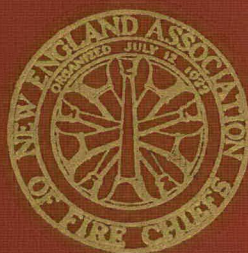


TWENTY-SECOND ANNUAL REPORT



1944

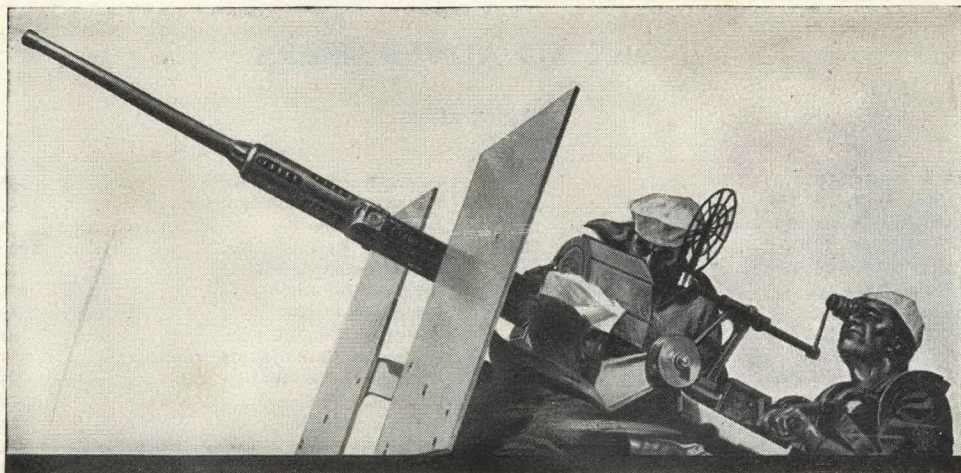
**WHEN
THE
WAR
IS
OVER
TRY
MAXIM**

Right now we are devoting all our effort to the production of war material for the Government.

After the war is won we will offer a lot of new equipment for your approval.

MAXIM MOTOR COMPANY
MIDDLEBORO, MASS.

Established 1888



THIS IS THE FAMOUS 20 M.M. OERLIKON A.A. CANNON

With which the United Nations rendered the Axis Dive-bomber obsolete — thus crushing one of Hitler's main hopes. Invented by Antoine Gazda in 1936 in anticipation of the coming Dive-bomber and contributed by him before the War, to Great Britain and the United States.



GAZDA ENGINEERING

Armament • Aviation • Development

1712 INDUSTRIAL TRUST BLDG., PROVIDENCE, RHODE ISLAND

INDEX TO ADVERTISERS

A		PAGE			PAGE
A & Z Chain	108		Boston-Worcester St. Railway	166	
Abington Mutual Fire	202		Boston Woven Hose Rubber	42	
Abington Textile Machinery	240		Boston Milling Co.	36	
Adams Dye House	230		Botwinik Bros.	258	
Airdale Worsted Mills	107		Boulia-Gorrell Lumber Co.	150	
Akron Brass Mfg. Co.	276		Braxmor Co., Inc.	276	
Albert Mfg. Co.	226		Bridgeport Casting Co.	80	
Allen Squire Co.	142		Bridgeport Gas Co.	84	
American Abrasive Co.	260		Bridgeport Hardware Mfg. Corp.	238	
American Chain Cable Co.	81		Bridgeport Housing Co.	88	
American Coin & Lock Co.	106		Bridgeport Hydrant	84	
American District Telegraph	30		Bridgeport Machines, Inc.	82	
American Fire Equipment	198		Bridgeport People's Savings Bank	81	
American Insurance	32		Bridgeport Switch Co.	238	
American Oil Co.	260		Bridgeport Thermostat Co.	80	
American Waste Paper Co.	116		Brody, John F.	108	
Amesbury Specialty Co.	188		Brody, Inc. John	108	
Anaconda Wire-Cable Co.	110		Brookline Trust Co.	158	
Anderson Little Co.	218		Brooks Bros.	188	
Andrew Dutton Co.	36		Brooks-Skinner Co.	270	
Arch Steel	164		Brown, L. L. Paper Co.	134	
Arey, R. G.	56		Brown Laboratories	242	
Argus Engineering Co.	75		Bryant Hotel	172	
Ark-Les Switch Corp.	164		Buckley & Scott	26	
Arlington Dye Works	193		Burlin, Robert	168	
Arlington Five Cents Savings Bank	193		Burlington Drug Co.	62	
Athol Coal Co.	136		Buxbaum Co., S.	158	
Athol Savings Bank	136				
Atlantic Carton Co.	236				
Atlantic Rayon Corp.	150				
Atlantic Tubing-Rubber Co.	216				
Atwood-Morrill Co.	120				
B			C		
Babson's Reports	40		C-M	213	
Badger Rand Ice Co.	48		Cambridge Federal Savings	164	
Balf Co., Edward	72		Cambridge Gas Light Co.	152	
Barbour Welting Co.	182		Campbell Motor Parts Corp.	252	
Barbour Stockwell Co.	190		Caraldi & Sons, Inc.	102	
Bartlett Brainard Co.	78		Capitol City Machine	76	
Bowles Lunch	138		Carl-Art, Inc.	224	
Batchelder, Fred M. Co.	38		Carlson, Earnest F.	140	
Bay State National Bank	194		Carolina Freight Co.	218	
Beach-Sweet, Inc.	228		Castalloy Co.	192	
Bell Co.	107		Central Railway Signal	166	
Belmont Savings Bank	156		Chapen's Germicide	162	
Benmont Papers, Inc.	70		Chatfield Paper Co.	157	
Bennington Mills	70		Chemical Produce Corp.	220	
Berkander, Inc., George F.	222		Chen's Restaurant	213	
Berkshire Fire Spinning Association	110		China Inn	242	
Berkshire Life Insurance Co.	240		City Line Welding Co.	214	
Berkshire Mutual Fire	202		City Savings Bank	238	
Blackstone Valley Gas & Elec. Co.	214		Coated Textile Mills	224	
Blodgett Co., Inc.	62		Collins Trans. Co.	230	
Boit, Dalton, Church	32		Colony Construction	252	
Bojar Co.	210		Connecticut Lath Supply	234	
Borden Mfg. Co., Richard	266		Construction Service Corp.	204	
Boston Automatic Fire Alarm	31		Converse Rubber Co.	196	
Boston Insurance	20		Carpenter Mfg. Co.	16	
Boston Tool Die Co.	242		Caswell, Harry J.	56	
			Champlain Valley Fruit Co.	62	
			Chapman Mfg. Co.	124	
			Chicopee Mfg. Co.	151	
			City Lumber Co.	88	
			Companella & Cardi Cons.	114	

3

Natick Federal Savings	186
National Collapsible Tube Co.	222
National Silver Co.	230
Narragansett Hotel	
Narragansett Racing Assoc.	208
National Fire Group	138

INDEX TO ADVERTISERS—Continued

	PAGE		PAGE
National Fireworks, Inc.	24	Precision Tool & Mfg.	204
National Library Binding Co.	140	Providence Mutual Fire Ins.	100
National Mahaiwe Bank	184	Public Service Co., N. H.	53
New Departure	94	Providence Washington Ins.	208
New England Etching-Plating Co.	264		
New England Glass Whse.	106	Q	
New England Screw Co.	51	Quaker Rubber Corp.	155
N. H. Fire Insurance	52	Quincy Mutual Fire.	202
N. H. Mica Mining Co.	51		
New Hampshire Provision	48	R	
New Haven Pulp-Board Co.	207	Rabinowitz, J. S.	120
New London County Mutual Fire Ins. Co.	94	Rackliffe Bros. Co.	244
Newton Centre Savings Bank	250	Raybestos Co.	94
Newton Savings Bank	250	Rayhill-Greene Supply Co.	104
Niagara Fire Insurance Co.	38	Rappoli G., Inc.	162
Nichols, W. H.	246	Regan, Timothy	262
Niedner's Sons, Chas.	178	Reece Button Hole Machine.	38
Nilson Machine Co.	88	Reid & Son, Willis.	178
Norfolk Dedham Mutual Fire	198	Remington Arms Co.	238
North Ave. Savings Bank	192	Rhode Island Pearl Co.	104
Norwalk Company	236	Richard Mfg. Co.	66
New Departure	264	Ritchie & Sons Co., Inc.	158
		Ritz Foley Hotel.	44
O		Rivet Lathe Grinder, Inc.	178
Oakes Electrical Supply	232	Roberts, Steele & Dolan Co.	74
O'Brien Russell Co.	32	Rockwood Sprinkler Co.	206
O'Connell's Sons, Inc., Daniel	264	Rotary Machine Co.	184
Orange Natl. Bank	130	Rowley Constr. Co.	224
Orange Savings Bank	132	Rueckert Mfg. Co.	220
Orient Insurance Co.	78	Rumford Press.	52
Ouелlette, Henry & Sons.	186	Rutland County Nat. Bank.	58
O'Shea Co., Leo	190	Rutland Trust Co.	59
Owens & Co., Henry	124	Ricco Co.	283
Otis, Harvey E.	283	Richardson-Dana	292
P		S	
Packard Paint Varnish.	242	S-R Baking Co., Inc.	50
Packers Tar Soap	244	Saco-Moc Shoe Co.	45
Paige, John C. Co.	146	Safety Fund Nat. Bank.	128
Paige, Kimball Agency.	136	Sanderson Bros.	112
Paramount Hotel	274	Sandsea Co., Harry.	226
Paramount & Olympia Theatres.	176	Savage, Henry W., Co.	161
Parker House.	35	Scanlon Coal.	177
Patterson, Wylde, Windeler	198	Sears, Roebuck.	8
Patton-MacGuyer Co.	213	Sears, Roebuck, Burlington, Vt.	280
Pawtucket Standard Braid Co.	110	Sears, Roebuck Co., New Haven.	207
Peerless Pressed Metal.	242	Security Federal Savings Loan Assn.	172
Peerless Unit Ventilation.	86	Shaw Paper Box Co.	21
Penn. Oil Co.	34	Sheldon Transfer & Storage.	204
People's Savings Bank.	144	Sherman Screw Products.	118
Philbrich Inc., Chas. H.	102	Sibulkin Sho. Co.	150
Pieper & Wilder.	112	Silent Glow Oil Burner.	75
Pieroni's Sea Grill.	36	Silverman Bros.	213
Pioneer Parachute Co.	244	Simplex Wire Cable Co.	40
Pinkham, Lydia E. Co.	176	Sissan Drug Co.	76
Plymouth Rubber Co.	148	Slack Corp., John T.	66
Portland Cyde Co.	56	Smith, D. B.	98
Post Publishing Co.	234	South Adams Savings Banks.	130
Potter-Johnson Machine Co.	96	South Weymouth Savings Bank.	182
Porter Screw Co.	60	Smith & Wesson	254
Powers Co., J. J.	192	Southbridge Furnishing Co.	142

INDEX TO ADVERTISERS—Continued

	PAGE		PAGE
Southern Mass. Oil Co.....	230	United Mutual Fire Ins. Co.....	247
Spaulding, A. G.....	138	United Pattern-Model Co.....	86
Sponge Rubber Co.....	212	United Tool Die, Inc.....	74
Sprague Breed, Stevens & Nehall.....	180		
Springdale Finishing.....	148	V	
Springfield Fire-Marine Ins.....	138	Varick Co., John B.....	53
St. Pierre Chain Corp.....	240	Veeder Root Inc.....	76
Standard Machinery.....	92	Vermont Confectionery.....	66
Standard Nut and Bolt Co.....	220	Vermont Foundries Inc.....	68
Star Brass Mfg. Co.....	36	Vermont Fruit Grocery.....	64
Star Markets.....	164	Vermont Hardware Co.....	60
Star Restaurant.....	66	Vermont Mutual Fire Ins.....	68
Star Rest. & Grille.....	82	Vermont Structural Steel.....	64
State Lumber Co.....	260	Village of Springfield.....	68
Sports Welding Co.....	236	Vitrified Wheel Co.....	200
Starrett, L. S., Co.....	136		
State Mutual Fire Insurance Co.....	59	W	
Stern Co., Louis.....	112	W. A. B. I.....	46
Stetson Co.....	248	Walsh Holyoke Steam Boiler.....	204
Stevens Paper Mills.....	82	Walsh, M. J. Sons.....	144
Stevens Walden, Inc.....	258	Waltham Publishing.....	160
Striar Shoddy Mill Co.....	56	Waltham Watch Co.....	155
Suburban Home Laundry.....	246	Warrenton Woolen Co.....	236
Suffolk Downs.....	18	Warren, Geo. A.....	262
Sullivan Badge.....	256	Washington Machine Co.....	174
Sullivan, R. G., Co.....	50	Waterman, J. S. Co.....	40
Superior Coal Co.....	114	Watertown Co-op.....	160
Surette Storage Battery.....	179	Watertown Clothing Co.....	162
Swan, James, Co.....	270	Watertown Savings Bank.....	160
Swanson, Inc., G. Fred.....	112	Wells, W. A.....	216
Sweeney, M., Co.....	272	Westfield Savings Bank.....	280
Shabeck, John C. L.....	283	West Point Varnish Co.....	256
		Weston, D. M. Co.....	222
T		Wetmore Savage Div.....	132
T-R Jewelry Co.....	106	White Fuel Co.....	112
Taft Oil Co.....	144	White, Hayes.....	46
Temple Bros.....	58	Whitten Co.....	194
Thew Shovel Co.....	268	Whitridge Portable Bldg.....	184
Thor Roofing Co.....	252	Whytock, William Co.....	268
Threadwell Tap-Die Co.....	200	Williams, C. S., Lacquer Co.....	210
Tire Engineering.....	232	Winchester Savings Bank.....	156
Touraine Hotel.....	251	Winslow Chip Co.....	176
Towne, R. V.....	190	Weston, D. M. Co.....	91
Travelers Fire Ins. Co.....	34	Whitaker, Fielding Co.....	126
Trifari Krussman & Fishel, Inc.....	126	Williamstown National Bank.....	134
Truck Leasing Corp.....	46	Williamstown Savings Bank.....	130
Tubular Rivet-Stud Co.....	256	Winslow Chip Co.....	116
		Woodhull, John R.....	234
U		Worcester Mutual Fire Ins.....	142
Ucinite Co.....	250	Woronoco Savings Bank.....	260
Uncus Mfg. Co.....	97	Worthington Pump Machinery.....	128
Union Leader Pub. Co.....	151	Wright & Morrissey.....	60
Union Market Nat. Bank.....	27	Wursthaus Res.....	186
Union Mutual Fire Insurance.....	280		
U. S. Ring Traveler Co.....	122	Y	
		Young Bros. Mattress.....	218

THERE'S PRECIOUS RUBBER IN THAT FIRE HOSE OF YOURS...*CONSERVE IT* BY FOLLOWING THESE RULES

● Do not allow hose to remain in wagons or on reels if wet or muddy. Remove all mud by washing or brushing. To dry, expose hose to air in towers or on racks—preferably at full length. When outdoor racks are used, hose should be properly protected from sun and rain.

● EUREKA FIRE HOSE is antiseptically treated and will not mildew or rot if given ordinary fire-department care; but continued dampness is injurious to cotton fabric. Mud often contains metallic or other substances that are chemically injurious to hose, if permitted to remain on it.

● Do not permit hose to remain on apparatus for any great period of time when not used. It should be removed, hung up in towers or on racks and replaced with a fresh supply. Avoid short bends in hose that is stored away. When necessary to store hose in folds change the folds occasionally to prevent permanent set of hose.

● When new hose is received do not allow it to remain packed in cases until it may be required, but remove from cases and loosen coils. TRY OUT COUPLING THREADS AS SOON AS HOSE IS RECEIVED.

● All rubber-lined hose should have water passed through it at frequent intervals to moisten the rubber, and then should be thoroughly drained and dried before being returned to service. When hose must be kept in hot and dry places, it is best to pass water through it monthly.

● Acids and many other chemicals, oils, iron rust, and fumes arising from many processes are injurious to hose and contact with them is to be avoided.

● Be careful that the gasoline tank on your apparatus is perfectly tight against drip and vapor. A small deposit of gasoline leakage will separate the rubber from the fabric of fire hose and produce subsequent rupture when hose is placed in service.

● When fire hose is being used, see that section nearest engine or hydrant is not being chafed by vibration at point of contact with the ground. Afford hose the proper protection at this location.

● Under no conditions should vehicles be permitted to cross fire hose lines unless hose is properly protected by the use of bridges available for this purpose.

FOR GREATER PROTECTION TO LIVES AND PROPERTY SPECIFY EUREKA

EUREKA FIRE HOSE

DIVISION OF UNITED STATES RUBBER COMPANY

ROCKEFELLER CENTER



1230 SIXTH AVENUE

NEW YORK, N. Y.

Shop and Save BY MAIL....
or at any of **Sears**

59 RETAIL STORES
59 CATALOG ORDER DESKS
33 CATALOG ORDER OFFICES

Conveniently located throughout New England to bring you Sears Money-Saving Values. . . There is one near your home.



Make it a habit to shop and save at Sears by Mail or at your nearest Sears Retail Store, Sears Catalog Order Desk, or Sears Catalog Order Office. This Sears combination is the answer to your shopping problems bringing you over 100,000 items for your home and family at Sears savings.

Purchases of \$10 or more may be had on Sears Easy Payment Plan.

Sears

SEARS, ROEBUCK and CO.

BOSTON

Tel. KEN. 7350

MASS.

List of Illustrations

	Page
CHIEF ALLEN F. PAYSON, President, Camden, Maine.....	17
EX-CHIEF JOHN W. O'HEARN, Secretary-Treasurer, Water- town, Mass.....	27
CHIEF SAMUEL J. POPE, Past President, Boston, Mass.....	35
CHIEF OLIVER T. SANBORN, Board of Directors, Portland, Maine	45
CHIEF CHARLES H. FRENCH, Board of Directors, Man- chester, N. H.....	53
"THE BALSAMS" 1944.....	57
CHIEF ALFRED H. KOLTONSKI, Board of Directors, Rut- land, Vt.....	59
EX-CHIEF JOHN F. DOYLE, Our First President, July 12, 1922	75
CHIEF M. J. HAYDEN, Bridgeport, Connecticut.....	81
CHIEF THOMAS H. COTTER, Past President, Providence, R. I.....	97
CHIEF A. J. COTE, Board of Directors, Woonsocket, R. I.....	107
CHIEF MICHAEL J. SHEA, Sergeant-at-Arms, Fitchburg, Mass.	123
CHIEF ARTHUR W. SPRING, Second Vice President, La- conia, New Hampshire.....	151
CHIEF STUART M. POTTER, Board of Directors, Greenwich, Connecticut	157
CHIEF SELDON R. ALLEN, Past President, Brookline, Mass., Director International Association.....	161
CHIEF JOSEPH E. SCANLON, Board of Directors, Lynn, Mass.	177
CHIEF WILLIAM C. MAHONEY, Past President, Peabody, Mass.	179
CHIEF FRANK J. CALLAHAN, First Vice President, Central Falls, Rhode Island	21
CHIEF DANIEL B. TIERNEY, Arlington, Mass.....	193
CHIEF M. W. LAWTON, Past President, Middletown, Conn.....	207

Index to Proceedings

	Page
PLACES AND DATES OF PAST CONVENTIONS.....	12
BOARD OF OFFICERS.....	13
22nd ANNUAL REPORT.....	15
Called by President Michael W. Lawton	
MEMORIAL EXERCISES.....	25
RESOLUTIONS 1944 ANNUAL CONFERENCE.....	29
THE SUCCESSFUL USE OF DIAL TELEPHONE SYSTEM	39
TREASURER'S REPORT.....	49
TESTIMONIAL BANQUET IN HONOR OF VINCENT C. STANLEY.....	67
PAPER ON NEW HAVEN FUR STORAGE FIRE.....	79
DETECTION OF SABOTAGE AND ARSON IN THE LABORATORY	89
THE USE OF OCD FIRE FIGHTING EQUIPMENT.....	109
SELLING FIRE DEPARTMENT AFTER THE WAR.....	115
PLANNING FOR FIRE FUTURE.....	127
POST WAR PLANNING.....	135
FIRE ALARM SYSTEMS.....	139
ARSON AND ITS INVESTIGATION.....	163
WATER FRONT PROTECTION.....	191

NEW ENGLAND ASSOCIATION OF FIRE CHIEFS

Twenty-Second Annual Report
OF THE
New England Association
of
Fire Chiefs



THE BALSAMS, DIXVILLE NOTCH, N. H.
JUNE 27, 28, 29, 1944

PLACES AND DATES OF PAST CONVENTIONS



- No. 1 BRIDGEPORT, Conn., June 20-21-22, 1923
PRES. CHIEF JOHN P. DOYLE, Wellesley, Mass.
- No. 2 BOSTON, Mass., June 24-25-26, 1924
PRES. JOHN C. MORAN, Hartford, Conn.
- No. 3 PITTSFIELD, Mass., June 23-24-25, 1925
PRES. PATRICK J. HURLEY, Holyoke, Mass.
- No. 4 MANCHESTER, N. H., June 22-23-24, 1926
PRES. DANIEL E. JOHNSON, Bridgeport, Conn.
- No. 5 PORTLAND, Maine, June 21-22-23, 1927
PRES. CHARLES H. FRENCH, Manchester, N. H.
- No. 6 BURLINGTON, Vermont, June 26-27-28-29, 1928
PRES. WILLIAM C. SHEPARD, Pittsfield, Mass.
- No. 7 NEW HAVEN, Conn., June 25-26-27, 1929
PRES. OLIVER T. SANBORN, Portland, Maine
- No. 8 RUTLAND, Vermont, June 24-25-26-27, 1930
PRES. LAWRENCE E. REIF, New Haven, Conn.
- No. 9 BOSTON, Mass., June 23-24-25-26, 1931
PRES. SELDEN R. ALLEN, Brookline, Mass.
- No. 10 NEWPORT, R. I., June 21-22-23-24, 1932
PRES. JOSEPH LAWTON, Newport, R. I.
- No. 11 LEWISTON, Maine, June 20-21-22, 1933
PRES. ALFRED H. KOLTONSKI, Rutland, Vt.
- No. 12 BURLINGTON, Vermont, June 26-27-28-29, 1934
PRES. DANIEL B. TIERNEY, Arlington, Mass.
- No. 13 NEW BEDFORD, Mass., June 25-26-27, 1935
PRES. JOHN S. PACHL, New Haven, Conn.
- No. 14 HARTFORD, Conn., June 23-24-25, 1936
PRES. DAVID H. DECOURCY, Winchester, Mass.
- No. 15 THE BALSAMS, Dixville Notch, N. H., June 22-23-24, 1937
PRES. CARL D. STOCKWELL, Burlington, Vt.
- No. 16 BURLINGTON, Vt., June 21-22-23, 1938
PRES. JOSEPH W. RANDLETTE, Richmond, Me.
- No. 17 PROVIDENCE, R. I., June 20-21-22, 1939
PRES. THOMAS F. BURNS, Bridgeport, Conn.
- No. 18 THE BALSAMS, Dixville Notch, N. H., June 25-26-27, 1940
PRES. SAMUEL J. POPE, Boston, Mass.
- No. 19 BOSTON, Mass., Aug. 18-23, 1941
PRES. THOMAS H. COTTER, Providence, R. I.
- No. 20 Cancelled because of the War
PRES. WILLIAM C. MAHONEY, Peabody, Mass
- No. 21 RUTLAND, Vt., War Conference, June 22, 23, 24, 1943
PRES. WILLIAM C. MAHONEY, Peabody, Mass.
- No. 22 THE BALSAMS, Dixville Notch, N. H., June 27, 28-29, 1944
PRES. M. W. LAWTON, Middletown, Conn.

NEW ENGLAND ASSOCIATION OF FIRE CHIEFS



BOARD OF OFFICERS FOR 1944-1945

PRESIDENT

CHIEF ALLEN F. PAYSON, CAMDEN, MAINE

FIRST VICE-PRESIDENT

CHIEF FRANK J. CALLAHAN, CENTRAL FALLS, RHODE ISLAND

SECOND VICE-PRESIDENT

CHIEF ARTHUR W. SPRING, LACONIA, N. H.

SECRETARY-TREASURER

JOHN W. O'HEARN, WATERTOWN, MASS.
22 Mt. Auburn Street

BOARD OF DIRECTORS AND STATE VICE-PRESIDENTS

CHIEF OLIVER T. SANBORN, PORTLAND, MAINE

CHIEF CHARLES H. FRENCH, MANCHESTER, N. H.

CHIEF ALFRED H. KOLTONSKI, RUTLAND, VT.

CHIEF JOSEPH E. SCANLON, LYNN, MASS.

CHIEF A. J. COTE, WOONSOCKET, R. I.

CHIEF STUART M. POTTER, GREENWICH, CONN.

SERGEANT-AT-ARMS

CHIEF MICHAEL J. SHEA, FITCHBURG, MASS.

NEW ENGLAND DIRECTOR TO INTERNATIONAL ASSOCIATION

CHIEF SELDEN R. ALLEN, BROOKLINE, MASS.

PRESS REPRESENTATIVES

HARRY BELKNAP, BROOKLINE, MASS.

VINCENT C. STANLEY, WEST NEWTON, MASS.

ANDREW P. PALMER, "*Woonsocket Call*," WOONSOCKET, R. I.

OFFICIAL PHOTOGRAPHER

CHARLES W. MADDEN, BROOKLINE, MASS.

CHAPLAINS

REV. MICHAEL F. COLLINS, MARBLEHEAD, MASS.

H. CHESTER HOYT, S.T.D., MINISTER, FAIRVIEW, HOLYOKE, MASS.

JOIN US AT

HOWARD JOHNSON'S

Ice Cream Shops and Restaurants

ICE CREAM IN 28 FLAVORS

CANDIES AND PASTRIES

DELICIOUS MEALS

Luncheons and Dinners

50c, 75c and \$1.00



MASSACHUSETTS

ANDOVER
BOSTON
BOURNE
BROOKLINE
CAMBRIDGE
CANTON
COHASSET
CONCORD
DARTMOUTH
DEDHAM
DORCHESTER
EAST BOSTON
FALL RIVER
FALMOUTH
FRAMINGHAM
GRAFTON
HARWICHPORT
HYANNIS
LYNN
LYNNFIELD

MIDDLEBORO
MONTELLO
MARSHFIELD
MEDFORD
MELROSE
METHUEN
NANTASKET
NORFOLK DOWNS
NORTH ATTLEBORO
NO. DARTMOUTH
NORTH SEEKONK
NORTH WEYMOUTH
ONSET
ORLEANS
OXFORD
PEMBROKE
PITTSFIELD
PLYMOUTH
POCASSET

QUINCY
RANDOLPH
REVERE BEACH
SCITUATE
SEEKONK
SALEM
SHREWSBURY
SOUTH WEYMOUTH
SOUTH EASTON
SPRINGFIELD
WAKEFIELD
WALTHAM
WALPOLE
WEST BOYLSTON
WEST ROXBURY
WESTWOOD
WHITMAN
WOLLASTON
WOLLASTON (Boulevard)

RHODE ISLAND

HOXIE
CRANSTON
PORTSMOUTH
PROVIDENCE

CONNECTICUT

BRANFORD
DARIEN
FAIRFIELD
MILFORD
WETHERSFIELD
WALLINGFORD
W. HARTFORD

NEW HAMPSHIRE

NASHUA
SEABROOK
NO. CONWAY
LACONIA

MAINE

PORTLAND

SOUTH PORTLAND

NAPLES

WELLS

ON IMPORTANT HIGHWAYS FROM MAINE TO FLORIDA

22nd ANNUAL REPORT

NEW ENGLAND ASSOCIATION OF FIRE CHIEFS

The 22nd Annual Conference of the New England Association of Fire Chiefs was held at The Balsams, Dixville Notch, N. H., June 27, 28 and 29, 1944.

The first session of the conference was called to order by President Michael W. Lawton, in the theater of the hotel at 10:45 A.M., Eastern War Time, on Tuesday, June 27th.

PRESIDENT LAWTON: I now declare the 22nd Annual Conference of the New England Association of Fire Chiefs in session and will call on the Rev. Michael F. Collins, Chaplain of this Association, to give the Invocation.

INVOCATION

O God, our Heavenly Father, today in prayerful spirit we ask Your divine blessing upon the members of the New England Association of Fire Chiefs gathered here in annual conference. Thou knowest, O Lord, far better than we, the problems that face our men today. Thou knowest also that these men are always willing and eager to serve Thee, their country and their community. And so we ask Your blessing upon them and their problems. In a general way we ask You to bless their organization, to guide them in their selection of officers and other personnel. Enable them to lay aside prejudice or petty politics and choose those to run their organization who will do it for the best interests of the Association.

In an individual way we ask You to enlighten their minds, illumine their intellects that they may go from this conference with a greater knowledge of the problems involved; that they may derive a great deal of benefit from the talks and the lectures, so that individually they may return to their respective communities better informed and better able to serve those whom they represent.

We ask all this in Thy name, thanking Thee for Thy past favors, O Lord. Amen.

PRESIDENT LAWTON: I think the Lord was a little bit on our side this morning because we had about all the rain last week, and He is going to give us sunshine for the rest of the week.

I will now read the President's report for the past year.

PRESIDENT'S REPORT

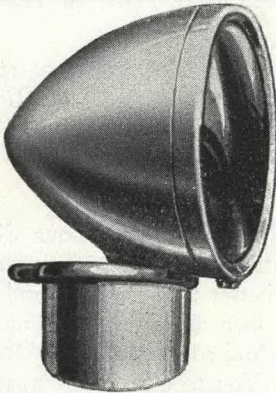
Another year has passed and once again we gather in Annual Conference. It is a great pleasure to greet you here in such beautiful surroundings, and we are looking forward to a very successful conference.

Since our last conference held in Rutland, Vermont, in June, 1943, we have passed through some very trying times. Fire departments are running short handed due to the demand of the armed forces who are fighting in foreign lands that our beloved country may be preserved. Some of our members have lost loved ones and relatives near and dear to them. To these we extend our heartfelt sympathy.

Will **MASTER LIGHTS** Protect You Tonight?

The fire you may have to fight tonight will probably be covered by insurance. How about you? Will you have insurance — MASTER-LIGHT insurance — the kind that **prevents** accidents to you?

MORE SAFETY GOING TO THE FIRE

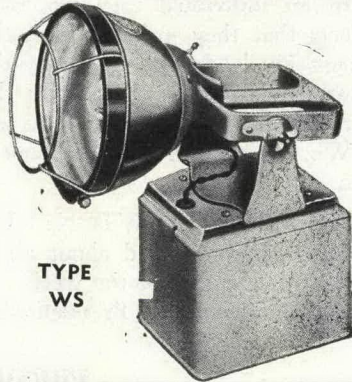


WIG-WAG REDHEAD

At the left is the New 05 MASTER LIGHT Wig-Wag Redhead. When you're speeding to that fire tonight, your safety **demands** that you have this powerful warning signal on your car. For 500 feet ahead of you, the Wig-Wag sweeps a red beam back and forth across the street. Every driver in your vicinity knows you're coming — for the distinctive red beam shows where you are! You'll get to night fires quicker, more safely, **more quietly**, when your Wig-Wag Redhead clears your way!

MORE SAFETY AT THE FIRE

You must have a portable searchlight you can trust — a light that smoke or steam won't baffle — a light that lets you SEE! MASTER-LIGHT WS, pictured here, gives you the high-powered, penetrating, convenient light you need for safety. Your WS shoots an intense beam of 250,000 candle power, with a range of one mile. Perfect balance — you point it in any direction with just a flick of your wrist. Best of all, your WS weighs only 12 pounds complete — you can carry it anywhere **easily** and **swiftly**! Your WS helps you find the fire while it is still small and easily controlled.



**TYPE
WS**

WRITE NOW FOR FREE FOLDER

THE POWERFUL LIGHTS YOU NEED FOR SAFETY—CHIEF, THAT'S WHAT WE MEAN BY "MASTER-LIGHT INSURANCE!" MASTER-LIGHTS WILL GIVE YOU EXTRA PROTECTION FOR MANY YEARS TO COME. LET US TELL YOU MORE ABOUT THEM. WRITE NOW FOR OUR ILLUSTRATED MASTER-LIGHT FOLDER FOR FIRE CHIEFS.

Any MASTER-LIGHT will be sent you for 30 days free trial

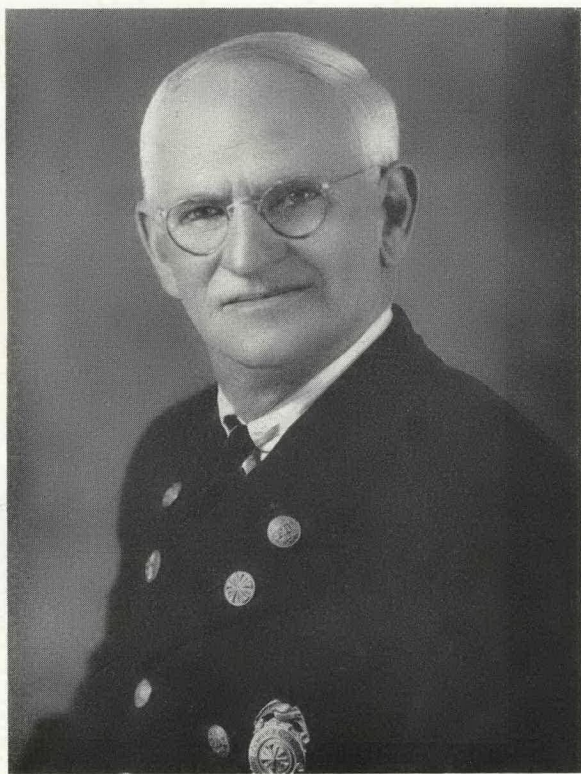
CARPENTER MFG. CO. 179 Sidney St., Cambridge, Mass.

KEYES FIBRE COMPANY

Molded Pulp Products

WATERVILLE

MAINE



CHIEF ALLEN F. PAYSON, President, Camden, Maine

COMPLIMENTS OF

WORUMBA MANUFACTURING CO.

**LISBON FALLS
MAINE**

Compliments of

**Eastern Racing
Association Inc.**

Operators of

SUFFOLK DOWNS



GORDON B. HANLON
President

JOHN L. ARNOLD
Treasurer

NEW ENGLAND ASSOCIATION OF FIRE CHIEFS

We will be called upon to plan for the future, which no doubt will bring many changes into the fire departments, post-war planning will have to be considered seriously for the fire service as well as in all other branches of business, so that when our conference is finished we will be able to tell the people that the fire service will be prepared to give them proper protection for their life and property.

You will remember the disastrous fire that occurred in Boston in the month of November 1942. As a result of this fire a legislative committee was appointed by our Association to assist the Massachusetts Fire Chiefs Club and meet with other groups interested in better laws for the protection of life and property. This was the first time in our history that such action has been taken. Our group had meetings with committees of the Massachusetts Committee on Public Safety, resulting in the enactment of better fire laws. Records of these meetings are printed with the secretary's report.

Our Association has continued to assist very generously in a financial way our members and others in need. Various organizations have received contributions from us, such as the Red Cross, and the War Effort in the continued purchase of War Bonds.

In December 1943, a testimonial dinner was tendered Mr. Vincent C. Stanley at the Bradford Hotel in Boston, in appreciation of his outstanding support and assistance to our Association. A large number attended, some coming a long distance to pay honor to Mr. Stanley. It was a wonderful testimonial to a wonderful man.

The officers and Board of Directors have held meetings at various times during the past year to properly conduct the business of our Association. The secretary will render a report to you of the meetings held since our last conference.

With the assistance of our good secretary and the Board of Directors I have endeavored to administer the affairs of our Association in a proper manner. How well I have succeeded I will leave you to judge. Thank you.

We will now have the address of welcome by Mr. Arthur Bergeron, representing Governor Robert Blood of New Hampshire.

MR. BERGERON: Mr. President, Members of the New England Association of Fire Chiefs and Fellow Members of the Committee, and Friends:

It is indeed a great honor for me to be here in lieu of Governor Robert O. Blood of our state to welcome you to this state. He regrets very much that he is unable to be here in person. He is at the National Republican Convention in Chicago with the New Hampshire delegation. If he were not there he would be here in person to address you. In the name of the State of New Hampshire I welcome you, and I am confident that you will find New Hampshire, as a part of the north country, and I will add northern New Hampshire, a good place to come and work and enjoy yourselves.

I would like to say one word of commendation on the good work you and your departments are doing all over New England during this war when you are operating short handed and every square foot of factory space counts, and every pound of material that you save from destruction or damage by fire is just so much more added to the production log in this war.

We want you to feel very welcome to New Hampshire and to northern New Hampshire, and hope you will enjoy yourselves and come again.

PRESIDENT LAWTON: Our next speaker is Mr. Gaston A. Cournoyer, City Clerk, representing Mayor Carl E. Morin of Berlin, New Hampshire.

NEW ENGLAND ASSOCIATION OF FIRE CHIEFS

FIRE - AUTOMOBILE - MARINE - TOURIST FLOATER

MOTOR CARGO - PARCEL POST

SPRINKLER LEAKAGE

USE AND OCCUPANCY

RENTS - TORNADO - RAIN - EXPLOSION

RIOT AND CIVIL COMMOTION



BOSTON INSURANCE CO.

OLD COLONY INSURANCE CO.

87 KILBY STREET

BOSTON, MASS.

USE . . .

DENNISON

Very Best Crepe Paper

FOR DECORATIONS AT

**Conventions, Banquets
Parties**

COMPLIMENTS

CHAS. K. SHAW



CHIEF FRANK J. CALLAHAN, First Vice President
Central Falls, Rhode Island

CULL SILK MILLS, Inc.

103-109 WEBSTER STREET

PAWTUCKET

RHODE ISLAND

Telephone Perry 5886

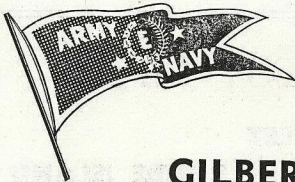
Our best wishes and congratulations
to the New England Association of Fire
Chiefs for twenty-two years of public service



FABRIC FIRE HOSE COMPANY

Sandy Hook, Connecticut

GILBARCO



In peacetime maker of Gilbarco
Service Station Equipment and Oil
Burners . . . Since 1939 manufac-
turer of Ordnance Equipment for
the U. S. Army and Navy.

GILBERT AND BARKER MFG. CO.
WEST SPRINGFIELD, MASSACHUSETTS

MR. COURNOYER: Mr. President and Members of the Association and wives: I like to be a "call man" particularly in response to the call of our Mayor to represent him and come here and greet you. This is my third service and I have always been on hand to heed the call. Our Mayor is busy with municipal affairs, and Tuesday night being the night for Council meeting, he is preparing his budget and begs to be excused. I join with the representative of the Governor in extending a welcome from Berlin, the host city during your conference. Preparations have been made by your committee for a nice time and I hope you enjoy yourselves.

PRESIDENT LAWTON: You forgot to leave the key of the city of Berlin. Our next speaker is Chief Anthony J. Molloy, Nashua, President of the New Hampshire Fire Chiefs Association.

CHIEF MOLLOY: Mr. President, Reverend Fathers, Members of the New England Association of Fire Chiefs, and Guests: It is not only an honor but also a pleasure for me to welcome you to one of the beauty spots of America for your conference. Your hosts, the New Hampshire Fire Chiefs, have been honored for the fourth time in having your conference in this state, and we hope you will enjoy yourselves.

Today, in these war times, it would be well for us to set aside all worry and enjoy one of God's gifts of nature in the beautiful mountains of New Hampshire. When you leave here we want it to be uppermost in your minds that you have enjoyed your stay and that you will return again soon. Again I say, Welcome. I thank you.

PRESIDENT LAWTON: We now have the response to these addresses of welcome, and it is my pleasure to present to you Chief Samuel J. Pope of Boston, and 1st Vice President of the International Association of Fire Chiefs.

CHIEF POPE: Mr. President, Reverend Fathers, Mr. Bergeron, representing the Governor; Mr. Cournoyer, representing Mayor Morin, and Fellow Members of the New Hampshire Association, represented by Chief Molloy: At the outset may I extend to you all our sincere and abiding appreciation of your presence here today and our gratitude for the encouragement and inspiration which your presence and timely words have imparted to all. We clearly visualize the heavy responsibilities and manifold problems that you face amid the desolation of war and the trying conditions that call ceaselessly for every ounce of energy and initiative that those situated in high public positions can muster. In these circumstances, therefore, to be honored by your presence is as thoroughly unselfish as it is truly American.

We have convened here to amalgamate more closely our forces with our present national program of far-reaching significance and potentialities. In order that we may make our generous contribution for the preservation of American and global freedom, we dedicate our efforts to the achievement of high governmental purposes. We would augment at whatever cost or sacrifice the legions of valor and heroism at home and abroad to effect a speedy conclusion to the disastrous activities that now engulf the nations of the earth; to bring victory with an honorable, just and enduring peace to our beloved America; to enshrine inviolably forever in the hearts of men the glorious ideals and deathless principles that watched at the cradle of an infant republic, and witnessed its growth through many a vicissitude into vigor, prosperity and renown in the family of nations. So intertwined are the fundamental American freedoms with the tradition and history of this fair land that America has become synonymous with Liberty.

NATIONAL FIREWORKS
INCORPORATED



WEST HANOVER
MASS.



Tel. Rockland 1700



Compliments of

Cummings Machine Works

BOSTON, MASS.

Established 1881



Long decades have passed since the founding fathers of this republic incorporated into that most immortal of all human documents of government, our Constitution, and our Bill of Rights, the imperishable guarantees of American citizenship. These have aroused the hopes and brightened the horizon of struggling masses everywhere. This precious heritage is in our keeping. In peace time opportunity raps at the door of the great and the humble. In war, the nation calls her sons to strong defense, to stern and rugged resistance, to complete and reassuring victory. Truly, then, no fire burns more brightly in this troubled time to warm the hearts and encourage the hopes of men than that which was enkindled within the breasts of the stalwart patriots who bore the heats and burdens of the early days of this republic. This flame glows down through the years, making memorable every step in our onward progress, consolidating unity among our citizens and firing the souls of our absent sons, wherever they may be at this critical hour.

Devotion and bravery at the battlefield constitute an invitation and a challenge. Patriotically, reverently, we accept that invitation to do our honorable best in this mightiest conflict of the ages. Unhesitatingly we accept the challenge to matchless heroism and unprecedented generosity of purse and spirit, in order that we may in some notable measure lighten the heavy burdens of government and speed the day of inevitable victory, the dawn of freedom for the world. With God's help, our arms will soon triumph.

In historical perspective we see the progressive advancement and noble work performed by our Fire Departments. This has won the lasting appreciation of the American public. New fields now open. We must be alert to explore them, and turn them to national advantage and prestige. Science and invention have come to our assistance, bringing efficiency to the highest peak of perfection, with consequent saving of inestimable national wealth, and conservation of innumerable lives. That we will keep constantly abreast of the finest and best that human ingenuity may devise is beyond peradventure of doubt. Such gatherings as this attest our throbbing will for perfection in effective service to our respective communities. Vigilance, devotion and sacrifice must ever be emblazoned on our escutcheon.

Matters of supreme importance will be brought before this deliberative body for discussion and effective action. Of this I need say but a word. Practical and sound conclusions will follow. The masterly penetration and wide experience of those who will address this assembly are adequate guarantee that the fire fighting forces, ever watchful, will assume a most essential command, fulfill their added responsibilities with satisfaction and write another brilliant page into the annals of national service.

May God preserve and protect America. When victory is won and men return to peaceful pursuits, we will all look back with pride and gratification to the part that we played, both individually and collectively, in safeguarding the destinies of the fairest republic upon which the sun has ever shone. We shall have preserved our heritage. A new light will break for America, the hope and inspiration of the civilized world. I thank you.

PRESIDENT LAWTON: We will now proceed with our Memorial Service.

MEMORIAL EXERCISES

Selection by Kiwanis Club Quartette, accompanied by Miss Helen Cutler.

Reading of the Roll of Honor by the Secretary.

PETERSON, CARL G. R., Chief Trumbull Fire Dept., Conn.; joined Sept. 2, 1933; died Sept. 21, 1944.

OIL BURNERS

FUEL OIL

Buckley and Scott Utilities, Inc.

**60-70 ARSENAL STREET
WATERTOWN, MASS.**



*New England's Oldest and Largest Automatic
Oil Heating Organization*

HOOD RUBBER PRODUCTS

Better Rubber Products since 1896



WE WORK IN HOOD BOOTS

SHORT AND STORM KING



WATERTOWN, MASS. FIRE DEPARTMENT

The Union Market National Bank

Established 1873

CAPITAL AND SURPLUS, \$1,000,000

ASSETS OVER \$10,000,000

WE OFFER YOU COMPLETE BANKING FACILITIES

Two Conveniently Located Offices

WATERTOWN SQUARE AND 635 MT. AUBURN STREET

WATERTOWN, MASS.



EX-CHIEF JOHN W. O'HEARN, Secretary-Treasurer, Watertown, Mass.

COMPLIMENTS

JOHN T. LODGE & CO., Inc.

WOOL WASTE

GARNETT

478 PLEASANT STREET

WATERTOWN, MASS.

GRINNELL MULTITROL SYSTEM

FOUR WAY PROTECTION AGAINST FIRE

Grinnell MULTITROL Sprinkler Systems afford an answer to the demand of those who require sprinkler protection with the added advantage of speedy-action fire detection. Its features may be summarized as follows:

A Grinnell MULTITROL System detects fire quickly. Even a small blaze gives off sufficient heat, within a matter of seconds, to set the system in operation, and bring into play its fire protection devices.

Once fire is detected, the Grinnell MULTITROL System sounds an alarm warning of the danger. With the closed head system, this warning may occur in advance of

sprinkler action, especially if the fire is slow in starting.

The action of the Grinnell MULTITROL System does not stop with detection, warning and sprinkler protection. Mechanical devices that guard against fire may also be set in operation without the touch of a human hand, by this system.

In addition to rapid detection and fire protection, a Grinnell MULTITROL System keeps constant, unfailing vigil over itself. Should any part of the system be damaged or tampered with, a special "trouble alarm" lets go with an unmistakable cry for help. Descriptive literature is available for the asking.



Executive Offices
PROVIDENCE 1, R. I.

Boston Office
131 STATE STREET

EMERSON *Foremost Name in* RESUSCITATION

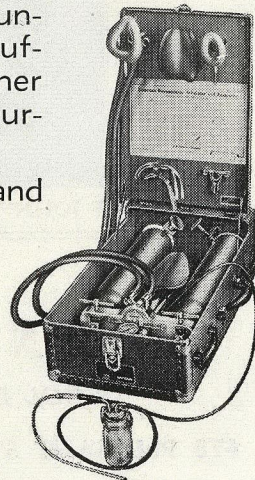
Now, more than ever, fire departments must protect their communities against unnecessary asphyxial death from smoke suffocation, drowning, electric shock, or other cause, as well as provide maximum insurance against wartime emergencies.

The Emerson Resuscitator, Inhalator and Aspirator can serve your community.

Represented in N. E. by Clarence E. Smith
211 Renfrew St., Arlington, Mass.

Write for literature and a free demonstration

J. H. EMERSON COMPANY
22 COTTAGE PARK AVENUE
Cambridge Massachusetts



REES, WARREN C., West Somerville, Mass.; joined Dec. 29, 1939; died Jun. 1942.
WILTSE, JAMES R., Chief Elm Forest Fire Co., #1, East Haven, Conn.; joined Apr. 15, 1931; died Aug. 20, 1943.

WIGGIN, LESLIE S., Chief, Franklin, Mass.; joined June 30, 1927; died Nov. 29, 1943.

SAYER, W. NORMAN, Newport, R. I.; joined May 16, 1936; died Dec. 6, 1943.

VONHOLTZ, EDWARD A., Ex-Chief, Southport, Conn.; joined March 8, 1929; died Dec. 12, 1943.

GARRITY, STEPHEN C., Ex-State Fire Marshal, Lowell, Mass.; joined Jan. 3, 1935; died Dec. 25, 1943.

SULLIVAN, M. P., Boston, Mass.; joined July 28, 1938; died Jan. 2, 1944.

STEWART, C. D., New York; joined May 23, 1923; died Jan. 24, 1944.

MULOCK, FRANKLIN C., Chief, Weston, Mass.; joined Apr. 23, 1929; died Feb. 20, 1944.

CAMPBELL, JOHN, Reading, Mass.; joined Mar. 20, 1929; died Mar. 8, 1944.

NICHOLLS, JOHN T., Ex-Chief, Malden, Mass.; joined May 20, 1926; died Mar. 8, 1944.

LEONARD, FRED A., Ex-Chief, Taunton, Mass.; joined July 12, 1922; died Mar. 12, 1944.

PATT, EVERETT I., Lieut., Central Falls, R. I.; joined Jun. 23, 1931; died Mar. 14, 1944.

HENDERSON, R. W., Chief, Thomaston, Conn.; joined Jun. 23, 1936; died Apr. 1, 1944.

JOHNSON, GEORGE L., Ex-Chief, Waltham, Mass.; joined July 12, 1922; died Apr. 12, 1944.

CRANDALL, LEROY H., Boston, Mass.; joined Jun. 24, 1931; died Apr. 29, 1944.

MOLOY, JAMES E., Former State Forest Warden, Woburn, Mass.; joined Apr. 1, 1930; died May 10, 1944.

FANCHER, RUFUS, R., Ex-Chief, New Haven, Conn.; joined Jun. 10, 1924; died May 31, 1944.

KINNEY, F. J., Chief, Orleans, Vermont; Jun. 23, 1927; died Jun. 6, 1944.

WARREN, GEORGE A., Brighton, Mass.; joined July 2, 1935; died Jun. 16, 1944.

HOUGH, WILLIS F., Chief, Lebanon, N. H.; joined Jun. 7, 1936; died Jun. 18, 1944.

DREW, MORRIS R., Ex-Chief, Valley Falls, R. I.; joined Jun. 20, 1923; died July 2, 1944.

TARR, FRANK H., Capt., Wenham, Mass.; joined Mar. 12, 1935; died Aug. 21, 1944.

SECRETARY O'HEARN: In connection with the reading of our Roll of Honor, I present the following resolutions prepared by Rev. Michael F. Collins, Chaplain of the Association, to be made part of the records.

RESOLUTIONS — 1944 ANNUAL CONFERENCE — THE BALSAMS DIXVILLE NOTCH, NEW HAMPSHIRE

WHEREAS: Our Divine Lord, who alone has the power over life and death, has in His Infinite Wisdom and Mercy seen fit to call from our midst during the past year members of the New England Association of Fire Chiefs, and—

WHEREAS: These members, to the best of their ability, consecrated their lives to the saving of the lives and property of others and to loyal and efficient service to their communities, and—

GENERAL ALARM CORPORATION

Rendering Central Station Signal Service for

**AUTOMATIC FIRE ALARM
WATCH AND SPRINKLER SUPERVISORY
BURGLARY AND HOLD-UP ALARMS**



PUBLIC SERVICE BUILDING

89 BROAD STREET

FREDERIC C. CHURCH
President

CHARLES C. HEWITT
Vice President

FREDERICK G. FARQUHAR
Treasurer

STANLEY H. KING
Ass't Treasurer

A.D.T.

FIRE PROTECTION SERVICES

Watchman Supervisory
and Manual Fire Alarm

Sprinkler Supervisory
and Waterflow Alarm

AERO Automatic Fire Alarm

Controlled Companies of

AMERICAN DISTRICT TELEGRAPH COMPANY

155 Sixth Avenue, New York

Central Station Offices in all principal cities

**A NATION-WIDE PROTECTION SERVICE
AGAINST FIRE, BURGLARY AND HOLDUP**

A.D.T.

BOSTON AUTOMATIC FIRE ALARM COMPANY

**61 BATTERYMARCH STREET
BOSTON, MASS.**



**AUTOMATIC FIRE ALARM
AND
Sprinkler Supervisory Services**



BOSTON • NEW YORK • PHILADELPHIA

Compliments of

John Donnelly & Sons

Donnelly Adv.

BOSTON

*Outdoor Advertising
Throughout New England*

BOIT, DALTON & CHURCH
INSURANCE



89 BROAD STREET, BOSTON, MASS.

Telephone, Hubbard 3100

AMERICAN INSURANCE COMPANY
NEWARK, NEW JERSEY

ORGANIZED 1846

New England Department — RALPH G. HINKLEY, Manager

61 BATTERYMARCH STREET

BOSTON, MASS.

BAYARD TUCKERMAN, Jr. ARTHUR J. ANDERSON ROBERT J. DUNKLE, Jr.
ROBERT-T. FORREST JULIUS F. HALLER

OBRION, RUSSELL & CO.
Insurance of Every Description

108 WATER STREET, BOSTON

Telephone LAFayette 5700

111 BROADWAY, NEW YORK

Telephone Barclay 7-5540

Hingham Mutual Fire Insurance Co.

HINGHAM, MASS.

Incorporated March 4, 1826



In Appreciation of Your Work in Fire Prevention and Salvage

WHEREAS: We who remain to carry on their noble work and to follow in their footsteps have had the honor of knowing them, associating with them and admiring them—

BE IT RESOLVED: That we, members of the New England Association of Fire Chiefs, have suffered a severe loss in their passing, as have the communities they served so well, and

BE IT RESOLVED: That we will always cherish their memory, their virtues will always serve as an example to us and their deeds we will always find inspiring.

Eternal rest grant unto them, O Lord, and may their souls rest in peace. Amen.

Sounding of Taps by Rene Gagnon.

Selection by Kiwanis Club Quartette.

PRESIDENT LAWTON: Our Memorial address will be given by Rev. Henry J. O'Connell, Chaplain of the Boston Fire Department.

MEMORIAL ADDRESS

By REV. HENRY J. O'CONNELL, *Chaplain of Boston Fire Department.*

You gentlemen of the New England Association of Fire Chiefs did me great honor in inviting me to discharge for you the solemn duty of this morning's Memorial address. It is a most praiseworthy tradition which prompts you thus solemnly once each year to pay tribute to your blessed dead. So, our first word this day must be a word of prayer for those who have joined the company of the faithful departed since last you gathered for this holy service. "Eternal rest grant unto them, O Lord, and may perpetual light shine upon them."

Yet, even as we speak this sad prayer, our hearts are lifted in buoyant hope by the conviction, taught us by reason and by faith alike, that death is not the last word in the story of individual personality. I dare say to you that the priest and the fireman face the problem of death more squarely than do any other groups of men, at least in normal times. The priest by meditation and the fireman by daily experience, reach by superficially different routes the same conclusion shared by all men, but few men realize it so vividly as do the priest and the fireman. That conclusion may be briefly stated and I am but the interpreter of your own most profound reflections when I enunciate it to you. Death is not an ending; it is a beginning. Death is not a reality as life is a reality. It is but a surface change beneath which the living person abides unchanged. The changes which death brings with it, the separation it requires, even the sadness which the most devout feel in its presence,—all these are much more close to the surface than they are to the reality. That is what the Sacred Writer meant who told us, in speaking of our faithful departed, "they have seemed to the eyes of the foolish to be dead—but they are at peace."

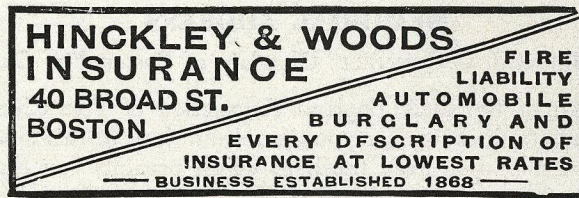
Note well these significant words of the Sacred Scripture, "they have seemed to the eyes of the foolish to be dead—but they are at peace." Even the foolish know in their heads and hope in their hearts that they still live whom we call "the dead". Even among the unwise, it is only their eyes that are deceived by the outward appearance of things, and, which make them conclude, falsely, that their loved ones are what we call, "dead." "They have seemed to the eyes of the foolish to be dead."

But the wise know better; our minds and our hearts bear constant witness that at death life is changed, not taken away. For those who love God, the destruction of the earthly tenement of their bodies marks for them the beginning of a life more



**THE TRAVELERS FIRE INSURANCE COMPANY
THE CHARTER OAK FIRE INSURANCE COMPANY**

HARTFORD, CONNECTICUT



C. A. MEISEL, Pres.

Cable Address: Lesem
Western Union Code

O. C. F. MEISEL, Treas.

Telephones, Columbia 8410-8411

MEISEL PRESS MANUFACTURING CO.

Printing Presses, Slitters, Rewinders

942-948 DORCHESTER AVENUE

BOSTON, MASS.

PENNSYLVANIA OIL CO.

POWERFUL PENN GASOLINE

DOMESTIC FUEL OILS

QUIET QUAKER OIL BURNERS

SOMERVILLE, MASS.

SOMerset 8510

NEW ENGLAND ASSOCIATION OF FIRE CHIEFS

Boston's Famous

PARKER HOUSE

greet the

NEW ENGLAND ASS'N OF FIRE CHIEFS

GLENWOOD J. SHERRARD

President and Managing Director



CHIEF SAMUEL J. POPE, Past President, Boston, Mass.
President, International Association of Fire Chiefs

Compliments of

GREYHOUND LINES

BOSTON

MASSACHUSETTS

STAR BRASS MANUFACTURING CO.

Manufacturers of

Steam Gauges, Safety and Relief Valves, Globe, Angle and Check Valves
Whistles, Whistle Valves, Sirens



108 EAST DEDHAM STREET

BOSTON, MASS.

HANcock 6739

L. B. BERRY, Mgr.

BOSTON MILLING CO.

BANK, OFFICE AND STORE FIXTURES
BOX OFFICE AND STAGE EQUIPMENT

488 HARRISON AVE.

BOSTON, MASS.

CAPitol 4100

ANDREW DUTTON COMPANY

Manufacturers and Distributors

UPHOLSTERY & DRAPERY FABRICS—WINDOW SHADES & AWNINGS
VENETIAN BLINDS—CHROME STEEL & SUMMER FURNITURE

SIXTY CANAL STREET

BOSTON, MASS.

COMPLIMENTS

PIERONI'S SEA GRILLS

Established 1895

601 WASHINGTON STREET

HANcock 8287

BOSTON, MASSACHUSETTS

7-8 PARK SQUARE

HANcock 1100

13-15 STUART STREET

HANcock 4215

glorious and more real in the eternal mansions of the Father. "For He is not a God of the dead but of the living for all live unto Him."

Men have always hoped that this doctrine which teaches that the dead still live might be true. Men have always proved by their reasoning that it is true. But it remained for one Man, Our Lord Jesus Christ, to strengthen that hope forever and to confirm the proofs of reason beyond denial when, standing at the tomb of Lazarus whom He loved He swore to the sisters of His friend: "Thy brother shall rise again." And lest any man doubt His right to promise the resurrection from the dead of Lazarus—and of our dead—He proved Himself the Master of Life and Death by His own glorious resurrection on Easter morn.

So it is not with sorrow but with hope, that we meet today in this service consecrated to the memory of our dead. It is not with a feeling of defeat, but with one of pride that we commemorate the loss of our brethren departed. How can we sorrow when we consider the proud record of deeds well done, of service and conquest and character that these, our dead, brought with them when they went forth to meet their God. Some of them died in actual fulfillment of their duty; humanity knows no death more worthy. All of them died after lives of service, service in one of the most trying and most heroic of vocations. Each of them died leaving to those who loved them a name covered with glory, and a story of accomplishments filled with grounds for pride.

Our blessed dead rest in many corners of New England. But in this solemn hour they are present to us—all of them—as a single company. A glorious Company of Chiefs who no longer serve their Departments by their individual leadership in the flesh and blood of their mortal bodies. But, who serve now with the collective inspiration of their beloved Memory—and with the active help of the prayers they constantly offer in the land of the living God for you who lead in the places they once held.

Chiefs of the New England Association! You need the prayers of your great dead, and by their supplications your dead still serve your Departments—never forget that. By their prayers your dead remain near to you and in the intimacy of that closeness they guide and inspire you still in their roles as Chiefs 'in absentia' of our fire service.

In this memorial service the perpetual presence in our midst of the blessed dead was dramatically recollected by a solemn roll call. In this ceremony the names of the faithful departed were one by one invoked by your secretary.

As a member of the Fire Service I now answer for you, their companions in arms, with a confident cry of—present—to that roll call. As believing men you join with me, a Chaplain in the Fire Service, begging Almighty God to grant His mercy to our dead and shower His blessing on those who take up the heavy burdens of leadership from which our blessed dead are now released. Amen.

Selection by the Kiwanis Club Quartette.

Benediction by Rev. Michael F. Collins, Chaplain.

O, God, today for a few moments we turn our thoughts and prayers from our soldiers at wars to our soldiers of peace, as we ask Thy blessing upon the departed members of our New England Association of Fire Chiefs. Many of them have died in active service, while others have grown old and passed away, perhaps before their time, through their active duties for their communities. Each year as we gather here the list of our honored dead grows longer and many familiar names have been added to our Roll of Honor. We ask Thee, O Lord, bless our dead today.



PROTECTIVE COATINGS FOR METAL SURFACES
in Stationary Marine and Railroad
Power and Mechanical Equipment

The Dampney Company of America

Hyde Park

Boston, Massachusetts

Niagara Fire Insurance Company

NEW YORK

RICE & WHITNEY
GEORGE W. HART, Manager



66 BATTERYMARCH STREET

BOSTON, MASS.

COMPLIMENTS OF

FRED M. BATCHELDER CO.

Makers of Quality Uniforms



Office and Factory

120 HARRISON AVENUE

BOSTON

FRANKLIN A. REECE
PRESIDENT

J. WARREN NICHOLS
TREAS.-SEC'Y.

THE
REECE

BUTTON HOLE MACHINE CO.

GENERAL OFFICES & FACTORY 502 HARRISON AVE.

Boston, Mass.

ESTABLISHED 1881

INCORPORATED 1881

We ask Thee to comfort those who are in sorrow and to dry their tears with the consolation that they are safe in Thy divine arms. Strengthen us who remain O, Lord, that inspired by their deeds and encouraged by their example, we may carry on with their memory ever in our hearts. Eternal rest grant unto them, O, Lord, and may they rest in peace. Amen.

PRESIDENT LAWTON: This concludes our Memorial Exercises.

We will adjourn this morning session, and meet again this afternoon at 2:30 o'clock.

Tuesday Afternoon Session

The Tuesday afternoon session was called to order at 2:45 in the theater of the Balsams, with President Lawton presiding.

PRESIDENT LAWTON: The Secretary will now read his report.

SECRETARY O'HEARN: According to our Order of Business we will dispense with the Roll Call, and the fourth item on the Order is the reading of the minutes of the last conference. I hold here the printed copy of the Red Book, containing all of those records, up to that time, and assure you that it is a true copy.

I move that this record be received and recorded as the business and proceedings of the last conference.

Motion seconded.

PRESIDENT LAWTON: Any remarks? If not those in favor will say aye; opposed, no. It is a vote.

SECRETARY O'HEARN: I have here a paper entitled, "The Successful Use of the Dial Telephone System in Notifying an All Call Fire Department of a Fire". This was prepared by William B. Ely, who is Auxiliary Fire Chief and Fire Alarm Department Superintendent, of Pittsfield, N. H. He intended to be here and present this paper, but at the last moment found he could not come. The paper is quite lengthy, and we are very late starting, and because of this I doubt if there would be very much discussion or comment on it. Unless someone wants to hear this paper read I move that it be received and be made a part of our annual report.

Motion seconded.

PRESIDENT LAWTON: Any remarks on that motion? If not all in favor will say aye; opposed, no. It is a vote.

THE SUCCESSFUL USE OF THE DIAL TELEPHONE SYSTEM IN NOTIFYING AN ALL CALL FIRE DEPARTMENT OF A FIRE

WILLIAM B. ELY

*Auxiliary Fire Chief and Fire Alarm Department Superintendent,
Pittsfield, N. H.*

Mr. President and Members of the New England Association of Fire Chiefs: This is a subject that is of interest to those chiefs having entirely call fire departments with no permanent man at the fire station. And it is of some interest to the

Simplex Wire & Cable

**79 SIDNEY ST.
CAMBRIDGE, MASS.**

MANUFACTURERS OF

Insulated Wires and Cables
for all types of fire alarm
systems



**LIGHT WEIGHT LONG LIFE
SMALL DIAMETER**

Moulton Ladder Manufacturing Co.



Manufacture a complete
line of Fire Ladders and
offer prompt service and
first class workmanship
in repairing old equip-
ment.

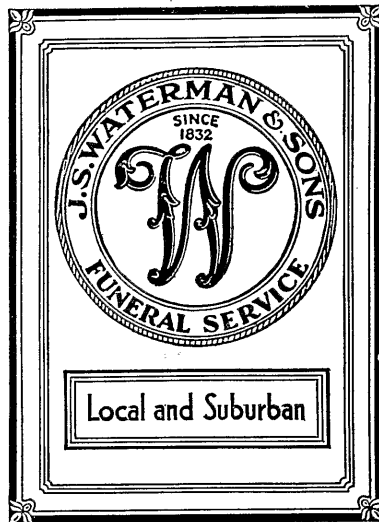
SOMERVILLE, MASS.



Babson's Reports



**Help to Decrease
Fire Losses
and
Protect Firemen**



chiefs of paid, or part paid departments, considering that they often have to reach these "call" departments by telephone.

The Dial Exchanges are gradually creeping into every state. And where they replace an exchange that had operators—an Operator Exchange—and you have had satisfactory arrangements to notify your department of a fire, you often find a serious problem with a Dial Exchange. You have a possibility that no notification of a fire is given. Or possibly a greatly delayed alarm.

First I would like to enumerate the advantages some of you have had with an Operator Exchange.

Usually the operators know everyone in town. They know the town areas, the roads, and how to reach one or another of the officials. In addition, you may have a fire alarm system. Possibly you have a fire alarm box, or a transmitter, in the telephone office. Then, when a telephoned fire call comes into the telephone office you immediately get an alarm on your public system. The same can apply to a siren; which can be started by the telephone operator. Or you may have a steam whistle at a factory, and the telephone operator notifies that factory to blow the whistle. Then you can contact the telephone exchange and find out where the fire is. Some fire departments list such a factory in the telephone directory as "Town of Blank-Fire Alarm." And the person having a fire telephones directly to that factory. Then the fire department contacts the factory and finds out where the fire is. You have there generally prompt fire alarms—the immediate sounding of an audible alarm to notify your fire department of a fire. I would suggest that any fire department, without a man on duty, always list itself as "Fire Alarm" and not as Fire Department. For unless the listing, "Fire Department," is where the fire alarm is immediately received, a call made to a telephone listed as "Fire Department," at an empty fire station, means delay. And probably a lost call. Getting in the alarm promptly to the public alarm system is the first necessity.

In the Dial System you have two types of Dial offices. You may have a Dial System for your town. At the same office you may have a "Long Distance," or "Toll Exchange" as well. With operators on duty. Possibly, in such a type of exchange you can have a "Fire Alarm" line run to the toll operators positions. And they may be permitted to take and transmit fire calls; the same as though it was an all "Operators Exchange". I say "possibly", gentlemen. It would depend upon what voluntary cooperation the telephone company gave. Or upon what you as an organization persuaded them to give. For I believe you, as the New England Association of Fire Chiefs, should demand full cooperation. Fires are important matters. Telephone companies are public servants. And they should cooperate with you in conformity with your ideas—your needs—to give what you consider the fullest fire protection, so long as what you desire has no damaging effect upon their equipment. And please remember this: the telephone company does not, and rightfully, assume any responsibility for incorrect transmission of fire calls. In fact, in the telephone exchange in my town there is a notice of agreement, signed by our Board of Selectmen, to cover such calls, which are transmitted to our fire alarm system through a fire alarm box in the exchange.

Now let us consider a town that has nothing but the Dial Exchange. No operators. You have no man at your fire station. You have no definite, positive place to list as receiving fire calls twenty-four hours in the day. You may have a factory, running most of the week, and shut down possibly nights and Sundays. That factory keeps a watchman at such times. You may have your Fire Alarm

DORCHESTER MUTUAL FIRE INSURANCE COMPANY

FREDERICK W. HILL, President

4 LIBERTY SQUARE

Incorporated 1855

BOSTON, MASS.

Only survivor of 31 Boston Insurance Companies
involved in the conflagration of 1872

AT THE AIR CONDITIONED

Hi-Hat

America's Smartest Barbecue

Famous ALABAMA Full Course
BARBECUED CHICKEN DINNER

Served At Any Time

One Block from Symphony Station
COLUMBUS AT MASS. AVE., KEN. 0550

Telephone HYDe Park 2543

ARTHUR A. LAMB

THE RIGGER

BUILDING AND MACHINERY MOVER

Stacks • Boilers • Tanks
Engines • Pumps • Condensers

28 WOLCOTT STREET

READVILLE, MASS.



B W H MUNICIPAL FIRE HOSE

In the Lead Since 1878

BOSTON WOVEN HOSE & RUBBER COMPANY

CAMBRIDGE, MASS.

telephone line run in there. But that watchman, when alone, is not always where he can hear the telephone. He may be out of hearing of the telephone for from five to fifteen minutes. Then what happens if there is a fire call? Either a great delay, or a lost call. Have you considered that, gentlemen?

Suppose you have no factory, no one, positive place to call, and very few towns have. You might have a fire telephone line with several houses or places of business connected to it. Suppose you have? The telephone company calls it a "Fanned out line". Have you any assurance of positive reception of that call at any one of these places? Usually, no. Then where are you?

If a city fire department took any such chances on receiving fire calls, you would at some time have conflagrations. And at all times you would have the National Board of Fire Underwriters calling you to account. So what are you going to do? And remember this: If your fire alarm line on a Dial System is "Busy", you can't get it from another line. You can't talk to a machine as you could to an operator. You have just got to wait.

Now gentlemen, there is a method for the prompt sounding of a public alarm over either your regular fire alarm system: a Diaphone Air Horn, an Electric Siren, a machine controlled air or steam whistle. And that is by the insertion of a master type Fire Alarm Box, or a relay in your special telephone line. Gamewell has the equipment. And I'm stating Gamewell because they are the company whose system is mostly in use in our territory. Their Master Box can be connected into a Dial telephone line. It will be tripped only when the dialing is completed and the ringing starts. It won't interfere with the telephone service in any particular if properly connected. You can immediately get a public alarm. You can have your dial number at such variance with other numbers of that Dial Exchange that there will be little chance of mistaken numbers. You won't have deliberate false alarms in the smaller places. The fire alarm systems are respected there. In our town, with close to 500 subscribers to the telephone service, over a period of 25 years we have never had a false telephoned fire alarm. And only one false street box alarm. Don't worry over that. And you can use your fire telephone line for outward business if desired, without tripping your box. Or, once tripped, it has to be reset to transmit more alarms. So, if you want to use that line for business after an alarm has come in, don't reset your box until finished. List your telephone as: "Town of Blank-Fire Alarm: wait on line until firemen answer." Which would be prompt. The detail is simple and practical. And Gamewell has the equipment. The only drawback is the refusal of the telephone company—with various reasons—to permit such connections. As previously stated, these connections can be made without either assumed responsibility by the telephone company or of injury to its equipment. Or of impairment of its service. Objections to giving such service because of the excuse that Dial lines are not supervised and known to be in, or out of order, are without ground. You can supervise your own line, at any time, by shunting out your box proper, leaving the tripping mechanism in circuit, and testing the box action by dialing your fire line from another. The same type of test could be made on other set-ups. No regular test or supervision is given on Operator Exchanged lines. On a Magneto Board there would be no notification of line trouble as ordinarily occurs. On a Light, or Common Battery Board, there would be some measure of automatic notification of trouble on your line under certain conditions of line trouble. I would not worry over any supervision bogey.

If this Association will appoint a committee to impartially investigate these matters, I believe they will find them practicable, and demand cooperation.

COMPLIMENTS OF

EASTERN CORPORATION

•

BANGOR, MAINE

COMPLIMENTS OF

RITZ FOLEY HOTEL

•

BANGOR, MAINE

MAINE COAL SALES CO.

•

BANGOR, MAINE

FINNIGAN BROS.

•

BANGOR, MAINE

SACO-MOC SHOE CORP.



14 SPRING STREET

PORTLAND, MAINE



Chief OLIVER T. SANBORN, Board of Directors, Portland, Me.

DIRIGO BEVERAGES, Inc.

60-62 CROSS STREET

PORTLAND, MAINE

Telephone Dial 2-2897, 2 2898

R. B. DUNNING CO.

BANGOR

MAINE

WHITE HAYES

Undertakers



BANGOR, MAINE

Radio Station

W. A. B. I.



BANGOR, MAINE

G. A. FOGG, Pres.

Tel. 3-6300

TRUCK LEASING CORPORATION

COMMERCIAL TRUCK LEASING

GARAGE SERVICE AND STORAGE

59-69 PREBLE STREET

PORTLAND, ME.

I have attempted to outline a "way out" for some of your problems. To give an insight of what is, and of what can be. The future is fast coming to you. And definite, technical plans should be made to meet it.

While on this subject I would like to refer to the so-called "Curiosity Calls" made by the public, when an audible fire alarm is sounded. The place to stop that is in the house, not in the fire headquarters. For they tie up your lines. We had too much of that in our town, which has an Operator Exchange. No operator could keep ahead of them. And the firemen were hampered when making necessary calls. The same can happen with a dial system. In fact it may be put out of business by fuse blowing through an overload, as during a blackout period.

I explained, and requested, in the weekly, local paper, why people should not make such calls. I put material into the schools, to be taken home; also I sent a form letter to the pastors of our churches, embodying the same material, and requesting these be read at all regular church services. The result was a 75 to 99 percent stoppage of these calls. The other one percent persists—a woman who has an interest in an outlying farm. Whenever our Telephone Exchange Alarm Box comes in, she is the first to ask, "Where is the fire?" We are checking her. The operator just says, "We do not know." She can't beat that. If these calls begin to creep in again I repeat the process. And again reduce them. It pays. Please remember that the advertising the telephone company does in this respect is often not read. A lot of bills, and the enclosed "topics", only go to the business man of the family. They don't get into the homes, so the family from which these curiosity calls originate, never know that the telephone company has requested they not be made. If this can be checked in one town it can be checked in others. To keep your lines clear a large Department can have unlisted lines, reserved for its strictly emergency use. You, in the small places, cannot do this. So at some time you have no telephone service.

I feel I have been rather long. My aim has been to outline what exists. And what may be of value to yourselves, possibly, also other sections of the country. I hope that some part of it will be of value.

June 19, 1944.

PRESIDENT LAWTON: I have a copy of a letter addressed to Chief Sanborn from E. H. Whittemore, State Fire Marshal, Division of Fire Prevention, of Massachusetts, in which he says:

"It is with exceeding regret that I am obliged to cancel my reservation for attendance at the annual meeting of the New England Fire Chiefs' Association next week at the Balsams. Certain matters important to the administration of this office have arisen which will require my presence in Boston during the time of the meeting.

"I had looked forward to the opportunity of being with you and anticipated a pleasant occasion.

"With best of personal regards and a sincere wish that the meeting will not only be enjoyable but profitable to all, I remain,

Very truly yours,

E. H. Whittemore

State Fire Marshal"

COMPLIMENTS OF

GEORGE B. FRENCH COMPANY

Portsmouth's Leading Dept. Store

PORTSMOUTH, N. H.

COMPLIMENTS

New Hampshire Provision Co.

•
PORTSMOUTH, N. H.



GRANITE STATE FIRE INS. CO.

PORTSMOUTH, N. H.



Badger-Rand Ice Company

PAUL C. BADGER, Manager

PURE SPRING WATER ICE
SAND, GRAVEL AND LOAM
TEAMING AND TRUCKING

Air-Conditioned
Refrigerators

Asphaltic
Concrete
Pavement

Concrete
Construction

General
Contracting

PORTSMOUTH, NEW HAMPSHIRE

I will also read a letter from Vincent Stanley.

June 19, 1944.

"Mr. John W. O'Hearn, Sec'y-Treas.,
New England Association of Fire Chiefs,
The Balsams,
Dixville Notch, New Hampshire.

"Dear John:

"Will you kindly convey to the members my heartfelt regrets in being unable to join them in their 22nd Annual Conference from the 27th to 29th of June 1944.

"It is with a great sense of loss and sadness that I am forced to send my greetings and best wishes to the host of friends in this message instead of enjoying the warm hand shake and cordial greetings in person. The recollection of the happy times I have enjoyed over so many years and particularly the former gatherings at The Balsams still fills me with a great sense of thankfulness.

"I had hoped to be able to arrange my responsibilities so as to secure a leave of absence in order to attend; but the war conditions have decided otherwise. I have recently been advanced to the position of Chairman of the Contract Termination Board with greater duties; so I trust my friends will understand my situation and realize how much my thoughts will be with them.

"Trusting this Conference will be another milestone in the affairs and advancement of the Association, and with my kindest regards, I beg to remain,

Cordially yours,

Vincent Stanley"

Moved by the Secretary that these two letters be made a part of the record.

Motion seconded.

PRESIDENT LAWTON: Any remarks? If not, all in favor will signify by saying aye; opposed, no. It is a vote.

SECRETARY O'HEARN: During the past year the directors have held four meetings, and I believe from my experience, that every one of them was of importance. The report on them is quite lengthy, so unless some one wants to hear these minutes read now or at some later session of this conference, I move that the reading of the minutes of the meetings of the Board of Directors be omitted, and they be made a part of the record for the coming year.

Motion seconded.

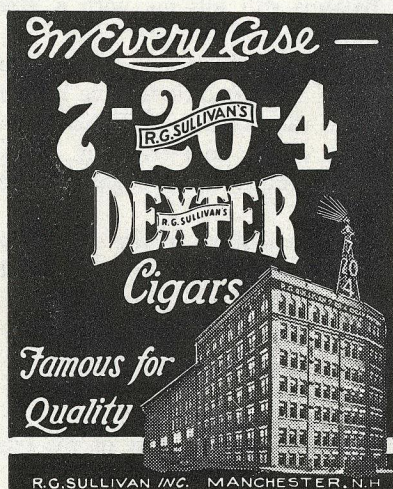
PRESIDENT LAWTON: Any remarks? If not, all in favor will say aye; opposed, no. It is a vote.

TREASURER O'HEARN: I think it is of importance to the members to hear the financial statement as it will be some time before you will get our new book. Following the custom of previous years this will give you an idea of our financial situation; since our last conference, at the closing of the books June 15, 1944. (Read as follows):

COMPLIMENTS OF

FLEISHER SHOE COMPANY

COFFS FALLS, NEW HAMPSHIRE



SAMUEL EASTMAN COMPANY

Sole Manufacturers and Patentees of

The Eastman New Nozzle
System

Improved High Pressure
Outfits

Unexcelled for Simplicity of Control

Please write for Catalogue

EAST CONCORD, N. H.

SYLVIO NORMAND • RAOUL NORMAND, Proprietors

S-R BAKING COMPANY, Inc.

15 MERRILL STREET

MANCHESTER

NEW HAMPSHIRE

Telephone 6696

J. F. McELWAIN COMPANY

General Offices
NASHUA, N. H.

Shoe Factories, Nashua, N. H., Manchester, N. H.

Factory, KEENE, N. H.

Mines, ALSTEAD, N. H.

New Hampshire Mica & Mining Company

Miners, Importers, Dealers and Manufacturers of

MICA INSULATION

GROUND MICA
CUT and UNCUT MICA
BUILT UP MICA PRODUCTS

MICA FILMS
DISCS and WASHERS
INSULATION SPECIALTIES

KEENE, N. H.

NEW ENGLAND SCREW CO.

Manufacturers of Machine Screws, Stove Bolts, Rivets,
Wood Screws, Sheet Metal Screws, Machine Screw Nuts,
and Special Screws, in All Metals.

KEENE, NEW HAMPSHIRE

E. J. KINGSBURY, President and Treasurer

G. SWAHNBERG, Vice President

Kingsbury Machine Tool Corporation

*Specialists in Full and Semi-Automatic Drilling and
Tapping Machinery*

KEENE, NEW HAMPSHIRE

NEW HAMPSHIRE FIRE INSURANCE CO.

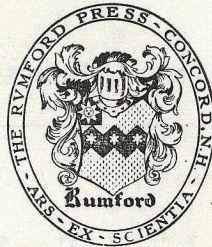
MANCHESTER, N. H.

ORGANIZED 1869



*A Slight but Sincere Acknowledgment of a
Debt of Gratitude Due to the Brave Fire
Chiefs of Our Country*

RUMFORD PRESS



CONCORD
NEW HAMPSHIRE



HOME FRONT FIGHTERS

We salute you for the service you are rendering on the home-front. Your excellent work this past year has saved many hours of vital production. You are Home-Front Soldiers, supporting the Fighting Front!

PUBLIC SERVICE COMPANY of New Hampshire



Chief CHARLES H. FRENCH, Board of Directors, Manchester, N. H.

JOHN B. VARICK COMPANY

MANCHESTER, N. H.

Main Store, 801-819 Elm Street
Warehouse No. 1, Nutfield Lane
Warehouse No. 2, West Auburn Street
Warehouse No. 3, Valley Street
Agricultural Store, Depot Street
Tel. Connecting All Departments 4560

SEE PAGE B FOR A BRIEF LIST OF OUR LEADING LINES

COMPLIMENTS OF

GELINAS CLEANERS

566 SOMERVILLE STREET

MANCHESTER

N. H.

Best Wishes from

Charles A. Hoitt Furniture Co.



672 MAPLE STREET

MANCHESTER, N. H.

COMPLIMENTS OF

N. G. GURNSEY & CO.

KEENE AND MANCHESTER

NEW HAMPSHIRE

COMPLIMENTS OF

EVANGELINE SHOE MFG. CO.



MANCHESTER, N. H.

TREASURER'S REPORT**1944**

Following the custom of past years, your secretary has prepared a brief summary covering membership and financial status since our last conference to the closing of the books on June 15, 1944.

The Treasurer's books will show in detail all receipts and expenditures as testified to by the Auditing Committee, but are not published as part of our Annual Report and are available to any member who may want further information than what is reported.

On June 15, 1943, the total membership was 965. Since that time we had admitted to membership 73 new members. We have lost by death 24 members and 97 have been dropped for non-payment of dues or resigned.

The total membership on June 15, 1944 was 918 of which 493 are active and 424 are Associate, classified by states as follows:

Maine	56	Indiana	1
New Hampshire	44	Colorado	1
Vermont	33	Toronto	1
Massachusetts	501	Quebec	2
Rhode Island	61	Florida	2
Connecticut	144	Louisiana	2
New York	26	Michigan	2
New Jersey	25	Wisconsin	1
Pennsylvania	5	Halifax	1
Washington	3	Ontario	1
Ohio	4	California	1
Illinois	1		

The above figures include 67 members of the Association known to be in the Services of the United States, also our Insurance Brokers' Section of 26 members.

On June 15, 1943, the cash balance was \$9,598.59. On June 15, 1944 the cash balance was \$9,132.29—\$286.85 of this amount is deposited in the Union Market National Bank checking account, Watertown, Mass., and \$824.80 is deposited in the Watertown Savings Bank, and \$5,448.64 is deposited in the Watertown Co-operative Bank.

Included in the cash balance of June 15, the Association owns Government War Bonds whose present value is \$2,572.00 with a maturity value of \$3,300.00.

With reference to the funds deposited in the Watertown Co-operative Bank, I wish to present the following statement:

June 16, 1944.

Chief John W. O'Hearn, Treasurer
New England Association of Fire Chiefs
Watertown, Massachusetts.

Dear Mr. O'Hearn:

In accordance with your request we are giving you the following statement of accounts in this bank as of June 15, 1944, in the name of The New England Association of Fire Chiefs:—

R. G. AREY

Mechanical and Electrical Development Engineering
Light Manufacturing of Specialized Products

44-48 BUFFUM STREET

LYNN, MASS.

Telephone LYnn 5-1572

REAL ESTATE

29 YEARS

INSURANCE

HARRY I. CASWELL

(CASWELL AGENCY)

WOOLWORTH BLDG.

PORTSMOUTH, N. H.

DYEING . STRIPPING . CARBONIZING . CARDING . PICKING . GARNETTING

STRIAR SHODDY MILL CO.

Manufacturers and Blenders

SHODDY, WASTE and RAYON

POST OFFICE ADDRESS
Box 917, BANGOR, MAINE

PLANT LOCATED
Spring Street, BREWER, MAINE

DIAL 3184

BREWER, MAINE

PORTLAND CYCLE CO.

Wholesale Jobbers in

BICYCLES - RADIOS - CAMERAS - KEY BLANKS

20. PORTLAND ST., BOSTON, MASS.



"At The Balsams 1944"

1864

Eighty Years of Service

1944

**THE
RUTLAND COUNTY NATIONAL BANK
RUTLAND, VERMONT**

Strong Enough to Protect You
Large Enough to Serve You
Small Enough to Know You

COMPLIMENTS OF

DANVERS SHOE COMPANY



MANCHESTER, N. H.

COMPLIMENTS OF

FELLOWS & SON, Inc.

Connecting All Departments
Phone Manchester 3490

MANCHESTER, N. H.

Also 808 Memorial Drive, Cambridge, Mass.

THE TEMPLE BROTHERS

INCORPORATED

Designers and Builders of

CEMETERY MEMORIALS

MARBLE and CEMENT BURIAL VAULTS

PHONE 35

360 WEST STREET, RUTLAND, VERMONT

NEW ENGLAND ASSOCIATION OF FIRE CHIEFS

INSURE AGAINST FIRE
STATE MUTUAL INSURANCE CO.

RUTLAND, VERMONT

Incorporated 1898



Chief Alfred H. Koltonski, Board of Directors, Rutland, Vt.

COMPLIMENTS OF
KILLINGTON NATIONAL BANK
AND
RUTLAND TRUST COMPANY
Corner **MERCHANT'S ROW & EVELYN STREET**
RUTLAND, VERMONT

COMPLIMENTS OF

A Burlington Friend



G. L. WRIGHT

E. F. MORRISSEY, JR.

WRIGHT AND MORRISSEY *CONTRACTORS*



BURLINGTON, VT.

PORTER SCREEN COMPANY

Manufacturers of

WIRE WINDOW AND DOOR SCREENS

BURLINGTON, VERMONT

COMPLIMENTS OF

VERMONT HARDWARE CO., Inc.

Distributors

BURLINGTON, VERMONT

WHITE RIVER JCT., VT.

MALONE, NEW YORK

NEW ENGLAND ASSOCIATION OF FIRE CHIEFS

10 Matured Shares—Certificate #9272	\$ 2,000.00
10 Paid Up Shares—Certificate #05570	2,000.00
8 Shares Series 119, #29198	1,448.64
	<u>\$ 5,448.64</u>

On June 16, 1943, these accounts had a withdrawal value of \$5,318.72.

Very truly yours,

LAW/M

signed: L. A. Warren, Treasurer.

In connection with the financial report it is at once noticeable that the receipts show a decrease in comparison with the 1943 report, which may be accounted for to some extent to added demands upon the Association, our continued practice of assisting the members when it is necessary. We have been confronted with a number of new problems that were given consideration. Our only source of receipts were from membership fees and advertising in our annual report.

We have had an unusual number of deaths during the past year, 24 members having passed away since our last conference, 97 members have retired from the Association for various causes, and as noted in membership totals we now have but 918 members against 965, one year ago.

PRESIDENT LAWTON: Is the Auditing Committee present?

CHIEF KOLTONSKI: The Auditing Committee reports that it has examined the books of the treasurer, and found them correct as of June 16, 1944. Moved that the report of the Auditing Committee be accepted.

Motion seconded.

PRESIDENT LAWTON: Any discussion? If not, all in favor will say aye; opposed, no. The report is accepted.

Moved that the Treasurer's report be accepted.

Motion seconded.

PRESIDENT LAWTON: Any discussion? If not, all in favor of the motion will say aye; opposed, no. It is a vote.

TREASURER O'HEARN: I have said all I have to say at this time and you can now go on with the program.

CHIEF PACHL: I move that dues of members in the service be suspended for the duration.

Motion seconded and passed.

Receipts from membership fees have declined to a great extent. More members owe dues for back years at this time than ever before in the history of the Association. In twelve months, six appeals have been sent to members at regular intervals, with very poor returns.

We have in the service 67 members known to be in the Armed Forces of our Country, but very few of whom receive our mail, as they appear to be moving all the time, and mail does not catch up with them. I recommend to the Association the consideration of cancellation of all dues for members in the service for the duration of the War.

In closing I again urge your continued co-operation and assistance that we may look ahead to a better future with continued increase in members and thereby be better fitted to carry on and serve our communities in what we may justly expect to be a great post-war effort.

September 15, 1943.

John W. O'Hearn,
Secretary-Treasurer.
Auditing Comm.

THE G. S. BLODGETT CO., Inc.

•
**190 - 200 BANK STREET
BURLINGTON, VT.**

G. A. MITIGUY, President
J. W. GOSS, Vice President

ARTHUR A. MITIGUY, Treasurer
J. F. MITIGUY, Secretary

BURLINGTON DRUG CO.

Wholesale Druggists

**OILS, PAINTS, VARNISHES, BRUSHES
123 & 125 COLLEGE STREET BURLINGTON, VT.**

EDLUND COMPANY

**Can Openers - Egg Beaters
Bottle Openers - Jar Openers
Knife Sharpeners**

BURLINGTON, VT.

Partners O. O. Edlund, W. W. Edlund

Branch Offices

**NEW YORK, 1150 Broadway
CHICAGO, 549 W. Washington St. LOS ANGELES, 1206 Maple Ave.**

CHAMPLAIN VALLEY FRUIT CO.

Fruit — Vegetables — Beverages

Cold Storage — Freezers

BURLINGTON AND RUTLAND, VT.

The first meeting of the officers and directors was held on the above date at the Parker House, Boston, Mass.

The meeting was called to order by Vice Pres. Chief Happny at 11:35 A.M. as Pres. Lawton was late. The Secretary reported the following deaths since our conference in June:

Chief Herbert A. Dolley, Tilton, N. H.	Died Sept. 21, 1942
Ex-Chief Albert F. Hildredth, Hollis, N. H.	" May 22, 1943
John J. Reilly, Boston, Mass.	" June 25, 1943
William J. Hammond, Woburn, Mass.	" July 18, 1943
Ex-Chief W. A. Berry, Danvers, Mass.	" Aug. 17, 1943
Ex-Chief Charles F. Leavitt, Nahant, Mass.	" Sept. 8, 1943
Chief Samuel E. Kellogg, Hopedale, Mass.	" Oct. 9, 1943

The Secretary reported upon Chief Edwin E. Truax of Foxboro, Mass., having lost sight of both eyes as a result of fireworks exploding in front of him while on duty at the fire station, that a fund was being raised to procure a seeing-eye dog for him, also to be used to assist in educating him in a useful trade for the blind. On motion of Chief Koltonski, seconded by Chief Shea, it was voted that we contribute \$300.00 to the fund.

At this time the President arrived. Discussion arose as the result of a vote at the Rutland conference regarding a testimonial to Mr. Stanley. The Secretary announced the appointment of the following committee by Pres. Lawton: Past Pres. Mahoney, Chiefs Allen, Tierney, Potter, Pres. Lawton by virtue of office and the Secretary.

Voted to arrange for a banquet and testimonial for Mr. Stanley, tentative date Nov. 17th, and have the affair in conjunction with the Massachusetts Fire Chiefs' Club. Voted the committee be given full power to arrange all affairs, dates, etc.

Voted on motion of Chief French that the treasurer be authorized to purchase a \$1,000 War Bond.

The following were in attendance, including members of the Stanley committee: Pres. Lawton, Vice Pres. Happny, Vice Pres. Payson, Chiefs Sanborn, French, Koltonski, Scanlon, Cote, Shea, Tierney, Allen, Past Pres. Mahoney, Edward J. McCarthy, Chief John Savage and the Secretary.

Director Stuart Potter notified us of his inability to attend. Voted to adjourn 1:00 P.M. to meet with Mass. Fire Chiefs, and for us to meet next time subject to the call of the President.

On October 7th a meeting of the Stanley Committee was held at the Hotel Bond in Hartford, Conn. The meeting was arranged to relieve our President and Director Potter of the necessity of coming to Boston which they have had to do many times. The meeting was called to order at 8:15 P.M.

President Lawton called the meeting to order with the following in attendance: Chiefs Stuart Potter, William Mahoney, Dan Tierney and the Secretary. Also Mr. Thomas E. Marston, Deputy Administrator of The Connecticut War Council (who became a member of our Association) and who was working with and the guest of President Lawton.

After general discussion it was voted on motion of Chief Mahoney and seconded by Chief Potter that we hold a mixed party, dress informal, that the date remain same as previously voted, November 17th, that it be held at the Statler at 6:30 P.M., with price of tickets \$3.00 per person.

JUMBO BREAD

GIRARD'S FAMOUS DOUGHNUTS

MADE BY

GIRARD BAKING CO.

50-56 CHERRY STREET

BURLINGTON, VT.

VERMONT FRUIT AND GROCERY CO.
INCORPORATED

Phone 700—701

198-212 BATTERY STREET
BURLINGTON, VT.

COMPLIMENTS OF

E. B. & A. C. WHITING COMPANY



BURLINGTON, VERMONT
U. S. A.

Vermont Structural Steel Corp.

Fabricators — Engineers

Miscellaneous and Ornamental Iron



Vermont's Largest Steel Warehouse

BURLINGTON

VERMONT

Voted that all further details regarding tickets, program, entertainment, toastmaster, letter or return postcard be left to nearby members of committee to carry on. Chiefs Tierney, Allen, Mahoney and the Secretary. Committee adjourned about 10:30 to remain in Hartford overnight.

Chief Mahoney provided transportation down and back for Chiefs Tierney and O'Hearn. Chief Allen found it impossible to attend.

October 30th, Committee on Stanley Testimonial met informally at the Massachusetts Fire Chiefs' meeting and because of hotel conditions, it was voted to abandon the date of Nov. 17th at the Statler and the committee decided to work with Massachusetts Chiefs' Club Committee and hold our affair on Mass. Chiefs' Ladies' Day, December 15th at the Bradford Hotel, as at this time it appeared to be the only date and hotel available. Further detail to be taken care of by Chief Tierney and Chief Hill, representing the Chiefs' Club.

Nov. 1, 1943.

A meeting of the Legislative Committee was held with sanction of the President at The Parker House, Boston, as a result of a questionnaire sent out by Mr. Lewis E. MacBrayne, Clerk of Committee, Dept. of Public Safety, Commonwealth of Mass., 80 Federal St., Boston, to Chiefs of the eight largest cities in Massachusetts, as a result of the loss of life in Boston, November 28, 1942.

Our legislative committee was appointed on Dec. 16, 1942 as follows: Chief Joseph Scanlon of Lynn, Chief Arthur Flynn of Salem, and the Secretary.

The following letter was sent out by Mr. MacBrayne to the Chiefs of the eight large cities as follows: Chiefs Kiessling of Worcester, McGaw of Fall River, Root of Springfield, Stackpole of Lowell, Dahill of New Bedford, Gutheim of Cambridge, Scanlon of Lynn, Flynn of Salem, Pope of Boston, Comm. Reilly of Boston and the Chief of the Fire Dept. of Lawrence, Mass.

You will recall that the Governor, in compliance with a Legislative act recently appointed five members of a new Board of Standards and Appeals, attached to the Massachusetts Department of Public Safety, though not under the jurisdiction of the Commissioner.

We are now working on a new set of regulations that will apply to all places of public assembly in the State, not only to prevent a recurrence of such a disaster as occurred at the Coconut Grove in Boston, but to provide as safe conditions as possible in all public places—night clubs, theatres, football stadiums, baseball parks, etc.

We are considering whether a sprinkler system should be required in the lower part of a building used for public assembly, in basements and closets where a fire might originate; whether the personnel of night clubs, theatres, etc., should not be definitely trained to act promptly when panic conditions are likely to be created; whether the emergency bar on exits is entirely satisfactory; whether fire escapes cannot be improved

I am instructed by the committee, of which William R. Greeley is Chairman, to write this letter to the Fire Chiefs in our eight largest cities, asking them first: to give us their opinion on any of the above points now under consideration, second: to recall any disastrous fires with a loss of life, that may have occurred within their experience, and to recommend any measures that, had it been a state requirement, might have prevented or reduced the

PHONES 4100—4101—4102

M. M. FARRELL & SONS

*Wholesale Distributors and Bottlers
Beverages*

BURLINGTON

VERMONT

COMPLIMENTS OF

THE RICHARD MFG. CO.

WINOOSKI, VERMONT

Open Every Week-day from 11.00 A. M. to 12.00 P. M.

Saturday 11.00 A. M. to 1.00 A. M.

Luncheon 11.00 to 2.30

Special Supper 5.00 to 7.30

Sunday Special Dinner 11.00 to 3.00

STAR RESTAURANT

Chinese and American Food

144 CHURCH STREET

BURLINGTON, VT.

All Orders Put Up in Good Condition to Take Out

VERMONT CONFECTIONERY CO.

MANUFACTURERS OF

Vermont Blue Ribbon

100% Pure Maple Sugar

65 - 69 KING STREET

BURLINGTON, VT.

NEW ENGLAND ASSOCIATION OF FIRE CHIEFS

loss of life that occurred. I need not add that your judgment and experience may prove of great assistance to our Board.

Very truly yours,

signed: Lewis E. MacBrayne,
Clerk of Committee.

Oct. 18, 1943.

The following letter was sent by the Secretary after the meeting of Nov 1st which explained to the members the action taken at the meeting:

Nov. 3, 1943.

Lewis E. MacBrayne, Clerk of Committee,
Dept. of Public Safety, Commonwealth of Mass.
80 Federal St., Boston, Mass.

Dear Sir:—

On November 1st at the Parker House, Boston, a meeting of the Legislative Committee of The New England Association of Fire Chiefs appointed by the directors on December 16, 1942, "to represent the Massachusetts Fire Chiefs in advancing or promoting any legislation that might be proposed that would assist in preventing loss of life."

The committee consists of Chief Joseph E. Scanlon of Lynn, Mass., Chief Arthur L. Flynn of Salem, Mass., and Chief John W. O'Hearn of Watertown, Mass. This committee did appear at all open meetings of the committee on Military Affairs and Public Safety on Mar. 16, 18, 23, and expressed their opinion on various bills—most of which were presented as a result of a recent fire in Boston involving a great loss of life.

At these meetings we were advised that perhaps many of the bills would be referred to a recess committee and that we would be notified when and where such meetings would be held in order that we would be heard on any further suggestions we might want to present.

At the meeting on Nov. 1st all the eight large cities were represented except Cambridge, Chief Gutheim being unable to attend. Chief Pope of Boston was present, Commissioner Reilly found it impossible to attend. In addition to the above Chiefs Allen of Brookline and Tierney of Arlington were present at my suggestion to represent the large towns, as both have many large apartment houses, involving a life hazard.

The questions contained in your questionnaire recently sent out were discussed at length, and it was agreed that new legislation was necessary, that every Chief present would reply to the questionnaire at his earliest convenience with any further views or comments that might apply to his particular city. It was further agreed that the subject matter of the questionnaire be referred to a committee of three members of the Massachusetts Fire Chiefs Club, of which Herbert C. Root of Springfield is President and was present. Thomas F. Griffin, Deputy Chief of Lawrence represented that city, as the position of Chief there is vacant.

I suggest you contact him for further information regarding this work at #111 Trenton St., Lawrence, Mass.

Trusting this information is of some value to you, I am

Secretary

VERMONT FOUNDRIES, Inc.

*Grey Iron -- Semi-Steel -- Non-Ferrous
Machinery Castings*

SPRINGFIELD

VERMONT

JOHN T. SLACK CORPORATION

ESTABLISHED 1871

●
Manufacturers of Reworked Wool

SPRINGFIELD

VERMONT

1828

1943

Vermont Mutual Fire Insurance Co.

114 STATE STREET

TELEPHONE 124

MONTPELIER, VERMONT

COMPLIMENTS OF

**THE VILLAGE OF
SPRINGFIELD, VERMONT**

Dec. 14, 1943.

The second meeting of the Directors and all officers of the Association was held on above date at the Bradford Hotel with all officers present.

The meeting was called to order by Pres. Lawton at 8 P. M. Minutes of previous meeting together with committee records since our last meeting were read and approved.

The Secretary announced the passing of following members since our last meeting:

Chief Frank W. Churchill, Rocky Hill, Conn., died Aug. 15, 1943, notified by Mrs. Churchill of this death in November.

First Vice Pres. Chief William T. Happny, Concord, N. H., died Nov. 21, 1943.

Chief Leslie S. Wiggin, Franklin, Mass., died Nov. 29, 1943.

Ex-Chief Edward A. VonHoltz, Southport, Conn., died Dec. 12, 1943.

Upon motion of the Secretary, the following members were admitted to Honorary membership:

Charles W. Comins, retired Chief of Warren, Mass., joined May 24, 1924.

Charles Hiser, retired Chief Adams, Mass., joined May 21, 1923.

The Secretary reported the illness of Chief Shea, Sgt. at Arms, but he is better at this time and expects to join with us on the morrow at our Testimonial to Mr. Stanley.

The Secretary reported on the progress of the Red-Book publishing, etc., and recommended that it be published in the same manner and by same persons as in the past three years. Voted as outlined by the Secretary.

On motion of the Secretary it was voted to contribute \$10.00 to assist in carrying on "Boys Town" (Father Flanagan.)

On motion of Chief Koltonski, it was voted to contribute \$100.00 to the Stephen C. Garrity Fund now being raised as a tribute to a fine, outstanding member and Fire Marshal of Mass. upon his retirement.

Adjourned at 9:30 P.M. to meet with the Mass. Fire Chiefs Club on Dec. 15th when we tender a Testimonial to an honored member of our Association, and one who has been untiring in his efforts to promote the best interests of the fire service.

On December 15, 1943 at 1:30 P.M., upwards of 300 members and friends of the New England Association of Fire Chiefs and The Mass. Fire Chiefs Club assembled at the Bradford Roof Garden in honor of Vincent C. Stanley. All enjoyed a fine dinner and most pleasing program. Mr. Stanley was presented with an engrossed set of resolutions, presentation made by William Arthur Reilly, Fire Commissioner of Boston.

★ **FOR VICTORY** ★
BUY WAR BONDS



BENMONT PAPERS Inc.

BENNINGTON, VERMONT



H. T. CUSHMAN MFG. CO.

CREATORS AND MANUFACTURERS OF
DISTINCTIVE FURNITURE

NORTH BENNINGTON

VERMONT

Permanent Exhibits

NEW YORK—N. Y. Furniture Exchange CHICAGO—American Furniture Mart
NORTH BENNINGTON, VT.—Stone House Opposite Factory

JOHN HENRY CUSHMAN, President W. C. H. CUSHMAN, Vice Pres. & Treas.
HALL W. CUSHMAN, Secretary



BENNINGTON MILLS

BENNINGTON, VERMONT



JOHN J. HAYES, President HARRY S. PHILLIPS, Vice-President and Treasurer

CHARLES COOPER COMPANY, Inc.

Established 1859

Incorporated 1930

Spring Needle Rib Knitting Machines
Latch and Spring Beard Knitting Machine Needles

BENNINGTON, VERMONT

. . . TESTIMONIAL BANQUET . . .

**In Honor of
VINCENT C. STANLEY
by the
NEW ENGLAND ASSOCIATION OF FIRE CHIEFS
and the
MASSACHUSETTS FIRE CHIEFS' CLUB
Hotel Bradford, Boston, Mass.
Wednesday, December 15, 1943**

CO-CHAIRMEN

Chief Michael W. Lawton Middletown, Conn.
President New England Association of Fire Chiefs
Chief Herbert C. Root Springfield, Mass.
President Massachusetts Fire Chiefs' Club

TOASTMASTER

Chief Selden R. Allen, Brookline, Mass.
Representing New England Section I. M. S. A.
President Robert Neal, Waltham, Mass.
Representing Newton Chamber of Commerce
Rupert C. Thompson, Secretary
Representing Massachusetts Fire Chiefs' Club
President Herbert C. Root
Representing New England Fire Chiefs
President Michael W. Lawton
Representing International Fire Chiefs
President Art J. Baker, Lewiston, Montana

PRESENTATION OF ENGROSSED RESOLUTIONS

Fire Commissioner William Arthur Reilly, Boston

COMMITTEE

Michael W. Lawton	Herbert C. Root
Selden R. Allen	Daniel B. Tierney
William C. Mahoney	Stuart M. Potter
William H. Hill	Thomas H. Slaman
Herman E. Gutheim	Timothy G. McCarthy
John W. O'Hearn	

ENTERTAINMENT

Entire Bradford Roof Revue
Music for Show by Sammy Eisen

Address by

Fire Commissioner **WILLIAM ARTHUR REILLY**, Boston, at the

PRESENTATION OF ENGROSSED RESOLUTIONS

**PRESENTATION OF ENGROSSED RESOLUTIONS ON BEHALF OF THE
NEW ENGLAND ASSOCIATION OF FIRE CHIEFS AND THE MASSA-
CHUSETTS FIRE CHIEFS' CLUB TO VINCENT C. STANLEY, HOTEL
BRADFORD, BOSTON, MASS., WEDNESDAY, DECEMBER 15, 1943.**

We have already heard the sentiments of the International Municipal Signal
Association; the Newton Chamber of Commerce; the Massachusetts Fire Chiefs'

Phone 2-3728

PERCY H. Y. LEE, Mgr.

THE FAR EAST GARDEN

American and Chinese Restaurant

Luncheon from 11 A.M. to 4:30 P.M. — Suppers from 5 to 9 P.M.

Sundays and Holidays—Table d' Hote Dinner Our Specialty

1001 MAIN STREET

HARTFORD 3, CONN.

THE EDWARD BALF CO.

Crushed Stone

Certified Concrete

Asphalt, Concrete and Macadam Pavements

QUARRIES: **NEWINGTON, CONN.; TARIFFVILLE, CONN.**

OFFICE: 173 STATE STREET, HARTFORD, CONN.



BRUSHES FOR EVERY PURPOSE

PERSONAL • HOUSEHOLD • INDUSTRIAL

THE FULLER BRUSH COMPANY

HARTFORD, CONN.

Branch Offices in over 150 Cities. Consult Telephone Directory.

COMPLIMENTS OF

THE GRAY & PRIOR MACHINE CO.



HARTFORD

CONNECTICUT

Club; the New England Association of Fire Chiefs, and the International Fire Chiefs' Association, as expressed by their duly authorized representatives on this memorable occasion.

A summary of the sentiments so eloquently expressed by the previous speakers has been engrossed in the form of resolutions which I now have the honor to present to our guest of honor.

With the passage of the years there are very few men who do not have occasion to take part in testimonials of one form or another dedicated to associates, relatives and friends. I have frequently had the pleasure of attending such testimonials but never before have I witnessed a testimonial so filled with a spirit of genuine friendship, deep respect and heartfelt admiration for the guest of honor, as appears in this event. There is a spirit of genuine affection here, and a spirit of enthusiastic approval, which pervades every part of this room and every cubic foot of space.

To add to the unique character of this occasion is the fact that here we see the unusual incident of customers feting a person whose company they have regularly patronized. Where before have you seen a salesman being entertained by his customers?

But there is more to it than that.

The object of our affections is a man who has played an important part in the development of electrical communicational systems for fire departments throughout the United States and Canada. From 1907 to the present time, a span of 35 years, Vincent Stanley has been associated with firemen throughout this continent and there is scarcely a fire chief who does not automatically think of the name of Vincent Stanley when considering modern fire alarm communications.

As we go through life, we know that there are men whom we meet whose bearing belies their importance in their respective professions. There are men who do not have the appearance of success, but who are, nevertheless, great figures in their line of work. There are others who look successful and who have all the manners of big executives, but who fail when subjected to the task of solving special difficulties. There are still others we know, who are in places of importance merely because they have been fortunate, or who have gained prominence through family relationships, rather than through ability proven by direct competition with others in their own field.

None of these classifications apply to Mr. Stanley. Every one will agree that the success which has come to him has been the result of merit and of rewards gained in direct and open competition. He is a man who looks like a capable executive; he is a man who is a capable executive. He is a man who would make good in any walk of life, because he has demonstrated that he possesses the genuine qualities of character which lead to lasting success. These qualities have gained our admiration. This man has gained our respect. But, over and above these things, there is the intangible substance known as affection and that is what we are attempting to exemplify in our ceremonies on this day. Admiration alone does not necessarily imply that affection is also present. Affection is born through another channel altogether; a channel which speeds the spirit to its destination; a channel which exists because within its walls are found gratitude and appreciation for little acts of thoughtfulness; for kind words of encouragement; for self-sacrificing actions; for cordial greetings; for understanding and sympathy and for hundreds of

The M. H. Hart Line

FIRE FIGHTING EQUIPMENT

HART CELLAR PIPES

HART LADDER PIPES

HART WAGON PIPES

HART 3 IN 1 PIPES

HART STAND PIPES

Manufactured by

Grandahl Tool and Machine Co.

Toolmakers and Machinists

1200 PARK STREET

HARTFORD, CONN.

THE HARTFORD COURANT

66 STATE STREET, HARTFORD, CONN.

HARTFORD 2-3131

Phone 7-9187

THE UNITED TOOL & DIE CO., INC.

TOOLS, DIES, JIGS, GAUGES

Special Machinery and Experimental Work

324 ANN STREET

HARTFORD, CONN.

Represented by JAMES J. CARNEY

WM. R. STEELE, Pres.
H. J. DOLAN, Vice-Pres.

E. C. ROBERTS, Treas.
WM. L. SACKETT, Sec'y

ROBERTS, STEELE & DOLAN CO.

INCORPORATED

WHOLESALE GROCERS

726 WINDSOR STREET
HARTFORD, CONN.

NEW ENGLAND ASSOCIATION OF FIRE CHIEFS

COMPLIMENTS OF

THE ARGUS ENGINEERING CO.

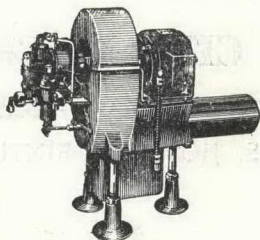
1200 PARK STREET

HARTFORD, CONN.



EX CHIEF JOHN F. DOYLE, Our First Pres., July 12, 1922

COSTS LESS
TO OWN



HARTFORD
CONN.

SILENT GLOW
TRADE MARK REGISTERED U.S. PAT. OFF.
OIL BURNER

JOSEPH W. ALSOP, President S. T. BRIGHAM, Secretary

J. H. BUCK, Vice President

THE HARTFORD COUNTY MUTUAL
FIRE INSURANCE COMPANY

HARTFORD

CONNECTICUT

THE SISSON DRUG CO.

Headquarters for

SPONGES — CHAMOIS — PAINTS

SHELLAC — VARNISHES

729 MAIN STREET

HARTFORD, CONN.

VEEDER-ROOT INCORPORATED

HARTFORD, CONNECTICUT

CAPITOL CITY MACHINE CO.

EXPERIMENTAL & AIRCRAFT PRECISION WORK

TOOLS, JIGS AND FIXTURES

73-75 ARCH STREET

HARTFORD, CONN.

Telephone 5-6644

NEW ENGLAND ASSOCIATION OF FIRE CHIEFS

other little things which do not stand recorded in writing or in the form of any material thing. From such things has been born our affection for this man.

All of us here present, wish to give evidence that we have affection for you, Mr. Stanley,—gratitude and affection born of the things I have just mentioned. We know that you have enjoyed an enviable reputation among the big business executives of nationally known organizations. We know that you have served as Chairman of the Board of Commissioners of the Firemen's Relief Fund of Massachusetts since 1937. We know that you have been President of the Newton Chamber of Commerce and that you have directed a most successful war bond campaign for the benefit of our nation, in your home city of Newton.

We know that the International Association of Fire Chiefs has granted honorary life-membership to you for outstanding service in its behalf, and we know that you are now administrative officer of the Boston Ordnance District of the United States War Department.

We know these things, and we like to recall them as an example of the things which a man may do in this great nation of ours, and as an example of the kind of work that other great Americans have done for the benefit of our country in times past. Our nation is great because it has within its ranks, within its masses, within its millions of persons, men of personality, character, integrity and intellect like your own. How different would be this world if all men could boast of talent and toil similar to yours. If there were a hundred Vincent Stanleys in New England, this section of the country would dominate the nation and lead the world in all that is progressive, upright and fine. All nations during all periods of history have needed men like you.

The sound of the words we say here, pass away as quickly as they are spoken. When we are gone from this room the walls will no longer echo our tribute; likewise, we realize that our words are inadequate to capture the true depth and scope of our sentiments of affection.

Therefore, we hand you this engrossed document to be kept as a reminder and as a symbol of what has transpired here today. This memento is not of gold nor is it studded with precious stones. It is merely a written record of the sentiments of plain men who feel deeply the loss of your companionship in our chosen field of endeavor, but who find consolation in the knowledge that you are now engaged as an official directly connected with the prosecution of our war effort.

In the heart of each one of us is the earnest prayer that your remaining years may be filled with continuing success, with good health and happiness, and that in company with your helpmate of these many years, Mrs. Stanley, both of you will walk hand in hand through the remaining years of life, serene in the warm sunshine of a world at peace.

March 14, 1944.

The third meeting of officers and directors was held on above date at the Parker House, Boston, Mass.

The meeting was called to order by Pres. Lawton with all officers present except Press-representative Vincent C. Stanley who found it impossible to attend.

The records of the previous meeting were read and approved; a letter from Mr Stanley was read by the Secretary thanking the Association for the presentation and reception tendered him Dec. 15th at the Hotel Bradford.

COMPLIMENTS OF

ORIENT INSURANCE COMPANY



HARTFORD, CONN.

FRED B. GRIFFIN

WILLIAM S. FULLER

CHARLES G. GRIFFIN

Telephones: Office 7-3119

Warehouse 8-4724

GRIFFIN-FULLER TOBACCO CO.

225-229 STATE STREET, HARTFORD, CONN.

POST OFFICE BOX 1235

COMPLIMENTS OF

THE BARTLETT-BRAINARD CO.

General Contractors

HARTFORD

CONNECTICUT

Telephone 2-5266

W. C. MASON & COMPANY

INCORPORATED

COAL • FUEL OILS • COKE

Industrial and Domestic Oil Burners

HARTFORD

CONNECTICUT

Boston, Mass.,
Jan. 5, 1944.

Chief John W. O'Hearn, Sec'y.-Treas.,
New England Association of Fire Chiefs,
Fire Department Headquarters,
Watertown, Massachusetts.

Dear John:

Will you please convey to the Board of Directors and members of the N.E.A.F.C. my grateful appreciation for the honor they conferred on me in holding the Testimonial Dinner at the Hotel Bradford, Boston, on December 15, 1943.

Words cannot express the pleasure and satisfaction it has been to me all these years to be taken into the confidence and offered the unstinted friendship of your members. The memory of the many happy gatherings I have attended, and the cordial reception always extended to me will live in my memory as the most pleasant epoch of my career.

While time has intervened and brought about a change in my activities, I still at heart live over the happy experiences in the Fire Service. May that Divine Providence Who shapes our destinies bestow on the members of your splendid organization the recognition they so richly deserve for their devotion to duty and sacrifices in behalf of their fellowmen.

With every best wish,

Cordially yours,
signed: Vincent C. Stanley.

The secretary reported the following deaths in the Association since our last meeting, and that where time permitted floral tributes were sent with letters of sympathy.

Chief James R. Wiltse, Elm Forest Fire Co. #1, East Haven, Conn.

Died Aug. 20, 1943

(We did not hear of this death until Mar. 6, 1944)

Stephen C. Garrity, Ex-State Fire Marshal, Lowell, Mass.	"	Dec. 25, 1943
M. P. Sullivan, Sullivan Badge Co., Boston, Mass.	"	Jan. 2, 1944
C. D. Stewart, American LaFrance Fire Eng. Co., N. Y.	"	Jan. 24, 1944
Chief Franklin C. Mulock, Weston, Mass.	"	Feb. 20, 1944
John Campbell, Reading, Mass.	"	Mar. 8, 1944
John T. Nicolls, Ex-Chief, Malden, Mass.	"	Mar. 8, 1944
Fred A. Leonard, Ex-Chief, Taunton, Mass.	"	Mar. 12, 1944

On motion of Chief Cote it was voted to contribute \$25.00 to the 1944 Red Cross War Fund.

A report made by Chief French indicated that the widow of one of our members was in need and suggested that a donation be made from our Treasury for her use. On motion of Chief Scanlon it was voted that a donation of \$100.00 be made for the case as outlined by Chief French for immediate use to be spent under the direction of Chief French, and to await his suggestion for further assistance.

Here followed discussion regarding the conference. A letter was read from Joseph B. Eastman, Director of the Office of Defense Transportation regarding the gasoline situation in relation to the conference, and suggesting that unless our conference was essential to the War Effort that we cancel as a method of conserving

THE BRIDGEPORT CASTINGS CO.



**250 NORTH AVENUE
BRIDGEPORT, CONNECTICUT**

THE LINDQUIST HARDWARE CO.

WHOLESALE & RETAIL DEALERS IN

Builders' Hardware and Mill Supplies

383 FAIRFIELD AVENUE

256 CANNON STREET

BRIDGEPORT, CONNECTICUT

Bridgeport Thermostat Company

I N C O R P O R A T E D



BRIDGEPORT, CONN., U. S. A.

The James COULTER Machine Co.

*Specialists in the Design and Construction
of Special Automatic Machinery*

BRIDGEPORT,

CONNECTICUT

... WEED TIRE CHAINS ...

have served fire fighters faithfully ever since the adoption of motorized equipment. When you buy tire chains specify WEED AMERICAN Bar Reinforced for greater traction and more than double the mileage of ordinary chains.

American Chain & Cable Company, Inc.

BRIDGEPORT, CONNECTICUT

BOSTON OFFICE — Park Square Building



CHIEF M. J. HAYDEN
Bridgeport, Conn.

Bridgeport-People's Savings Bank

FAIRFIELD COUNTY'S LARGEST BANK

MAIN AND STATE STREETS

BRIDGEPORT, CONN.

Phone 6-2109

Cable Address, Brimodel

BRIDGEPORT MACHINES, Inc.

Formerly The Bridgeport Pattern and Model Works

Manufacturers of

BRIDGEPORT HIGH SPEED MILLING ATTACHMENTS
TURRET MILLING MACHINES

52 REMER STREET

BRIDGEPORT, CONN.

COMPLIMENTS OF

STAR RESTAURANT & GRILL

Liquors, Wines, Beer

AND FOOD

AT ITS BEST

200 FAIRFIELD AVE.

BRIDGEPORT, CONN.

COMPLIMENTS OF

MOORE SPECIAL TOOL CO.

740 UNION AVE.

BRIDGEPORT, CONN.

THE STEVENS PAPER MILLS, INC.

WINDSOR - CONN.

Mills at WESTFIELD, MASS.; SOUTH HADLEY FALLS, MASS.

gasoline. The letter was discussed at length. All agreed that it was important and essential as a post-war effort, and on motion of Chief Potter it was so voted.

A letter was read from Art Baker of International Association dated Mar. 9, 1944, in which he suggested we change our conference dates if necessary so as not to interfere with International dates. No action was taken as we did not believe conferences held two months apart would conflict with each other.

On motion of the Secretary it was voted to arrange our conference at The Balsams for June 27, 28 and 29. On motion of the Secretary it was voted that a committee of three be appointed to select and arrange for topics and speakers. On motion of Chief Koltonski it was voted that Chief Sanborn be Chairman of the Topics Committee, also voted that Chief Cote be a member of this committee and Chief Scanlon was voted a third member. For the benefit of the committee the names of Major Johnson and Mayor Frawley of Lynn were suggested to the Committee for consideration as speakers, suggested by Pres. Lawton and the Secretary.

On motion of Chief Koltonski it was voted that a committee of three be appointed to consider the advisability of having an Exhibit Committee to have full power and use their best judgment. Chiefs Daniel Tierney, William C. Mahoney and Arthur Spring were appointed.

On motion of the Secretary it was voted that Mrs. Selden R. Allen be appointed Chairman of Ladies' Committee and select her own aides, with full power to carry on a program for the Ladies.

On motion of Chief French it was voted that solicitation of gifts for the Ladies be left with the Ladies Committee.

On motion of the Secretary the following were appointed a committee of reservations and registrations: Chiefs Sanborn, Koltonski and French.

Voted on motion of the Secretary that Chief French contact New Hampshire Fire Insurance Companies and see if he can secure convention badges from them in same manner as in 1940.

On motion of Chief Cote it was voted that American Fire Equipment Co. be given authority to provide the programs and that credit be given both of above in the program.

On motion of Chief Sanborn it was voted that we take up with The National Board of Fire Underwriters the possibility or advisability of sending their monthly pamphlet or bulletins to our members in the same manner as they are now sent to International members—all to be done under our own heading. This motion to include Factory Mutual bulletins, how we can obtain them and what the probable cost would be.

Voted that any other subjects not considered here and that would need immediate attention be taken care of by the Secretary.

Voted to adjourn 10:30 P.M.

Secretary.

May 16, 1944.

The fourth meeting of officers and Directors was held on the above date at The Parker House. The meeting was called to order at 8:30 P.M., by President M. W. Lawton, with the following present: Chiefs Payson, French, Koltonski, Scanlon, Cote, Potter, Directors; Chief Berquist of Berlin, N. H., Chief Allen, Chief Tierney and the Secretary.

Also present were a group of Ladies headed by Mrs. Allen representing the Ladies Committee for the Balsams Conference.

THE H. O. CANFIELD CO.

BRIDGEPORT RUBBER WORKS

MANUFACTURERS OF
Mechanical Rubber Goods

BRIDGEPORT, CONN.

The McCathron Boiler Works Co.

SMOKE STACKS, TANKS, HEATING BOILERS, STRUCTURAL
SHEET IRON, STEEL AND ALLOY PLATE WORK

Welding All Types • Jobbing and Repairing • Lead Burning

72-76 KNOWLTON STREET

BRIDGEPORT, CONN.

Telephone 3-3622

COMPLIMENTS OF

BRIDGEPORT GAS CO.

BRIDGEPORT, CONN.

Plenty of water at high pressure is
the fire fighters first line of defense

BRIDGEPORT HYDRAULIC CO.

NEW ENGLAND ASSOCIATION OF FIRE CHIEFS

Records of the previous meeting were read and approved. The Secretary reported the following deaths since our last Directors' meeting:

Everett I. Patt, Lieut., Central Falls, R. I.	Died Mar. 14, 1944
Chief R. W. Henderson, Thomaston, Conn.	" Apr. 1, 1944
Ex-Chief George L. Johnson, Waltham, Mass.	" Apr. 12, 1944
James E. Moloy, Former Forest Warden, Woburn, Mass.	" May 10, 1944

Discussion followed here regarding a suitable gift from the Association to be given the Ladies attending the conference. Some proposed gifts were on display and the ones selected were small china miniatures of historical New England personages.

Entertainment program was discussed and Chief Berquist of Berlin stated he believed he could give us about the same type of program that was provided in 1940, which would include demonstrations of logging work, of folk dance and camp entertainment. On motion of Chief French it was decided to work with Chief Berquist along these lines and provide fitting entertainment for one evening.

The program was outlined by Chief Sanborn and appeared to be one of interest, and stated it would be ready in time to publish to send out to the members.

On motion of the Secretary it was voted to authorize Charles Madden to procure films and necessary equipment and be prepared to take the usual pictures at the conference. The Secretary was authorized to send out a suitable letter to the members asking for gifts to be presented at the Banquet.

On motion of Chief Scanlon it was voted to authorize the Secretary to purchase souvenirs for the Ladies as already outlined.

On motion of Chief Scanlon it was voted to authorize the President and Secretary to carry on until the conference, to complete the arrangements for the Balsams meeting.

The meeting was adjourned at 10:15 P.M.

Sec'y.

PRESIDENT LAWTON: I will now introduce Chief Paul P. Heinz, of the New Haven Fire Department, as our next speaker.

PAPER ON NEW HAVEN FUR STORAGE FIRE

September 24, 1943

Presented at New England Fire Chiefs Conference

Dixville Notch, N. H., June 27, 1944

By CHIEF PAUL P. HEINZ, New Haven, Conn., Fire Department

On September 24, 1943, at 6:53 A.M., the New Haven Department received a call for a fire in a fur storage establishment which resulted in a loss to the contents of approximately \$3,000,000.00, and a slight building loss. It was an unusual fire to fight because of the type of building construction, the use of occupancy, and the method of storage, together with the fact that our department, upon arrival, had no knowledge whatever of the general conditions or circumstances within the building. (Lack of manpower had resulted in curtailment of inspections, etc.)

The building was approximately 34x50, three stories in height, reinforced concrete construction and had been designed originally for ordinary furniture storage. There-

A. HANDLEMAN CO.

Dealers for 43 years

JUNK, SCRAP IRON AND METALS



**208 HOUSATONIC AVE.
BRIDGEPORT, CONN.**

Musante, Berman, Steinberg, Company,

INCORPORATED

FRUIT AND PRODUCE



**42-48 MIDDLE STREET
BRIDGEPORT, CONN.**

COMPLIMENTS OF

UNITED PATTERN AND MODEL CO.



70 CHERRY STREET BRIDGEPORT, CONN.

Peerless Unit Ventilation Co., Inc.

MANUFACTURERS OF

*Peer Vent Heating and Ventilating Units
Peer Heat Unit Heaters*

BRIDGEPORT

CONNECTICUT

fore, the structure was not provided with any windows, and the only openings were at the various floor levels where there was a heavy metal door equipped with a sturdy tumbler lock.

Had this building remained in its original state of construction, it is my opinion that the matter of extinguishment would not have required the use of water in any great amount. The floor area on which the fire originated could have remained closed up from the rest of the building, and during the period of combustion no doubt the oxygen content of the room would have been reduced to the point where combustion would not be supported. However, the structural conditions and physical changes had been altered and made.

The building had been leased to a Fur Storage concern, and it was then necessary to provide adequate refrigeration throughout the entire building and proper air circulation for the refrigerated air. To accomplish this, grill openings and ducts were installed in and about the several floor areas. The grills allowed the recirculation of the cool air and the ducts permitted the cold air to be carried throughout the building by one Compressor unit in the basement.

This of course, was a less expensive system, but created a more serious fire hazard. In other words, the entire principles and fundamentals of fire-proof construction were defeated by reason of the unprotected duct and grill openings.

The main and only entrance to the inside stairway of the building was by a heavy vault-type door, provided with a combination time lock. Upon the arrival of the department, they were met with this obstruction, and because the fire was spreading slowly due to the tightness of the building and the compact storage of the garments, the Chief Officer in charge notified the burglar alarm protection office to come down to the plant and open the time lock vault door. This entrance gave way only to the inside stairway and elevator enclosure. About 15 feet inside the vault door the department was met with another heavy metal door with tumbler locks and behind this door was a swinging metal door, which was not secured.

After the opening of these two doors, the second problem facing the department was the method used in storing the garments. It was estimated that over 30,000 coats were stored in the three small floor areas, and packed from floor to ceiling and from wall to wall, leaving no passageway or overhead room in which to operate hose lines. The heavy dense smoke created by the burning fur coats, greatly hindered fire fighting operations. Many men were overcome by monoxide gas. Some were treated at the fire by inhalators and resuscitators while others were taken to the hospital for treatment. However, no serious injuries resulted. Men were forced back to the window openings in the stairway for air. One fireman attempted to enter the storage space by forcing his way through the closely stored coats, and after some difficulty caused by coats falling off the racks and covering him, he was able to find his way out of the maze before being suffocated. Because of this incident, it was apparent that a smoke condition, rather than a high temperature situation, hindered the operations of the firefighters, and it further indicated that it was more or less of a smudge type burning.

As the condition continued naturally the situation became more difficult to contend with—more smoke, heat and gases being generated.

Subsequent to the arrival of the Department, an opening was made in the roof, and hand lines and cellar pipes were employed. According to reports received, sometime in the afternoon a suggestion was made to pierce the brick walls from the outside and cool off the materials from these points. This was accomplished by the use of

The A. H. Nilson Machine Co.

Special and Automatic Machinery



BRIDGEPORT

CONNECTICUT

COMPLIMENTS OF

THE BRIDGEPORT HOUSING CO.

BRIDGEPORT, CONN.

COMPLIMENTS OF

LA RESISTA CORSET CO.

BRIDGEPORT, CONN.

CITY LUMBER COMPANY

LUMBER MILLWORK

MASON SUPPLIES

75 THIRD STREET

BRIDGEPORT, CONN.

an air drill, and the operation took about one hour after the guns were secured. Two holes were made—the wall being breeched in the rear on the ground floor, and on the side at the second floor, from a garage roof. The heavy air gun had to be operated from a horizontal position; therefore, a rope sling was arranged supporting the gun from the roof and the hole made from a ladder. Once the openings were completed, the men proceeded to pull out the coats from their hangers and open spaces were made to operate hose lines. This continued for many hours, and the last company left the scene of the fire the following day at 9:15 P.M., a total of 38 working hours. At no time during the fire were smoke masks used.

The first alarm was received at 6:53 A.M., and the second followed at 7:15 A.M., calling a total of 6 engine companies and 3 hook and ladder companies, with about 45 men, to the scene.

Although this fire resulted in a high loss, due to the high value of the merchandise involved, our department learned some very important lessons from this experience. I believe that should we again be confronted with a similar circumstance, our method of attack would be somewhat changed to minimize loss of contents and lessen the time of operations before bringing the fire under control.

These suggestions will be made after the showing of some slides by Mr. Keenan, our photographer. These pictures were taken at the time of the fire; some were photographed several days after the fire; and some are reprints from a 16 mm. moving picture at the time of the fire.

Mr. Keenan, who is a resident and taxpayer of New Haven, is very much interested in the fire fighting service of our city and is generally known as the official photographer of the New Haven Fire Department (without compensation). At this time I will present Mr. Hugh A. Keenan and ask him to proceed with the slides. Mr. Keenan.

Excellent slides of great educational value were shown and explained by Chief Heinz.

LESSONS LEARNED FROM FIRE:

(1) Unprotected openings in areas of fireproof construction will completely destroy the value of this type of construction.

(2) Ducts and grill work for air distribution and circulation, serving two or more floor areas, will likewise destroy the intent of fireproof construction.

(3) Fans which force air through duct work serving two or more floors should be arranged to shut off automatically with a sudden rise in temperature.

(4) The danger of fire spread can be reduced in duct work by the installation of fire dampers and fire resistant enclosures.

(5) Electrical equipment in occupancy of this type should be regularly inspected and checked and kept in first-class condition. Extension lights in garment storage should be avoided and incandescent lights should be protected by wire cages, so that the heat generated will not come in contact with flammable garments.

(6) This type of occupancy should be sprinkler-protected, or protected by some inert gas system automatically operated.

(7) In windowless buildings it is important that adequate aisle space is provided to allow room for fire department operations. Also, the matter of inspection is important in this type of construction. Fire Departments should be kept informed as to the conditions and circumstances within buildings of this type.



BACKED BY HUGE SERVICE FACILITIES

MACK MOTOR TRUCK COMPANY

Boston, Mass.
75 No. Beacon St.

Hartford, Conn.
Windsor and Sanford Sts.

Manchester, N. H.
549 Second St.

Worcester, Mass.
306 Belmont St.

New Haven, Conn.
72 Orange Ave.

Portland, Me.
18 Bedford St.

Bridgeport, Conn.
3240 Fairfield Ave.

Waterbury, Conn.
1144 So. Main St.

Springfield, Mass.
18 Osborne Terrace

Providence, R. I., 630 Broadway

ELEVATORS

DUMBWAITERS

FIRE DOORS



Residence and Hospital Elevators



GEO. T. McLAUTHLIN CO.

120 FULTON STREET

BOSTON, MASS.

Since 1847 "Products of Experience"

FENWAL INCORPORATED

ASHLAND

MASSACHUSETTS



Accurate and Dependable

ELECTRIC HEAT CONTROL

D. M. WESTON & CO., INC.

Rigging Contractors

Specialists in Moving All Kinds of Machinery,
Safes, Boilers, Tanks, Engines, Etc.

228 SOUTH WATER STREET

GARRISON 7567

STORES THROUGHOUT GREATER BOSTON

Phone MIDDLEsex 6500

COOLIDGE CLEANSERS, Inc.

Cleanders and Dyers Since 1902

Plant and Main Office

110 COOLIDGE HILL ROAD

WATERTOWN, MASS.

FARRAR COMPANY

Manufacturers of Fire Apparatus

Direct factory representatives in New England for
Barton-American Duplex Multistage and
Barton Front-Mounted and Portable Fire Pumps

WOODVILLE

MASSACHUSETTS

Telephone Hopkinton 266

FIRE DEPARTMENT SUPPLIES, HOSE AND EQUIPMENT

EASTERN TOOL & DIE, INC.

Manufacturers



**1520 STATE STREET
BRIDGEPORT 5, CONNECTICUT**

Fire Alarm Systems



CONNECTICUT TELEPHONE & ELECTRIC CORPORATION

Meriden, Connecticut

ESTABLISHED 1894

The Coulter & McKenzie Machine Co.



**771 WATER STREET
ADJOINING RAILROAD STATION**

BRIDGEPORT, CONN.

U. S. A.

NORTON C. WHEELER, Pres. & Treas.

OSCAR R. COTTRELL, Secretary

JOHN R. WHEELER, Asst. Treas. & Supt.

THE STANDARD MACHINERY CO.

Special Machines Designed and Built to Order

PRESSES FOR MOULDING PLASTICS

BOOKBINDERS' MACHINERY

PRESSES FOR STAMPING, EMBOSSING & DIE CUTTING

ROTARY BOARD CUTTERS

MYSTIC

CONNECTICUT

(8) The use of smoke masks and breathing apparatus should not be neglected at any fire where entrance is difficult to gain. Masks should be used immediately upon arrival, and if unable to locate the fire, then walls should be breeched at once.

(9) Piercing of walls in windowless buildings is a good method of attacking a stubborn fire, but this should be accomplished within the first hour of operations and only after smoke masks have failed.

Conclusion

The cause of the fire was attributed to a 75-watt bulb, unprotected, resting on fur garments.

I personally believe that there is room for vigorous and strict requirements on the part of the insurance inspectors in buildings storing high value merchandise and having grill openings and ducts.

When buildings of this type are not easily accessible, proper and reasonable safeguards should be made for fire prevention and fire extinguishment.

There should also be a better understanding and closer cooperation between Fire Departments and Insurance Companies concerning risks of this nature. Fire losses reaching this proportion are no credit to any fire department, and certainly have no financial value to an insurance organization.

CHIEF O'HEARN: I move that the paper of Chief Heinz be received and made a part of the record, and that we extend our thanks to him for his very instructive talk on that fire.

Motion seconded.

PRES. LAWTON: Any remarks? If not, all in favor of that motion will say aye; opposed, no. It is a vote.

I want to announce a change in the program. We had Francis J. Allen, Special Agent of the National Board of Fire Underwriters, scheduled to speak this morning after Mr. McGuire, the next speaker. Major Johnston, Chief Fire Defense Section, Office of Civilian Defense, Boston, was to speak to us Wednesday afternoon, but as he has to return to Boston tonight, Mr. Allen has given up his place on this afternoon's program to Major Johnston and Mr. Allen will speak tomorrow.

The next speaker is J. J. McGuire, Federal Bureau of Investigation, U. S. Department of Justice, who will talk to us on "Detection of Sabotage and Arson in the Laboratory."

DETECTION OF SABOTAGE AND ARSON IN THE LABORATORY

JOHN J. MCGUIRE, *Federal Bureau of Investigation*

Washington, D. C.

Mr. President and Gentlemen of the New England Association of Fire Chiefs:

It is a pleasure indeed for me to participate in this twenty-second annual conference of the New England Association of Fire Chiefs and to bring you the personal greetings of Mr. John Edgar Hoover, Director of the FBI. No one appreciates more than Mr. Hoover the splendid cooperation extended by our nation's fire fighting officials to law enforcement, particularly during this war period. While we have not had one single act of foreign directed sabotage in the United States to date, men such as you know only too realistically the tremendous damage that can result from the acts of the professional arsonists, "Thrill saboteurs," pyromaniacs, and the acts of the prankster, the careless worker and the unsupervised youngster. It is that common

NEW ENGLAND ASSOCIATION OF FIRE CHIEFS

S. B. PALMER, President

A. M. BROWN, Vice-President

O. E. WULF, Chairman of Board

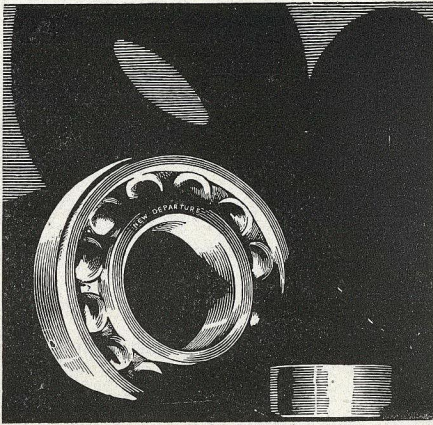
W. F. LESTER, Secretary

A. L. PEALE, Treasurer

P. W. FRANKLIN, Ass't Sec'y

Incorporated 1840

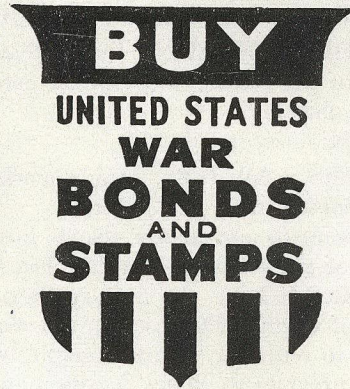
**New London County Mutual
Fire Insurance Company
OF NORWICH, CONN.**



FORGED FOR ENDURANCE

To get greatest strength, endurance and uniformity—essential qualities in anti-friction bearings—New Departure forges both race rings and balls. New Departure, Division of General Motors, Bristol and Meriden, Conn.

**NEW DEPARTURE
BALL BEARINGS** 2894



Raybestos
AMERICA'S
BIGGEST SELLING
BRAKE LINING



YOUR 2 BEST FRIENDS for HIGHWAY SAFETY

bond of protection of the home front that has united the two great services of police and fire protection to the public, and I am very frank in stating that we in law enforcement have learned much to the improvement of our work from you gentlemen. We hope that some of our observations may prove of assistance to you.

For example, the public is very proud of its fire departments, mainly due to the far-sighted wisdom of fire administrators in making their stations open to the public to view the spic and span equipment. Law enforcement has generally been late in recognizing the value of public interest in its personnel and equipment and only recently have police stations been opened up for inspection.

Your profession has proved conclusively the value of fire prevention. Again we have learned this valuable lesson from you and indeed, fire chiefs across the nation are doing a magnificent job in lending their advice, counsel, and wisdom to crime prevention programs that have been recently instituted to stem the rising tide of juvenile crime. Thirty per cent of the arsonists arrested and fingerprinted last year were youngsters under 21 years of age. Unfortunately, neglected children cannot be patched up like neglected buildings. But like fire, incipient crime can be stemmed by prevention and programs designed along such lines occupy our mutual interest.

When the history of World War II is written, I wonder sometimes whether there will be a dark chapter, an inglorious account of failure and defeat on one of the battlefronts of the world. When we realize that there are 27 criminal homicides each day and youth accounts for 13 per cent of the murderers arrested, 514 car thefts daily and kids are 65 per cent of the thieves, 55 per cent of the burglars and 39 per cent of the robbers, we may well wonder whether the adults of America will some day be indicted for losing in a very real sense the battle for freedom and security for America and for the world by reason of the development of a section of our population devoid of a real sense of decency and right living. That is why Mr. Hoover has always appreciated the unselfish and determined work of fire chiefs in working constantly to reduce great fire loss and wastage in the U. S.

In the FBI Laboratory at Washington, we have made many scientific investigations during the past few years in cases of reported sabotage in war plants. They usually were acts of disgruntled or psychopathic employees, or horseplay, like the Detroit worker who burned to death a fellow worker by giving him a hot foot. We have found that many of the clues and investigative procedures in these sabotage cases have been quite similar to those whom we have always found in certain types of arson cases. Arson in itself may be an act of sabotage, but what we are concerned with here is some of the same scientific analytical procedures applied to the investigation of sabotage cases in which arson is NOT involved, which can frequently be useful in establishing proof in cases of suspected arson.

Arson is one of our most diabolical crimes. Elusive and intangible it defies statistical analysis and recording. The problem of proof is staggering. In fact it is a well accepted rule of law that in arson cases every fire is presumed to be of accidental origin. This presumption has to be overcome before the State can successfully make out an arson case. In other words, the State must be able to prove the body of the crime first. Even though a confession may be obtained it is generally necessary to introduce evidence of the body of the crime before the confession of the accused can be introduced. Once this corpus delicti is established in an arson case, every fact or circumstance tending to throw any light on the case is usually admissible as evidence against the accused.

Compliments of

**Potter & Johnson
Machine Company**



PAWTUCKET, RHODE ISLAND



NEW ENGLAND ASSOCIATION OF FIRE CHIEFS

NEW YORK OFFICE
303 FIFTH AVE.

CUBAN OFFICE
HABANA, APARTADO 1955

Compliments of
UNCAS MANUFACTURING COMPANY

"America's Largest Ring House"

623 ATWELLS AVENUE

PROVIDENCE

RHODE ISLAND



Chief THOMAS H. COTTER, Past President, Providence, R. I.

OUR COMPLIMENTS

M. A. GAMMINO CONSTRUCTION CO.

728 VALLEY STREET

PROVIDENCE

RHODE ISLAND

HEY! THAT'S NO
JOB FOR A HOSE!



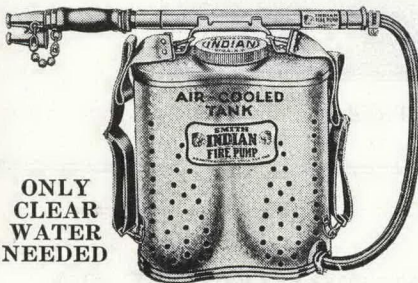
INDIAN

**Fire Pumps save
Laying Hose on 40%
of Your Calls**

Think what that Means! No fire fighting apparatus has greater speed and all 'round use than **INDIAN FIRE PUMPS**. If you never used **INDIANS** you'll wonder how you ever managed without them. Over 70% of your calls can be handled with **INDIAN FIRE PUMPS** alone. Rust-proof 5 gal. tank carries by handle or slung on back, thus permitting operator to move about quickly without having to stop and pick up the extinguisher. No chemicals — only clear water.



Use **INDIAN FIRE PUMPS** to make short work of all kinds of inside and outside fires. Save time, money and effort with these famous hand pumps. Order now or send for catalog.



**ONLY
CLEAR
WATER
NEEDED**

D. B. SMITH & CO.

450 MAIN STREET

UTICA, NEW YORK

A TYPICAL COMMENT

From an Indian Fire Pump User

Rochdale, Massachusetts
May 2, 1944

D. B. Smith & Company
Utica, New York
Gentlemen:

We were both fortunate and foresighted enough to purchase 60 of your Indian Fire Pumps and they have shown their worth many times and have helped save our property and woodlands on numerous occasions.

Only today we were able to prevent with the Indian Fire Pump great destruction to our homes and forests. The writer recommends their use by any fire department.

Indian Fire Pumps are worth their weight in gold. We highly recommend them and, with proper care, they truly are "A ONE-MAN FIRE DEPARTMENT."

Sincerely yours,
CHESTER C. WOODCOCK
Fire Chief

In arson the problem is doubly difficult because the crime is only discovered when the criminal has bungled the job, or the investigators have handled the case more diligently than the carefully planned strategy of the arsonist. It is not like other crimes where the evidence is usually apparent. In robbery, assaults, kidnapping, the victim is vividly aware of his loss, the crime is discovered at once and the police informed. But in arson we have the peculiar problem of not an unsolved crime, but an undiscovered crime. By the same token we have no way of knowing or in fact of even estimating the extent or number of these undiscovered crimes or what they are actually costing us. Some fires are reported as accidents and we could well add to the report that there was no sign of arson having been committed. Actually this does not mean arson did not occur. As a matter of fact, the arsonist will devote every effort to making his fire appear to be an accident. Therefore, the more successful he is as an arsonist the more plausible will seem the verdict of accidental fire. The arsonist is defeated, therefore, when he cannot compete with the skill and thoroughness and righteousness of the law enforcement agencies of society who are pledged to avenge all crimes.

This scientific investigative procedure is not by any means confined to the laboratory analysis by scientists. It must begin at several other points of origin, for instance, the scientific record keeping and coordination of data wherein those who take out policies with the sole motive of subsequent arson may be detected by their repetition, by their over insurance, by duplication of insurance, etc. Statistical studies which uncover suspicious losses occurring in particular locations or under policies handled by particular persons may serve to uncover conspiracy involving insurance representatives.

At the scene of the fire a scientific procedure on the part of the investigator is necessary if later laboratory analysis of suspected evidence is to be made.

For instance, the investigator at the scene of the crime should not take things for granted. He should go beyond the ordinary requirements of his report writing. He should take samples where necessary and where he believes it would be helpful. Where use of petroleum derivatives is suspected as an arson accelerant a sample should be taken of partly burned debris at the approximate point of origin of the fire. If volatile inflammables are suspected, these samples of debris should be tightly closed in quart glass mason jars with tightly sealed covers, all properly labeled and preserved.

A thorough raking through the debris around the point of origin of fire is frequently indicated, and metal carts of contraptions used to begin a fire will sometimes be found. These can frequently be traced in the Laboratory. Those that are home made can often be identified with similar metal stock from the cellar work bench of the suspect. This type of tracing and identification has been made many times in the FBI Laboratory in cases involving the construction and use of home made bombs and infernal machines.

In a very recent case of this kind a guard in a war plant, endeavoring to make a hero of himself, suddenly and with much commotion rushed from the plant carrying a smoking bomb which he had supposedly discovered in a vital area. The bomb was successfully doused and upon opening was found to contain a substantial charge of dynamite and what appeared to be an effective clock work mechanism. The bomb was set to explode at 11:00 and the time was then 10:50. The guard was duly acclaimed for his heroism, but a quiet investigation was started with a view to tracing out the materials used in the construction of the bomb. Invariably in



**THE PROVIDENCE MUTUAL FIRE
INSURANCE COMPANY**

INCORPORATED 1800

PROVIDENCE

RHODE ISLAND



**W. J. HALLORAN
TRUCKING AND RIGGING
CONTRACTORS**



Low - Carryall - Trailer Service - Crane Service

**A TRUCK FOR EVERY SERVICE
— 125 UNITS —**

Winch Trucks - Dump Trucks - Pole Trailers
Van Trailers



I. C. C. Docket M. C. 14670

303 CHAPMAN
If no answer

Williams 5973
Hopkins 9304

utilizing clock work mechanisms in home made bombs it is necessary to do a small amount of alteration, adjustment and rebuilding of the clock. An exception is the case of the eight Nazi saboteurs where devices were especially made. This permits scientific comparisons of metal stock and of tool marks made during the change-over process. In this particular case it was possible to not only match metal stock found in the home of the guard with metallic parts of the bomb, but it was also possible to positively identify the microscopic markings left by his metal shears when he trimmed the metal face of the clock used. Pieces of wood in his workshop were matched with wood parts in the bomb. Following the Laboratory investigation and report the guard confessed that the whole thing was a hoax perpetrated by himself.

Any such bits of metal or other objects for which there is no natural explanation should be preserved for later identification.

The direct use of scientific procedures and appliances at the scene of the crime in suspected arson cases has definite possibilities. This scientific investigation, however, should only be undertaken by an investigator who has made some study and has a considerable appreciation of laboratory procedures, although he need not necessarily be a trained chemist or physicist. It should also be remembered that such scientific tests at the scene of the crime are preliminary only and should be confirmed by subsequent Laboratory analysis.

The use of ultra-violet light particularly at the scene of a fire for the purpose of detecting evidence of the use of inflammable fluids has been advocated.

FBI Laboratory experiments have been successfully conducted along these lines. Mixtures of motor oils, linseed oil and various other oils were prepared with several gasolines and kerosenes and it was noted that these mixtures fluoresce to varying degrees. Pieces of wood, paper, felt, cloth, etc., partially saturated with these solutions were found to likewise fluoresce. This fluorescence persists when the material has been charred or partially burned provided the burning has not been complete, that is, where it has not been carried to the point where the inflammable fluids are completely carbonized.

Even more significant, however, has been the discovery that as the burning progresses along a surface which has been saturated with these inflammables, the heat of the fire will vaporize the volatile fluids which will then condense again on parts of the material which have not been subjected to excessive heat. For instance, dipping one end of a stick in an inflammable fluid and observing the action under the ultra-violet, when subjected to fire or heat the fluorescence may seem to progress through the stick away from the heated area. This may be very important where volatile mixtures of fluorescent fluids may be distilled on to other objects and surfaces adjacent to the one originally saturated and burned. Also it is indicative that the accelerant fluids may be driven down deep below the surface so that if the top surface is burned to such a degree that no fluorescence is observed it may still be found below the surface by cutting away the charred portions and testing the unburned wood just beneath. In these instances the use of ultra-violet should be helpful in detecting the presence of the fluid.

Such utilization of ultra-violet can only be considered preliminary testing which must be further investigated in the Laboratory to determine the nature of the fluorescing substance.

Some of the complex coal tar dyes, which are soluble in oils such as kerosene and gasoline, have been suggested as means for determining the presence of in-

Tel. GAspee 2887

I. CAPALDI & SONS, Inc.

Public Works Contractors

—
**278 SILVER SPRING STREET
PROVIDENCE, R. I.**

JOHN F. GREENE CO., Inc.

Printers and Offset Lithographers

55 PINE STREET

PROVIDENCE, R. I.

•
PHONE GAspee 9434

E. A. JOHNSON COMPANY

Roger Williams Press

—
71 PECK STREET, PROVIDENCE 3, R. I.

GAspee 4800

CHAS. H. PHILBRICK, Inc.

Insurance and Real Estate

Established 1890

•
**146 WESTMINSTER STREET
PROVIDENCE, RHODE ISLAND**

flammable oils in the charred remains of a fire. Such an oil soluble dye is Sudan III. This dye is sprinkled over the burned areas and allowed to remain for at least twelve hours. The excess dye is removed with a fine brush and the wood examined. If oil such as kerosene is present in the wood, the dye will have colored those portions of the wood containing kerosene a bright red color. Portions of the wood not containing kerosene will not be stained red. Again, it may be found useful to cut away the surface char and apply the powders to the unburned wood. Of course, the powder process is applicable to materials other than wood.

The oil soluble dyes can be used to sprinkle on floors and walls immediately surrounding a fire for the purpose of detecting any unburned kerosene spots, thereby making their photography much simpler.

The possibility of the use of incendiary pencils of a more professional type would be used primarily by enemy agents in starting sabotage fires. The chemical action type has now reached the point where they can be set for periods of time usually ranging from 15 minutes to several hours and with a considerable degree of accuracy. In addition the professional clockwork type of delayed action fuse can be accurately set in half-hour periods up to a total time of several days.

The FBI Laboratory maintains a reference collection consisting of a goodly number of different types of these various incendiary pencils. Many are constructed of such metal parts that traces of them can frequently be found after the fire. In such instances identification of the type can usually follow. Other types, however, are manufactured of material such as inflammable plastic or celluloid with the idea of being consumed in the flames.

Sometimes fires are set to resemble electrical accidents as from defects in electric wires. A good number of cases of other types have been solved in the FBI Laboratory by identifying a particular pair of wire cutters used to sever wire. Sometimes these are burglary cases where the telephone cord is cut, sometimes they involve the wholesale theft of wire along the highway. The principle of microscopic identification of the fine irregularity of the jaws of wire cutters as left in the ends of the wire could readily be applied to any of these arson cases in which electric wires were cut.

In other sabotage cases investigated in the FBI Laboratory, abrasives of various sorts had been introduced into important bearings in order to injure or jam up the machinery. This same form of sabotage may conceivably result in fire from over-heated bearings. In many of these instances, abrasives have been successfully identified through petrographic examinations and frequently it has been possible to compare them with the different sources of supply in and out of the factory as a helpful aid in the solution of the case.

In all instances while at the scene of the fire adequate samples of the burned material, particularly wood on which the inflammable fluids may have been placed, should be prepared as previously stated for transmittal to the Laboratory.

In the Laboratory it may be possible to actually recover very minute quantities of liquid gasoline or kerosene from the partially burned wood. This is done by a process known as steam distillation. If even as much as one-half drop of the inflammable liquid can thus be recovered many of its physical properties such as boiling point, refractive index and specific gravity can be determined by micro-chemical analysis. It may even be possible in some instances to detect the presence of lead such as would be in a high test gasoline and other helpful identifying factors.

COMPLIMENTS OF

G. L. & H. J. GROSS, Inc.

All Kinds of Insurance



170 WESTMINSTER ST.

PROVIDENCE

LANATEX CHEMICAL COMPANY

Dyestuffs and Chemical Specialties

**49 WESTMINSTER STREET
PROVIDENCE, RHODE ISLAND**



P. O. Box 422

Telephone GAspee 4197

RAYHILL & GREENE SUPPLY CO.

**Wholesale Dealers in
MACHINE SHOP, MILL AND CONTRACTORS**

TOOLS AND SUPPLIES

Phone GAspee 2245-6339

84 SHIP STREET, PROVIDENCE, RHODE ISLAND, U. S. A.

Telephone GAspee 5726

RHODE ISLAND PEARL COMPANY

Manufacturers of

INDESTRUCTIBLE PEARL NOVELTIES

45 RICHMOND STREET

PROVIDENCE 3, R. I.

It is almost inconceivable what exact findings can be attained with the new microchemical procedures. We should remember that one-half drop of the fluid is about 1/20,000 of a pint, yet it can be handled in the Laboratory and put through many of the regular chemical tests. Much of this testing has to be done under a low power microscope so that the reactions can be readily observed.

New microscopical methods are rapidly being developed and the immediate future may produce further techniques which will provide additional identification factors such as flash point and viscosity.

In fact, the future holds enticing possibilities in the scientific field. The newly developed electron microscope which readily produces magnifications of 100,000 times may furnish the means of analyzing smoke smudges to determine whether celluloid or other fast inflammables have been burned. Other future promises of science include the possibility of taking samples of the air in the room immediately following the fire. The presence of fumes from certain inflammables may thus be detected by absorption spectrographic techniques. The gases collected in this manner would be placed in a quartz absorption cell and the ultra-violet absorption characteristics of the material determined in the spectrophotometer. Successful applications of this method have been made in numerous instances, such as benzene and numerous hydrocarbons in the vapor state when present in very low concentration. Usually concentrations approaching the threshold of smell are quite easily analyzed, concentration of toluene ranging from 10 to 1000 parts per million by volume being readily detected. Although the literature on the subject does not refer specifically to gasolines and similar mixtures of inflammables, it is thought that in the future analyses of this type may assist in solving many mysterious situations at fires wherein the available evidence is sparse.

Further progress might well be made if the analysis of such vapors were similarly conducted with the mass spectrograph or an interference refractometer.

For years experienced Fire Marshals have been able to sniff and smell the presence of an arsonist and it is not too much to expect science to produce equipment and techniques whereby the sense of smell may be reduced to scientific accuracy and formula. Between microchemistry, spectrophotometric techniques and the electron microscope advanced progress is already assured.

We, of course, know that odors can be caused by extremely small concentrations of substances, and we can frequently detect the odor of gasoline, benzene, or other flammable materials although there may be extremely small concentration of the vapor. It has, in fact, been said on more than one occasion by some interested in the investigation of the causes of fires that there was present an odor of kerosene or some similar material, and the question therefore arises as to the possibility of scientifically confirming the presence of the material causing the odor.

Although this may have seemed fanciful a short time ago, the advances in a number of different fields now brings this not only into the realm of possibility, but work has already progressed to the point where extremely minute quantities of various gases can be detected. One application of this, although it is not connected to our present problem, is a test for intoxication where the air exhaled by a suspect is collected in a rubber balloon. The air is caused to pass through a chemical solution which detects quantitatively the presence of alcohol in an effort to show the extent of intoxication.

A more appropriate approach to the specific problem is the spectrophotometric analysis of gaseous mixtures. A recent paper published in connection with work on the toxicity of vapors has shown that ten parts per million by volume of benzene

T. & R. JEWELRY COMPANY

MANUFACTURING JEWELERS

RHINESTONE JEWELRY



NEW ADDRESS

430 KINSLEY AVENUE

PROVIDENCE, R. I., U. S. A.

NEW ENGLAND GLASS WORKS

Makers of Pearls, Rhinestone and Fashion Jewelry



**Main Office Providence
New York Showroom**

**150 CHESTNUT STREET
366 FIFTH AVENUE**

PROVIDENCE : R : I :

ADDRESS ALL COMMUNICATIONS TO THE PROVIDENCE OFFICE

CONLEY & STRAIGHT, INC.

Gold, Silver and Platinum

REFINERS, ASSAYERS, SWEEP SMELTERS



236 EDDY STREET

PROVIDENCE, R. I.

AMERICAN COIN LOCK CO., INC.



**453 COTTAGE STREET,
PAWTUCKET, RHODE ISLAND**

AIREDALE WORSTED MILLS, Inc.

Manufacturers of
WORSTED FABRICS

WOONSOCKET

119 CHAUNCY STREET

MAIN OFFICE

RHODE ISLAND

BOSTON, MASS.



Chief A. J. COTE, Board of Directors, Woonsocket, R. I.

THE BELL COMPANY

»—————»
WORSTED MANUFACTURERS

»—————»
WOONSOCKET, R. I.

JOHN F. BRADY, Inc.

ESTABLISHED 1893 — INCORPORATED 1924

Electro Deposits of Gold, Silver and Nickel



**FRIENDSHIP AND GARNET STREETS
PROVIDENCE, R. I.**

HELLER AND CO., INC.

Manufacturers of
GOLD RINGS



**116 CHESTNUT ST., PROVIDENCE, R. I.
Phone GAspee 5206**

A & Z CHAIN COMPANY

ESTABLISHED 1905

Makers of
DISTINCTIVE JEWELRY

**116 CHESTNUT STREET
PROVIDENCE, R. I.**

NEW YORK . CHICAGO . SAN FRANCISCO . KANSAS CITY

J. C. BRADY, INC.

Electro Deposits of Gold and Silver

**Electroplating and Finishing in All Branches for the
Manufacturing Jewelry Trade**

**82 CLIFFORD STREET, PROVIDENCE, R. I.
GAspee 8818-19**

40 Years' Experience Your Guarantee of Satisfaction

and toluene can be detected in the ultra-violet absorption spectrum. This was in spite of the fact that only a 500-cc. sample of air was used.

In addition to the work on benzene and toluene, many petroleum products have been explored to show that they can be detected as gases in the atmosphere.

If gasoline or like inflammables have been used there is often a good possibility that the container can be located. This provides a number of investigative possibilities from the Laboratory's standpoint. There may be fingerprints of the arsonist on the container.

Sometimes there may be some residue of the gasoline or fluid in the container and often Laboratory analysis of this residue will provide many helpful clues in identifying the specific liquid and sometimes in tracing it. For instance, many of our commercial gasolines today are individually identified by the manufacturer using colored dyes—the distinction between high test gasoline can be established, etc. The container itself can be frequently traced if such information would be significant in the solution of the crime.

One technique has been developed and successfully used in the FBI Laboratory which is directly applicable to some arson cases, and it concerns the identification of matches. There is a great deal of individuality in the match products of different manufacturers. The individual wooden type match may frequently be identified as to kind and traced as to the source. This includes accurate measurements of the match as well as examination of a tool mark left in the making process and, where the same is available, a study of the matchhead composition. Frequently matches are treated to prevent afterglow. Even more significant in some instances is the identification of the paper match. The FBI has had a number of cases in which used and partly burned paper matches have been positively identified with the paper match cover from which they were torn. This comparison of paper matches is very interesting and includes an examination of the paper composition, the color, the matching of the frayed torn end in some instances and in other cases a positive match where the machine knife cut the sides of the match from its mate in the paper cover.

Other FBI Laboratory procedures immediately applicable to some types of arson investigation problems include the examination and identification of footprints such as might be left on the roof of a building or in some significant place. The Laboratory maintains a comprehensive reference collection of rubber heel designs and the designs of other rubber footwear. Also as part of this collection are maintained the designs of automobile tires of the country. This permits an identification as to kind which is often helpful in tracing the shoe or tire to its retail source. However, more specific and individual identifications can be made when the shoe of a suspect is located and can be compared with the footprint. It is usually possible to prepare enlarged photographic charts on which can be clearly marked the salient points of individuality appearing in the footprint and on the shoe of the subject.

The Document Section of the FBI Laboratory has done a great deal of work on the reading, restoration and photographing of charred and partially burned documents, writings and records. This has a particular application to arson when the motive for the crime was to cover up book shortages or other financial difficulties.

Sometimes the purpose of the arson will be to cover up murder. Here toxicologists of the FBI Laboratory would be prepared to conduct tests of blood samples removed from the deceased to determine whether carbon monoxide was a factor in the

Anaconda Wire and Cable Co.

PAWTUCKET, R. I.

A. J. ANDREW, Prop.

P. O. Box 91

Pawtucket, Perry 0024—4564

PAWTUCKET STANDARD BRAID CO.

Manufacturers of

RAYON AND MERCERIZED BRAIDS

SHOE LACES, CORSET LACES, FLAT BRAIDS
SKIRT BRAID, LINGERIE BRAID, HERCULES

120 WEBSTER STREET

PAWTUCKET, R. I.

GOOD LUCK TO OUR

FIRE CHIEFS



Berkshire Fine Spinning Association

PROVIDENCE, R. I.

R. A. HURLEY

REAL ESTATE ADVISING

**SELLING, MORTGAGES, INSURANCE
AUCTIONEERING, APPRAISING, PROPERTY MANAGING**

GA. 7210

723 HOSPITAL TRUST BLDG., PROVIDENCE

death. This test is usually made subsequent to the usual autopsy conducted by local authorities and upon the suggestion of the medical man making the autopsy.

Moved that Mr. McGuire's paper be received and made a part of the records. Motion seconded.

PRESIDENT LAWTON: Any discussion? If not all in favor of that motion will say aye; opposed, no. It is a vote.

At this time I will ask Chief Spring of Laconia, N. H., Chief Potter of Greenwich, Conn., and Chief Berquist, of Berlin, N. H., to act as Committee on Courtesies.

We will now hear Major L. S. Johnston, Chief Fire Defense Section, OCD, Boston.

THE USE OF OCD FIRE FIGHTING EQUIPMENT

MAJOR JOHNSTON: When the OCD was set up back in May, 1941, this country was not engaged in a war. We saw the conflict arising and steps were taken to have a home defense. The several states had already started "Defense Councils" and were well on their way with excellent training when by Executive Order 8757, dated May 20, 1941, a national organization was set up to act as a co-ordinating agency for the entire country for Home Defense.

However, under this executive order there was no provision made for the procurement of any protective equipment.

It was not until January 27, 1942, that Congress passed an authorization to appropriate \$100,000,000 to buy necessary supplies. The money was not appropriated, however, until February 21, 1942, and the actual money was not made available until March 25, 1942.

You are all familiar with the many situations that arose regarding allocation of the equipment before you actually received it. Many communities feel that they were let down by receiving a small number of units or none at all.

I want you gentlemen to know that the War Department set up the communities that were to receive this equipment after much study, so that prime areas would be protected.

As you know we were afraid of air raids similar to those that all but ruined London, and it was imperative that we cover our prime areas to the best of our ability at all costs.

May I state right here that you fire chiefs deserve commendation beyonds words for the efforts you put into training auxiliary firemen. I don't think the people of this country truly appreciate the tremendous value of 500,000 men who have gone through the training you provided for their protection.

The knowledge and discipline they received is not only of value in the present emergency, but will be of untold value in the post war period. Thanks a million for a job well done.

Certain legal terms had to be lived up to in the distribution of this equipment which was not fully understood by all concerned. The Commander of the local Defense Council is legally responsible for the use and distribution of all equipment. The Commander answers to the Mayor or Board of Selectmen who accepted the equipment and appointed as his agent a property officer who must be bonded. The State Property Officer is appointed by the Governor of each state and he is responsible for this equipment delivered directly to the state, and in addition to the OCD is asking for all the equipment delivered to municipalities within the state.

LOUIS STERN COMPANY

Manufacturing Jewelers

SINCE 1871



NEW YORK • PHILADELPHIA • CHICAGO

ADDRESS ALL COMMUNICATIONS TO PROVIDENCE OFFICE

PROVIDENCE . R . I .

The "OVERHEAD DOOR"

for

Garage • Factory • Warehouse • Fire Stations



G. FRED SWANSON, Inc.

119 DYER STREET

GAspee 0491

PROVIDENCE, R. I.

PIEPER & WILDER

Insurance

87 WEYBOSSET STREET

PROVIDENCE, R. I.

Helophone GAspee 8863

SANDERSON BROTHERS

INSURANCE

GENERAL OFFICE AND CLAIM DEPARTMENT

**171 WESTMINSTER STREET
PROVIDENCE, RHODE ISLAND**

The Fire Chief is responsible for the training of Auxiliary firemen, in the use of this equipment, at all times. He derives that power from his own state and local authorities.

Regardless of the set up of OCD on fire equipment the status of the Chief of the Fire Department is in no way changed at the time of a fire or in any training program. This applies to the use of pump tank equipment extinguishers as well as the heavy pumps.

Today we face a very different situation regarding the character of the war. We are now definitely on the offensive. Offensive warfare is vastly different from defensive warfare, and calls for entirely different tactics. Every last piece of equipment of any kind must be at the disposal of our troops abroad to sustain them in their drive for complete victory. The Army is now asking for all the surplus fire fighting equipment that we have, so it now becomes necessary to call in all such equipment that is not in use. In other words, all "excess property" must be at the disposal of the armed forces.

At the present time certain amounts of protective equipment loaned to the communities seems to be in excess of that needed for protection against war hazards.

The armed forces have recently made a request upon OCD for a number of pumpers, which is in excess of the total amount of this type of equipment available in OCD reserve. It may rightfully be that they will need more and more as the invasion proceeds.

Therefore, the excess equipment uncovered will be made available to the armed forces.

The definition of "Excess Equipment", is given as follows: "Excess Property" is property not being properly maintained, used, or required for protection against war hazards of the community to which it was allocated.

To elaborate upon this may I say that those communities that have failed to meet their obligations will be called upon first to furnish the needed pumpers to meet the Army requirement. To those who have mounted and maintained their equipment it is only fair to say that they will be allowed to retain their equipment for the duration unless the armed forces need more and more as time goes by. I am positive that no one would deny any of this equipment to our boys overseas. The order in which the equipment will be called is as follows: trainers first, then skids, and lastly front end pumps. At the present time it is the intention of OCD to pick up the pumpers only, leaving all other equipment in the localities to which it was allocated. There will be no further allocation of equipment made to the states or communities unless the strategic situation changes materially, nor will re-distribution of equipment be made except in case of "Pump Tank Extinguishers".

Specifically "Fire Pumpers" are considered "Excess Property" unless properly mounted, maintained so as to be ready for immediate use, and sufficient trained manpower assigned to operate them.

As of July 1, 1944, the Regional Office of Civilian Defense will cease to exist as such and only a field office will be maintained to cover any eventuality that may arise. On and after that date all inspections will be made under the supervision of the Washington office of OCD.

No doubt all of you are anxious to know just what the post-war plans are concerning the OCD fire fighting equipment. Last week, while in Washington, I tried to get this answer for you, but the best I can tell you is that at the moment it is as follows: It is generally thought that the Pump Tank Extinguishers will be

Campanella & Cardi Construction Co.

GENERAL CONTRACTORS

86 WEYBOSSET STREET

PROVIDENCE, R. I.

Telephone GAspee 8235



Field Office, 6113 O'Donnell Street, Baltimore, Maryland—Telephone, Broadway 1768



Tel. HOpkins 5680

SUPERIOR COAL CO.

78-88 NARRAGANSETT AVENUE

PROVIDENCE, R. I.



C. J. LONGO

Phone DExter 6608

LIBERTY ELECTRIC COMPANY

Established 1925

ELECTRICAL CONTRACTORS

INDUSTRIAL WIRING AND MOTORS

49 WEYBOSSET STREET

PROVIDENCE, R. I.

Ideal Jewelry Manufacturing Company

INCORPORATED

RINGS • JEWELRY • NOVELTIES



144 PINE STREET, PROVIDENCE, R. I.

declared expendable and if so allowed to remain in the localities to which allocated. There is nothing definite about this as yet.

It is felt that the pumpers will go to the Surplus Commodities Division, which will dispose of them by the following method: First: to any Federal agency proving need of it. Second: to tax supplied institutions, including municipalities. Third: sale by auction to general public.

You gentlemen are the best judges as to the value of any of this equipment to your community. Certainly the fire prevention consciousness which has developed during the war will find a valid use for it in some way. One need only to mention the possibility of rural fire protection expansion to account for much of this equipment.

Personally I do not feel that by leaving some of this equipment in the field it will in any way affect the regular fire apparatus manufacturers.

I do not think the equipment will be released immediately by the armed forces as it will be some time before the Army and Navy installations will be about done.

Because of the construction of the OCD equipment it is not going to last as long as regular equipment. Its service life is of necessity limited.

It is my personal opinion that the apparatus manufacturers are going to be quite busy after the war and will not fear any effects from OCD equipment left in the field.

The question of "How can I use OCD equipment?" has been put to me many times by you fellows. My best answer, gentlemen, is use it as you would any piece of your equipment in an emergency. You are the sole judge as to your need of this equipment.

In these days of conservation, I certainly would use this equipment in place of my heavy equipment, on every occasion that arose for a pumper.

Chief Sidney Field of my own city demonstrated last week very conclusively that OCD pumpers can be used to maintain a supply, and pressure of water throughout the city for an extended period of time. For over two hours he used two OCD pumpers and maintained a good pressure all over the city, and in the business district, which is a mile and a half from the point where he was pumping a pressure of 92 pounds. It is a very good feeling to know you can do this in case of emergency.

I want to take this opportunity to thank all of you gentlemen for the many courtesies extended to me in the past two and a half years as Chief of the Fire Defense Section of OCD, and please feel free to call upon us for any needs in the remaining days of the war.

Following the presentation of his prepared paper the speaker added:

I promised Chief O'Hearn that I would endeavor to get for you all the knowledge possible on airplane crash fires. I tried to have a school started for you gentlemen at various Army posts so that you can get their technique in handling crash plane fires.

I have here our new manual 5-316, 17th of April, 1944, which shows all the different types of planes and nozzles, etc. It is restricted so that it can only be given to people interested, and not to the press in any way, shape or form.

I am going to try and arrange for you gentlemen to go to your nearest airfield and observe how they handle crash plane fires, including all types of equipment they use. It is probably the best technique you can get in handling crash plane fires. If any of you are here tomorrow I would like you to see this manual. If you are looking into the future, study for crash plane crews, which you should have. Think first about identification of planes and construction of planes, and particularly where

~

MAURICE F. REIDY

REAL ESTATE AND FIRE INSURANCE

WORCESTER, MASSACHUSETTS

~

WINSLOW'S

NEW PROCESS POTATO CHIPS

•

MARBLEHEAD, MASS.

BRANCH PORTLAND, MAINE

American Waste Paper Company

Dealers in

WASTE PAPER, SHREDDED PAPER

Office and Warehouse

24 ASH STREET, PROVIDENCE, R. I.

Tel. DExter 5040

Howard & Lewis Motor Sales, Inc.

NEW ENGLAND'S LARGEST FORD DEALER

219 PROMENADE STREET

PROVIDENCE, R. I.

GAspee 2100

there are crews in planes. Find out what you can do about getting into a compartment, and how to release a man strapped in, how you can release his parachutes, how you can open the covers and make entrance. It is a big job, so if any of you gentlemen are interested I will be glad to go over it with you.

After the first of July there will be no longer any regional office for New England. Our Colonel is here today and will remain in this area as Protection Officer. His address is the same as it has always been, and he will be glad to help you in any way he can, and I know I am speaking for him when I say, thanks a million for letting us talk to you. And now go out and have a good time in this nice country.

CHIEF HILL: I move that Major Johnston's paper be placed in the records, and that a vote of thanks be given him.

Motion seconded.

PRESIDENT LAWTON: It is moved and seconded that this paper be placed in our records and a vote of thanks be tendered to Major Johnston. All in favor will say aye; opposed, no. It is a vote.

CHIEF O'HEARN: I move that this session adjourn.

Motion seconded.

PRESIDENT LAWTON: All in favor will say aye; opposed, no. It is a vote, and this afternoon's session stands adjourned.

Tuesday Evening

Moving pictures were shown entitled "Safeguarding New Haven." An inside story of the Fire Service (Moving pictures in color—described by Chief Paul P. Heinz, New Haven, Connecticut, Fire Dept.).

"MEMORIES OF THE PAST"

Moving pictures shown by Charles Madden, Official Photographer, and described by Chief Selden R. Allen of Brookline, Massachusetts.

CLARENCE M. DUNBAR

ROBERT O. SMITH

COOK-DUNBAR-SMITH COMPANY

MANUFACTURERS OF

**ROLLED GOLD PLATE • GOLD FILLED STOCK
FLAT, WIRE AND TUBING • SOLID GOLD IN ALL KARATS
GOLD AND SILVER SOLDERS • 18-8 METAL FLAT AND TUBING
PURE NICKEL TUBING**

85 SPRAGUE STREET

PROVIDENCE, R. I.

COMPLIMENTS OF

WHITE FUEL CO.



15 EXCHANGE STREET

PROVIDENCE, R. I.

HEDISON MANUFACTURING CO.

Manufacturers of

JEWELRY NOVELTIES



116 CHESTNUT ST.

PROVIDENCE, R. I.

SHERMAN SCREW PRODUCTS CO.

*Screw Machine Products—Optical Taps—Optical Screws
Jewelry Findings*



**49 PAGE STREET
PROVIDENCE, R. I.**

Wednesday Morning Session

The Wednesday morning session was held in the ballroom at The Balsams, being called to order by President Lawton at 10:30.

PRESIDENT LAWTON: The first speaker this morning is Roi Woolley, whom you have all heard and I know you will be much interested in his subject. He is going to speak on "Selling Fire Departments After the War". Mr. Woolley.

SELLING FIRE DEPARTMENTS AFTER THE WAR

ROI B. WOOLLEY

Assistant Editor of "Fire Engineering"

The thought of "selling" in any form, has not occurred to many of us in the Fire Service. Since we haven't paid any attention to this in the past, why bring it up now? And' after the war?

The answer to that is that consciously or not, we've always had a selling job on our hands and always will. Selling enters into almost every phase of the business, of fire prevention and fire fighting. Everything we say, everything we do in this job of ours has some relation to "selling". And before we can discuss our post-war selling problems, we've got to have a clearer understanding of just what we mean by "selling" as applied to our business—our job.

The first thing we've got to realize is that, whatever we used to call it, or whatever some folks still call it—a "game," a "racket," a "science," a "profession"—fire fighting is a **BUSINESS!** It is **BIG BUSINESS**—and I mean **BIG**, in any man's language.

Any "business" that has over 100,000 full paid, and over 1,000,000 part paid, and volunteer workers (exclusive of an army of auxiliaries) on its personnel rolls, is **BIG!** Any business that may be said to be "grossing" **A MILLION DOLLARS A DAY** and which costs to operate about as much as it **GROSSES—A MILLION DOLLARS A DAY**—is **BIG BUSINESS!**

Of course, that sounds silly—a business that annually costs more to operate and maintain than the sum total of its "gross" (in this case the known fire losses) but this Fire Fighting Business is peculiar unto itself. As Paul Kearney said, writing for Chief Dougherty of New York Fire Department: "It is a quique enterprise, as full of strange contradictions as fire itself. It has reached its peak of efficiency because of our scandalous inefficiency as a nation; it moves forward by the simple process of keeping us from slipping backward. It is probably the only business in the country that shows its profit in red ink!"

Executives in this Big Business—and that includes you gentlemen—have many worries besides hydraulics, combustion and mechanics. They're presiding over "Commercial" enterprises with securities that run into millions; with insurance funds and pension funds that bulk large even in a day when we talk in terms of billions. They must administer and render accounting of these funds; must watch payrolls, materials and supplies accounts, and all the accounting and bookkeeping details that give other big business men grey hairs.

Have you ever stopped to figure the "worth" of the Fire Service—this fire fighting Big Business of ours, measured in terms of dollars and cents? Nobody seems to have done so, but some day some statistician is going to come up (for air) with figures that will astound a lot of us. He's going to add up the investment in real

Telephones
GAspee 4854-4855

Office and Factory
21 EDDY STREET

J. S. RABINOWITZ

Manufacturers of

FASHIONABLE JEWELRY ACCESSORIES

PROVIDENCE, R. I.

LEEN'S ELECTRIC MOTOR SERVICE

*Complete Repairing and Rewinding Service on All Makes of
Electric Motors and Control Equipment*

TELEPHONE 9416

Emergency 3694-5972

347-349 MAIN STREET, BANGOR, MAINE

R. M. JORDAN

HOME OFFICE

87 WEYBOSSET STREET, PROVIDENCE, R. I.

SALES OFFICES

**NEW YORK, 303 FIFTH AVENUE
LOS ANGELES, 707 SOUTH HILL STREET**

ATWOOD & MORRILL CO.

Manufacturers of

Valves for Power Plant Service



OFFICE AND PLANT, SALEM, MASS.

estate, in plants and structures including fire stations, repair shops, warehouses, drill schools, and so on, of this Business. He going to translate its thousands of pieces of rolling stock; the equipment, tools and material into terms of dollars and cents for us. He's going to show what it costs to "run" this national fire fighting and fire prevention "plant"—and what the cost means to every citizen, every taxpayer. He's going to tell us just what our investment in men, motor vehicles and all is worth, today, and what it will be worth tomorrow. He's going to reduce a lot of intangibles to tangibles. For instance, if it takes five years to make a good fireman, as some experienced chiefs believe it does, we might say we have an initial "investment" of \$7500-plus in every paid "employee" of our Big Business! But how do we know the Chief is right?

Our efficiency expert, however, will dope it all out—and he'll go on from there, and reduce us all to our dollars-and-cents "worth". Perhaps when he does this, we'll know better just how much a municipality should invest in the initial and subsequent training of its firemen, how much municipal fire protection is really worth, etc., in dollars-and-cents of saving. Then, perhaps, fire prevention will become a year-round national necessity rather than a week-a-year expediency.

Have I painted a clear picture of this Big Business, in which most of us have a part? I hope so—but there's more to it. I want to remind those of you who perhaps have failed to see the picture in its true light, who aren't fully aware of the "bigness" of our enterprise, that there's something more to fire fighting than getting out on to the fire ground, taking a shower of icy water and glass, dodging debris, pneumonia and heart disease. Mr. and Mrs. Joe Public see you out on the "battle-front" in your white hat, but they don't know much about the other part of your job—what goes on between fires, when you hang up your white helmet and sit down to the direction of an organization of office workers, with cash books and ledgers that would put to shame some of those alphabetical agencies down in Washington.

Selling plays a big part in this Big Business. Whether the Fire Chief is out in the white helmet, conferring with his associates, or addressing the Tuesday Ladies' Stitch and Chatter Club, or giving a class of auxiliaries "the works"—selling enters in!

Not many of us in the Fire Service think of this. To us, selling is barter and trade—making the best deal for a decrepit old pumper or the like, or the kind of selling the apparatus and equipment boys put over on us when they try to get our "John Henry" on the dotted line. No, the big part that selling plays in the Fire Service is the selling of INTANGIBLES—not things, but ideas!

Ask any sales expert and he'll tell you it's far harder to sell an "idea" than it is a thing. You can't put an idea in a man's hand, let him look at it, smell it, weigh it and so on. Ideas are nebulous, and so the seller of an idea must be a good word painter.

How many chiefs realize this? How many consider the simple elements of salesmanship (which work whether you're selling a thought or an outworn claw tool) when they go before their hard-headed, purse-bound Boards for increased budgets, or some action they want taken? Why is it that one of them may seem to get all he wants, while another gets a turndown?

If you ask me it's because one was a salesman, whether he knew it or not, and the other wasn't!

But this isn't intended to be a discourse in salesmanship, elemental or advanced. Perhaps, some day our Fire Service curricula will include it, at least the fundamentals for chief officers. You know it's a simple formula: (1) get attention; (2) arouse

COMPLIMENTS OF

NARRAGANSETT HOTEL



"FAMOUS FOR FINE FOODS"

CONCORD MANUFACTURING CORP.

PROVIDENCE, R. I.

CHAINS

for Jewelry, Ornaments and Hand Bags

Telephone HOpkins 1329

COME TO

CRESCENT PARK

Clean Amusement for All Ages

DANCING - SHORE DINNERS - MIDWAY

Free Parking—Outing Parties Solicited

COMPLIMENTS OF

U. S. RING TRAVELLER CO.



159 ABORN STREET

PROVIDENCE, R. I.

interest; (3) create desire; (4) get action. Or as we might say in the vernacular: get in, get your message across, get action, get out! Of course, you want the attention of the right person, you want to get a favorable action after you've created the desire, the want for the thing you are selling, whether pumper, or more pipemen or a fire prevention plan.

And, let's remember this point; what a fire department does; what its members, officers in particular, say and think, are all factors in selling that department to its "stockholders," the citizens and taxpayers of the community. Why do we train our men to be sparing in their use of water, and axe, and do a good job of overhauling and salvage? The smart chief says "because it's good business to do it!" True, and it is good business because it is good advertising, good selling for his department.

When one of your firemen, perhaps with some justification, bawls out a blundering citizen who gets underfoot at a fire, the Brother may relieve his feelings, but it is poor salesmanship for his "firm", your branch in the Big Fire Fighting Business. Thus, even the newest rookie, or the rawest auxiliary is on your business "sales force." And what they say and do today will have a bearing on the status of your "Business" of tomorrow—and after the war!

Ask yourself this question: Have we sincerely done a selling job? Have we "sold" ourselves and our departments to our people, our Boards, our Trustees? Or are we still a sort of "necessary evil", a pain in the neck to the taxpayers leagues and civic improvement societies? True, in many respects we've done a pretty fair job, often under terrific handicaps, but have we gone far enough? I'm inclined to believe if we had we would have the taxpayers groups and civic bodies demanding deferment of our firemen in the draft and insisting on the maintenance of our Fire Service at its top strength and we would see the firemen's wages raised on a parity with those of other workers essential to the war effort. Further, I have a hunch we would have had much less trouble down in Washington with WPB, getting the facilities we need to keep our Business a "going concern."

Now before somebody hits me with a rebuttal, I want to toss a few "bouquets" as well as the "brickbats" to the Fire Service. For, as I say, in many respects we have done a selling job, even perhaps if we've not been conscious at the time that we are selling.

This is evidenced in a number of ways—particularly in the relations of the Fire Service with Civilian Protection. It is shown in the fire prevention records—for example, in the simple facts that the last Fire Prevention Week Drive had 1831 cities participating as against 1172 the year before. It is shown by the enthusiastic, interested attendance at Fire Chiefs Conferences—yes, and by this crowd right here—in the face of gas rationing and other handicaps. Looks like we've been "selling ourselves" on the importance of this Big Business of ours.

I can say with candor, it took some selling to interest all those millions of Civilian Defense Volunteers, and educate them in at least the rudiments of fire prevention and fire protection.

And when it comes to the "Army" of approximately 400,000 or more Auxiliary firemen the Fire Service can say with some pride: We have done some real selling! All told, including Auxiliary Firemen and Fire Guards and Forest Fire Fighters Service, we can safely say that there exists today in America an "army" of well over half a million "well-sold," well-trained workers who are kindred to this Fire Fighting Big Business I've been talking about.

IMPERIAL KNIFE COMPANY, Inc.

MANUFACTURERS OF

Jack master Cutlery—Pocket Knives



14 BLOUNT STREET

PROVIDENCE, R. I.

FEDERAL CHAIN COMPANY

NEW YORK OFFICE 303 FIFTH AVE.

MURRAY HILL 4-0063

Manufacturers of Machine Made Chains

141 GEORGIA AVENUE

PROVIDENCE, R. I.

Telephone HOPKINS 2730

WEST 5562

HENRY OWENS and COMPANY

MACHINISTS and TOOLMAKERS

**Jigs and Fixtures • Interchangeable Machine Parts • Special Machinery
Textile Specialties**

**1738 WESTMINSTER ST.
PROVIDENCE, R. I.**

Phones: Williams 7127-7128

CHAPMAN MANUFACTURING CO.

Machine Parts • Tools



**307 CHAPMAN STREET
PROVIDENCE, R. I.**

And don't forget that even the humblest warden or other member of the civilian protection forces has had his bit of fire defense training, and this has borne fruit. I can almost prove it with figures, in dollars and cents. At least there's food for thought in the fire loss records. Our fire losses in the past have bulked largest in the dwelling and rural classifications, and lower in industrial classifications.

But in 1942-1943 something happened. In that period dwelling and residential fires dropped below those of the year previous, while industrial fires climbed about 67 per cent. Yet the total fire loss of the twelve months was lower than 1941. Therefore, the reduction in "home" fires had to be considerable to offset the industrial loss.

How do you suppose this came about? Well, my guess is that you can't take millions of families and make them fire conscious, ask them to clean up their attics, install first aid fire fighting appliances, and actually train 'em in fire fighting, without getting some results.

When we think of "Our Selling Problems After the War", keep this "Army" in mind. Keep in mind, also, the current condition of our fire fighting Business—a Business right now considerably run down at the heel: short of manpower; lacking in equipment; confronted by greater hazards than it ever was asked to face before; pressed to give extra time, extra service for inspections, training of new men and auxiliaries, as well as fire guards and other civilian defense enrollees; all in all, a Business operating under forced draft, with reduced income. Think of these things when you weigh the selling job that lies ahead!

Our primary task in that job is to sell the need for rejuvenation, rehabilitation and re-creation of this run-down Business, to a public surfeited with taxes that will not be interested in civic spending and to Boards of Commissioners and Trustees who hold our financial future in their hands and who will likely view our arguments with a bilious eye—while they put a padlock on the public funds. It is not at all unlikely that the Fire Business is going to be asked to limp along for "just a little longer" on its uppers possibly to close fire houses, reduce response assignments, operate outmoded communications systems, and economize in a hundred ways. Such will be the case unless this Business puts on the greatest "sales Drive" it has ever known.

It's not a pleasant picture I paint, but wiser men than I am concur in it. Thus, Fred Sheppard, in *Fire Engineering*, says:

"There will be a period of severe unemployment between the end of the war and when industry reconverts to peacetime products. Cities may be in good shape financially at the end of the war, but there may be a difficult period of from 18 months to two years immediately thereafter. In this case, few cities will be willing to spend for improved fire protection or for deserved increases in pay for members of fire departments.

"Even cities today that want to carry out improvements and have the money can't get apparatus. In the first post-war years they will be able to get the apparatus but will not feel free to make the expenditure due to the relief load."

Nearly all our post-war selling problems will be concerned with the Budget, which is true of most selling—the object being to separate someone from his or her pocket-book. The question naturally follows, how are we going to do this?

Well, here's where that "Army" I told you about comes in—those millions of civilian defense volunteers. Every city in America has 'em. There are several things

WHITAKER-FIELDING COMPANY

•
**35 BAKER STREET
PROVIDENCE, R. I.**

TRIFARI, KRUSSMAN & FISHEL, Inc.

•
**162 CLIFFORD STREET
PROVIDENCE, R. I.**

GENSER MANUFACTURING CO.

Jewelry and Novelties

★
**45 WALDO STREET
PROVIDENCE, R. I.**

COMPLIMENTS OF

GOODYEAR FOOTWEAR CORP.

•
PROVIDENCE, R. I.

worth remembering about these people. First, they're citizens, like you and me; they're intensely patriotic, ready for any task as long as it furthers the war effort; they have had varying degrees of training, depending upon their allotted jobs; they have had a taste of discipline and know the importance of obeying orders. And, finally, they are voters, and for the most part TAXPAYERS. They're your kind and my kind—the people who elect our mayors and governors, and yes, those who shape the civic destinies of this Business of Fire Fighting. Heck, they're our friends, our neighbors—and you'd be surprised to know how many of them are in civil government.

These, gentlemen, are our "prospects". They are the people we've got to consider first of all in any selling plans—now and later. What they think and say about the Fire Fighting Business creates impressions—favorable or unfavorable—where they live and work, which is tantamount to saying that they can be "for" the Fire Service—pardon me, the Fire Business, or they can be "agin" it.

It would seem that in this "Army" then, is the opportunity for you gentlemen to win converts, who, once sold, will "carry the torch" for you and for the Fire Fighting Business. As I see it this "Army" is the answer to that "Budget" problem and don't forget that the future of the Fire Business may be influenced by what this "Army" is thinking and doing right now.

The attributes I have mentioned—citizenry, patriotism, training, obedience to orders—are the assets which you must win and capitalize, and which, if you do, should serve you well, long, long into the future.

The question logically follows: How can we do this?

My answer to this is the salesman's slogan—get their attention arouse their interest; create the desire for what you have to offer; and get favorable action—in a word, "sell" 'em!

A lot of you chiefs have already found the answer through your experience with civilian defense emergency auxiliary firemen. You've found that to win their loyalty and support, you've had to first get their interest, then arouse their enthusiasm for the thing you're selling them—whether "participating interest in the Fire Service" or the "protection of their loved ones from fire". You've found they respond to certain appeals and approaches. You've found that you can't handle them as you do regular probationary firemen. If you've made a study of the enrollment, education and training of the emergency auxiliary fireman, like the professional salesman studies his prospect lists, you have, by this time, worked out most of the answers for yourself.

You know that poor "selling" will lose these potential customers—that instead of becoming boosters for a Fire Department, singing peans of praise for the Chief and Department, they may become outright "wrench-throwers." What may have been made into a small local "army" of good boosters can easily become, through poor "selling" just a lot of "sourdoughs."

The day may not be distant when the Chief of any Fire Department may want the support of every local citizen he can get. But it will take some time and much promotional work to "re-sell" candidates who have not been "sold" on the Fire Department or have been "under-sold" on it.

A fire chief doesn't himself have to be a "super-dooper" salesman. He doesn't have to know anything about selling, except perhaps to be able to find those who can do a selling job FOR HIM and his Department. And in the volunteer protection groups you may find that there's someone—officer or private, Auxiliary, "buff" or just "good friend", who can be relied upon to help put over a "sales presentation".

COMPLIMENTS OF

The Safety Fund National Bank



FITCHBURG, MASS.

COMPLIMENTS OF

FITCHBURG SAVINGS BANK



745 MAIN STREET

FITCHBURG, MASS.

COMPLIMENTS OF

HOLYOKE NATIONAL BANK

HADLEY FALLS TRUST CO.

PARK NATIONAL BANK

HOLYOKE

MASS.

~
**WORTHINGTON PUMP AND
MACHINERY CORP.**

HOLYOKE, MASS.
~

THE FALLS COMPANY

COTTON MANUFACTURERS

WINCHENDON, MASS.



CHIEF MICHAEL J. SHEA, Sergeant-at-Arms, Fitchburg, Mass.

Compliments of

SIMPLEX TIME RECORDER CO.



GARDNER, MASS.

FRANK A. HOWE, President
EBEN E. GRIDLEY, Vice President W. THEODORE WILLIAMS, Cashier

ORANGE NATIONAL BANK

CAPITAL \$100,000

SURPLUS \$100,000

ORANGE

MASSACHUSETTS

SOUTH ADAMS SAVINGS BANK

ADAMS, MASSACHUSETTS



IRA S. BALL, President

JAMES L. McCLEMENT, Treasurer

W. C. LANE, President

C. S. McMULLIN, Treasurer

LEICESTER SAVINGS BANK

LEICESTER, MASSACHUSETTS



Deposits draw INTEREST from the
FIRST day of EVERY MONTH

WILLIAMSTOWN SAVINGS BANK

WILLIAMSTOWN, MASS.



HARVEY P. COLE, Treasurer

Included in this "Army" of auxiliary firemen, fire guards—yes, of civilian defense volunteers generally—are sales and advertising men, business men skilled in public relations and promotional work, and others who can help you in the days that are ahead. Yet, how many Chiefs have made a serious effort to weed out these men and put them to work for themselves, their Departments, and their communities?

Don't forget, also, that many of these men are still kids at heart, and like most of us, love the Fire Business and have always wanted to be in or a part of it. Oh, I know some chiefs will say that they're too much trouble to bother with—that like the "volleys," the "buffs," the "sparks" and "whatyoumaycallem"—they're a pain in the neck. But show me an up-and-coming Fire Department and I'll show you one that has its civilian "boosters" and "salesmen" continually out plugging and fighting for it.

Whether we like it or not, the war and development of civilian protection has created new and closer relationships between the Fire Business and the people who need it, who pass judgment on it, and who pay for it! It rests with us folks in the Business to say what use we shall make of this relationship, whether or not we capitalize it now and in the years to come.

As for me, I can see where, if we make fast "customers" of this "Army" we will not only have done ourselves and our communities a great service, but we will have made a material contribution to reducing the nation's fire losses.

Before I close I want to remind you of one thing: the Fire Service today has no "friend at court" in official Washington. When it is desired that legislation be passed favoring the Fire Service or that some action be taken with agencies such as the W. P. B or the O. P. A. of the Office of Civilian Defense, there is no one to go to bat for the Fire Service other than Mr. George Richardson and his organization—the International Fire Fighters Association. This condition proved particularly embarrassing in connection with the efforts of the International Association of Fire Chiefs to secure independent radio for the Fire Service. Outside the writer, who was at that time located in Washington, and Mr. Herbert Friede, Controller of Communications of the District of Columbia, and Mr. Richardson, there were no representatives of the Fire Service to present the case for that service before the Federal Communications Commission. It is fortunate that we were able to make as good progress as we did. In this work we did have the cooperation of the International Municipal Signal Association, which organization has worked in the closest harmony with the International Association of Fire Chiefs.

I do not believe there is anything more important facing the Fire Service today than the question of its having its own exclusive radio frequencies. It is fortunate that these two organizations are working so closely and that we have in the person of Mr. Friede in Washington such a good booster. I can promise you that conditions look very favorable for the Fire Service in this connection.

CHIEF HEINZE: What about the Federal Communications Commission releasing wave lengths for the fire department? Is that going to permit the fire department to have "walky-talkies" in the future?

MR. WOOLLEY: There is every reason to believe that the Fire Service will not only have its frequencies for two-way communications between station and mobile units, and between mobile units and other mobile units, but also that there will be frequencies reserved for departmental use which will permit the use of the small portable outfits which we know as "walky-talkies".

KIMBALL-COOKE, Inc.

Insurance

534 MAIN STREET

ATHOL, MASS.

TELEPHONE 123

WETMORE-SAVAGE DIVISION

WESTINGHOUSE ELECTRIC SUPPLY CO.



PEARL STREET

BOSTON, MASS.

COMPLIMENTS OF

HAWKRIDGE BROS. CO.

303 CONGRESS STREET, BOSTON

STEEL OF EVERY DESCRIPTION

HARRY C. GATES, President

JAMES A. McKENNA, Vice President

ROBERT MacGREGOR, JR., Executive Vice President

WILLIAM H. GIBBS, Treasurer

ESTHER O. HALEY, Assistant Treasurer

ORANGE SAVINGS BANK

A Mutual Savings Bank

DEPOSITS INSURED UNDER MASSACHUSETTS LAWS

I might add that most of my address has been recently published in Bulletin form by the International Association of Fire Chiefs; if any of you desire a copy please leave your name with your Secretary or Secretary Dan Tierney of the International Association, who will see that you get a copy.

CHIEF O'HEARN: I move that Roi Woolley be given a vote of thanks, and I compliment him on the way he presented his paper to us; and include in my motion that his paper be received and made a part of the records.

Motion seconded.

PRESIDENT LAWTON: Any discussion? If not, all in favor of that motion will say aye; opposed, no. It is a vote.

MR. WOOLLEY: That paper has been published in bulletin form. If you want a copy leave your name with Secretary Dan, who will take care of it.

PRESIDENT LAWTON: The next is a paper prepared by A. C. Hutson, who is unable to be here. The paper will be read by Calvin G. Lauber.

MR. LAUBER: I think Mr. Woolley gave us a lot of food for thought and whatever follows after this war I am sure the selling job of the fire department is going to be permanent.

I was very much impressed in hearing Chief Heinze talk on what he has done in New Haven,—on what he has done to sell the fire department. His talk was a wonderful presentation of the facts with which you gentlemen may not be familiar. I served in Washington, D. C., and I know just what the attitude in general is toward fire departments. I don't believe I ever went to a fire but what I got the crack, "He belongs to the Fire Department, he doesn't know how to do anything but play cards." Selling our fire department is something that can be done. It takes a tactful approach, and the inspector must be polite and tactful.

Mr. Lauber then read the following paper prepared by A. C. Hutson, Assistant Chief Engineer, The National Board of Fire Underwriters, New York:

PLANNING FOR THE FUTURE

By A. C. HUTSON

[Delivered at Conference of New England Association of Fire Chiefs, Dixville Notch, N. H., June 28, 1944. Assistant Chief Engineer, The National Board of Fire Underwriters, N. Y.]

All the world is thinking of and planning for post-war conditions. In many industries and professions there will be little real change, as even a world war cannot upset practices that have been built up over centuries.

One of the functions of modern life which will change least in its mechanical aspect is the fire service rendered by municipalities. Yet in other ways there are going to be expansions in efforts and changes in basic problems of fire departments that will be almost revolutionary in character.

This paper, being a discussion of probabilities of the future, should not be in any way considered as an expression of the opinion or attitude of The National Board of Fire Underwriters. It is at best a personal review of possible developments. Many of the listeners will not agree with some of the statements but they will at least give you something to think about.

It must be accepted as a primary criterion, that changes which are made simply to have things appear different are of no value. Every change must be of such a character that it can be accepted as an improvement.

~
**THE
GREYLOCK NATIONAL BANK**

ADAMS, MASSACHUSETTS
~

THE NATIONAL MAHAIWE BANK

☆
GREAT BARRINGTON, MASS.

☆

L. L. BROWN PAPER COMPANY

Quality Papermakers Since 1849

LEDGERS LINENS BONDS

~
ADAMS

MASSACHUSETTS
~

COMPLIMENTS OF
WILLIAMSTOWN NATIONAL BANK

★
WILLIAMSTOWN, MASS.

In considering the operations of a fire department there are several factors which are common in their function yet much difference exists in various parts of the country. These will be discussed briefly.

Administration.—We are a politically minded people, and the nominal administration of our fire departments will always be through our elected officials, irrespective of whether the basis is in the form of a Mayor, Council, Commission, City Manager, or other combinations. This does not mean that the actual running of the department is not in the hands of the fire department officers. The responsibility for maintenance of apparatus and equipment and for all operations, and, of even more importance, that of planning for the future, will always be the burden to be carried by the chief engineer and his subordinate officers. To assure fairness in appointment and assurance of getting the best man, all fire department enlistments and promotions, including that of chief, must be on the basis of knowledge, competency, and experience. The enactment of suitable civil service laws and the proper carrying out of those existing is a fit subject for a standing committee of any association involving firemen. With these should go the question of pensions and of permissible and compulsory retirement.

The question of hours of duty of firemen looms large on the horizon. Shorter hours are due to come; they should not be objected to by the chief officers. In fact it should be one of the functions of the chief officers, either individually or collectively, to prepare plans by which greater free time can be had with the least harm to the department. The three-platoon, or straight 8 hours on duty and 16 hours off, does not fit in well with fire duty, where sleeping on the night shift is permitted. Actually a fireman may have more effective "time of his own" in many of the 70-hour-a-week plans than on the three platoon.

The question has been raised recently as to why use cannot be made of the auxiliary firemen organized and trained as part of the civilian defense. This is not even an academic question; it has been answered over the years in all lines of municipal effort. Under pioneer conditions volunteer work, either freely performed or partially paid for, was the best that could be considered, but the advantages of making it a real paying job were so evident that this class of service is passing out of American city life.

There is a possibility, however, of making more complete plans for the use of the off-shift such that these trained men can be more effectively used on serious fires and greater credit be given for these men than the present practice of considering them as little better than volunteers. Would it be asking too much of the fire chiefs to outline the desired arrangements of how and when the off-shift should respond? As to how often each year tests should be made? As to how much reserve equipment should be provided for their use?

Apparatus and Equipment.—Nothing new has been developed during the war as to apparatus and equipment. Due to incomplete knowledge and the failure to conduct comparative tests many misleading statements have been put out in regard to spray and fog nozzles and operating pressures of 600 to 800 pounds. For the serious fire requiring large quantities of water these high pressures are a detriment rather than an aid. For the small fire, where spray streams have proved their worth, the low pressure spray is equal in value, per volume of discharge, to the so-called high pressure fog.

Mechanically there will be some improvement in apparatus. The day of the service ladder truck is gone. Short coupled, quickly accelerated 45- to 65-foot

ATHOL COAL COMPANY

JOHN W. CAMPBELL, Treasurer

Di

575 SOUTH STREET

ATHOL, MASS.

Telephone 268

Telephone 271

PAIGE-KIMBALL AGENCY

INCORPORATED

INSURANCE

456 MAIN STREET

ATHOL, MASS.

THE L. S. STARRETT COMPANY

World's Greatest Toolmakers

Q

ATHOL, MASSACHUSETTS

U. S. A.

ATHOL SAVINGS BANK

U

442 MAIN STREET

ATHOL, MASS.

aerial ladder trucks will be used in all except those areas having buildings over 3 to 4 stories high, where 65- to 100-foot aerials will be used.

With the greater use of these aerials, plus a more intensive enforcement of laws regarding improved exit provisions, it is probable that the number of ladder companies can be materially reduced in many cities.

The so-called quad and quint are "neither fish nor fowl". They are expensive, unhandy, and do not reduce the total manpower required. It is up to the manufacturers to provide pumpers for purely dwelling house areas, with about 4 ladders, ranging from 12 to 35 feet, so carried as not to interfere with other operations.

There is a possibility of some plastic or synthetic rubber hose being developed which may have sufficient flexibility and strength to take the place of rubber-lined cotton hose.

Operations. — The days of "let Tom do it" are past. It is now "do it mechanically". Fire departments have advanced mechanically up to the point of actually extinguishing the fire. There it becomes manual. There must be a man at the nozzle, and others to get the nozzle to where water from it can hit the fire.

There are no robots to do this part of the work. Hoists may be perfected to drag hose up stairways; ladder pipes may permit streams to be thrown into upper stories, and special nozzles may be available for cellar fires, but nothing is available to the fireman, as part of the fire department equipment, which relieves him of the need of getting into the heat and smoke.

This brings this article to the two features which must be taken up in a whole-hearted manner in connection with post-war fire department operations.

These two features are Training; and Fire Prevention. They are of vital interest to everyone. It is only through these two fields that the size of the fire department can be reduced and thus a saving given to the taxpayer. It is only through them that the enormous losses of property values can be lessened, and further savings given to the citizens. It is only through them that the fireman's profession can be made safer and of greater interest.

Training should be a subject of discussion at every convention. It should change from year to year. It must be practical. There has been too great a desire to use prepared textbooks instead of producing methods from actual practice. A training program for the larger city might be very unsatisfactory for the smaller one.

Fire Prevention ties in with training, as men can not be well trained in fighting fires if they know nothing of the theory and practice of fire prevention.

Fire prevention has a broader meaning than discovering the cause of fire and preventing its occurrence. Fire prevention, for a fireman, includes consideration of construction of the buildings, the kind of occupancy, the processes used, place and kind of storage and the knowledge of the owner as to the hazards involved. Of even more importance, it means also fire protection and fire alarm facilities; the discovery of fire and its mechanical extinction.

The fire officer of the future must be well versed in all phases of industry, their relation to fire causes, and the means of confining or extinguishing the fire before it spreads. The post-war program for every fire department can be summed up as:

Complete knowledge of fire causes, fire detection and fire extinction.

PRESIDENT LAWTON: Do you wish to ask any questions?

MR. CHARNOCK: I wonder if we can get your idea as to what the reaction of the general public will be in augmenting the fire forces over the number which

A. G. SPALDING & BROS.

Athletic Goods Manufacturers



CHICOPEE, MASS.

BOWLES

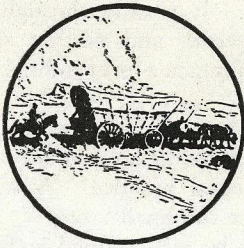
BOWLES LUNCH COMPANY

DETROIT, MICH.
TOLEDO, OHIO
MILWAUKEE, WIS.
DULUTH, MINN.

BOWLES LUNCH .INCORPORATED

SPRINGFIELD, MASS.
BUFFALO, N. Y.
SYRACUSE, N. Y.

213-215 BOWLES BLDG., SPRINGFIELD, MASS.



SPRINGFIELD
Fire and Marine Insurance Company
SPRINGFIELD, MASSACHUSETTS

Chartered 1849

WALTER B. CRUTTENDEN, President

Cash Capital, \$5,000,000.00

COMPLIMENTS OF
NATIONAL FIRE GROUP



HARTFORD, CONNECTICUT

we have had during this war period? 50 to 60% of their normal quota. Is it not going to be a problem to sell the public the idea that they need more men when they have been able to operate during this period of three years at a reduced personnel?

MR. LAUBER: That question is very well put. It comes right back to what Roi Woolley had to offer on the use of this organization in shifting fire apparatus, and the public will ask, why can't you get along with a less number of men? It is going to be a problem to build your department back up, for while we are getting along we are not doing as good a job as we could if we had our normal number of men. I can cite a number of cities where the fire prevention work is practically at a standstill, and we are not doing the job that we did before the war or that we should be doing. It is going to be a question to get back our former manpower and build up our departments to where you can do a better job.

CHIEF POTTER: I move you that Mr. Lauber be given a vote of thanks for reading this excellent paper and that it be made a part of our records.

CHIEF O'HEARN: I second the motion.

PRESIDENT LAWTON: Any discussion? If not all in favor will say aye; opposed, no. It is a vote.

The next speaker is Chief Selden R. Allen, of Brookline, Mass., who will speak on Post-War Planning.

"POST WAR PLANNING"

By CHIEF SELDEN R. ALLEN, Brookline, Mass.

Mr. President and Gentlemen of the Conference:

Post war planning is a vitally important phase of our present war effort. It has to do with opportunities for the rehabilitation of our men who have served in all branches of our defense services and is the first step in the payment of the debt we owe these men who offered their lives in defense of this country and all it stands for. It also concerns the future safety and well-being of every municipality in the country.

Those who return from this war will have to start life all over again in the majority of cases.

Thousands of boys who left schools and colleges to enter the war will never resume their studies. A large number of employes will have no former business or trade to return to because their former employers have been forced out of business forever due to war conditions. Many service men married before or immediately after entering the service and return to added responsibilities.

During the period needed to change from war to peace time manufacturing, millions of men will be without employment and needed income. Unless by post war planning we can provide immediate jobs for the returning service man and the workers who have been engaged in essential war industries and will be out of work because of peace, this country will be confronted with the most serious internal labor situation that has ever been known within its history.

The Federal Government has had complete control over our war activities from the drafting of men to the control of personnel, material needed and taxes, therefore the Federal Government should make, as a part of their responsibility, a substantial contribution in money for municipal projects to start these service men on the road back to our American standards of living for themselves and their families.

GROWERS OUTLET, Inc.

P. O. BOX 880, SPRINGFIELD, MASS.



Executive Office and Warehouse
CHICOPEE, MASS.

ERNEST F. CARLSON, INC.

GENERAL CONTRACTORS



SPRINGFIELD, MASS.

MacDONALD & SHEA, Inc.

INSURANCE



THIRD NATIONAL BANK BUILDING
SPRINGFIELD, MASS.

The National Library Bindery Co.

Specialists in

LIBRARY BINDINGS

271 PARK STREET

WEST SPRINGFIELD, MASS.

The contribution of the United States Government was 45% of the cost of a project during the last depression in an attempt to set labor to work. It should be at least that amount following this war in order that our returning service men may be given that which is rightfully theirs—a fighting chance at rehabilitation.

Huge sums of taxpayers' money were wasted during that depression period on non-essential projects and if we are to avoid a repetition of those experiences, we should start at once on our post war planning. In every municipality more money is lost through lack of vision than through any other channel.

Projects with plans, specifications and approximate costs will naturally have the right of way in any allocation of funds.

The future of every Fire Department in this country depends on the vision, intelligence and courage of the responsible heads of these Departments in their post war planning.

Projects should be only those that are needed and of a lasting nature if we are to secure the approval of our citizens.

During the last depression and our present war period the Fire Service has been starved for many needed improvements and at the present time is at a dangerously low level as regards efficiency, throughout the entire country.

I direct your attention to several matters which I believe should receive your serious attention in your post war Fire Department planning. All are interwoven with success or failure in any Fire Department.

WATER SUPPLY AND DISTRIBUTION

In a vast majority of cities and towns the water supply is inadequate for normal domestic demands and the added burden of a serious fire results in feeble and fewer streams, larger losses and criticism. Many water work systems when designed failed to gauge correctly the large increase in population or industries that have taken place.

Thirteen cities and towns within the greater Boston area each show a daily deficit in domestic water supply of at least 5,000,000 gallons during the dry periods of the summer season. This deficit is offset by water furnished by the State of Massachusetts turned on through connections that at best are but make-shifts and unsatisfactory from a fire fighting standpoint.

Briefly summarized, the average city and town has outgrown its water supply and in many cases the situation is serious and should receive immediate attention.

A survey of the distribution system of your water supply will, I believe, reveal a serious situation. You will find many districts where the size and capacity of the present water mains could very easily lead to a conflagration. The increased growth of a district has very seldom been reflected in the increase in the full size of the water mains. The 6" water main should be barred from future installations and replaced in existing systems at the earliest possible moment.

In view of the slight increase in cost and the fact that an 8" main carries a little over twice as much water as a 6" main, how can anyone with an atom of vision or business sense justify the laying of the 6".

Water mains in every system should be thoroughly cleaned out. Many will show a decrease in carrying capacity of from 40 to 60% by reason of accumulated deposits within the pipe. This job should be entrusted only to companies that specialize in this type of work as it requires special equipment. The record in improved capacity of water mains turned in by communities that have had theirs cleaned is an astounding one.

1823

1941

Worcester Mutual Fire Insurance Co.

WORCESTER, MASS.

Oldest Massachusetts Fire Insurance Company

119 Years of Service

SOUTHBRIDGE FINISHING CO.



SOUTHBRIDGE, MASS.



EASTERN OIL CO.

Wholesale and Retail

Petroleum Products

CHRYSLER AIRTEMP DEALER

122 GREEN STREET

WORCESTER, MASS.

ALLEN-SQUIRE COMPANY

SHOE MANUFACTURERS

SPENCER, MASS.

FACTORIES, MAIN STREET, WALL STREET, SPENCER

SALES OFFICE, 212 ESSEX STREET, BOSTON

There has been no coordinated plan in the locating of hydrants and in view of the difficulty in turning an engine around in a narrow street and the danger in backing one up to a hydrant, I believe that hydrants should be located not over 30 feet from the corner of streets so that drivers can pick them up as they enter a street and firemen will then know the exact point where a hydrant can be found.

The National Board should change its schedule on the spacing of hydrants. From experience, I believe that in business districts they should not be over 200 feet apart and in all other districts not over 250 feet apart. This spacing will speed up the laying of lines into a building, cut down friction and in view of the fact that the majority of engine companies have one piece units and hose has to be dragged from engine to fire there will be a tremendous saving in the energy of the men and with the small number of men assigned to an engine company under varying conditions this angle is of great importance. It is more economical to install hydrants that last during the life-time of a water system than to purchase hose whose life is limited.

Small communities without water works systems could profitably install for fire fighting purposes several concrete cisterns of 30,000 gallons capacity each on their main street, also where there are small groups of buildings in outlying districts. With the use of 1 1/2" hose many serious fire losses could be averted.

Interior standpipes should be installed in all buildings four stories or over in height.

FIRE ALARM SYSTEMS

A nationally known organization noted for its conservative trend has publicly stated that no community has a sufficient number of fire alarm boxes and the Fire Service is fully conscious of this fact. The delay occasioned by having to hunt for a fire alarm box often results in a fire loss that equals the cost of many boxes.

Provisions should be made, even in small communities, for the lighting of fire alarm boxes—at least in the business centers.

Serious consideration should be given to the building of separate fire alarm buildings and installation of modern fire alarm office equipment. Outmoded fire alarm boxes and systems should be replaced in the interest of unquestioned safety.

Cables that are overloaded and without spare wires should be replaced or revamped at the earliest opportunity. Cable should be extended to newly developed areas with adequate provision for future growth. All fire alarm wires should be placed underground; in the interest of uninterrupted service it is imperative that this be done in a northern climate on account of snow and sleet conditions.

All overhead wires of every type should be placed underground; they are unsightly, interfere with the placing of ladders and rescue work and absolutely destroy the effectiveness of outside fire streams. They are a menace to occupants and fire-fighters alike.

Fire alarm systems should be connected to adjacent Fire Departments that operate under a mutual aid agreement so that response may be automatic and avoid delays due to clogged telephone lines that are overburdened in every emergency.

Radio of the two way type should be installed as an auxiliary to the regular fire alarm system. In my opinion it can never replace a standard fire alarm system. Radio should include two way: Headquarters to all stations and all cars and apparatus, also two way station to station. Walkie-Talkie will be in common use very soon in directing actual fire fighting operations.

PEOPLES SAVINGS BANK

INCORPORATED 1885



HOLYOKE, MASS.

MECHANICS SAVINGS BANK

HOLYOKE, MASS.



I. E. SAWYER, President

W. J. BROWN, Treasurer

H. P. KELLEY, Asst. Treas.

Offices, Factory, Mill and Yard—14 SHAWMUT AVENUE

Warehouse—11 BRIDGE STREET

Supply House—58 CANAL STREET

M. J. WALSH & SONS

COMPLETE BUILDING SUPPLIES

HOLYOKE, MASS.

Telephone 8271 - 8272

TAFT OIL COMPANY

Heating Service

— — — — —
GASOLINE AND MOTOR OILS
— — — — —

111 LYMAN STREET

HOLYOKE, MASSACHUSETTS

Telephone 9847

A survey should be made at once of your fire alarm system and land should be purchased for a future fire alarm building if found to be needed.

Plans, specifications and approximate costs of the whole project should be obtained for an intelligent presentation to your citizens.

FIRE STATIONS

I believe the Federal Government and citizens in general will have a friendly attitude toward the erection of new fire stations in post war planning, on the ground that they are certainly needed and of a permanent nature.

Trying to revamp or doctor up the old type of station is a wasteful method of spending money and is very rarely satisfactory.

Citizens should be able to point with pride to their fire stations and wherever possible adjacent grounds should be landscaped.

In many instances stations should be relocated owing to changed conditions. Newly developed districts should receive immediate consideration in a fire department building program and also in the purchase of additional apparatus and the installation of additional companies.

In order that disabled apparatus may be returned to active service at the earliest possible moment all future planning should include repair shop facilities within the Department.

The erection of one door stations is short sighted vision for it fails to provide for future growth in a district.

All fire stations should include kitchen and dining room facilities for the men and also at least one large classroom.

Land, plans and specifications and estimated costs should be secured at once.

APPARATUS

A survey by the International Association of Fire Chiefs proved that 58% of the large fires in the United States in 1941 were due to inadequate fire protection and that 2000 fire engines were vitally needed at that time to replace obsolete, un-serviceable ones. The situation today is more dangerous than at that time. Over 50% of the apparatus in service at this time is over 15 years old. Many of the original builders of this old apparatus have gone out of business and replacement parts cannot be obtained without long delays. Repair shops are clogged with apparatus awaiting repair parts.

Non-standard gear shifts are a source of great danger to firemen, who drive their own cars with standard gear shifts when off duty. Obsolete and inadequate braking systems are the cause of many serious accidents. Shallow crankcases, ancient lubricating systems and worn out pump and motor parts make it impossible to furnish to our citizens safe and dependable fire fighting protection. They should be told the true story without reservation.

I believe that the pumps of the future will be of greater capacity, and in no case, even in a small town should they be below 1000 gallons per minute at 150 pounds pressure.

Ladder trucks are at the same low level of efficiency as engines. Firemen should have the protection of at least a cab on all apparatus. O.C.D. apparatus and equipment was designed for an emergency and should not be considered for permanent service.



JOHN C. PAIGE & COMPANY
INSURANCE
NEW YORK - BOSTON - PORTLAND

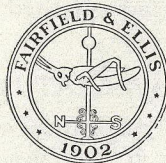
McLEAN REPORTS, INC.

C. GARFIELD McLEAN, President

101 MILK STREET

BOSTON, MASSACHUSETTS

*REPORTS of Vacant and Dilapidated Buildings for
Insurance Companies*



Fairfield & Ellis
INSURANCE

NINETY NINE MILK STREET BOSTON

James H. Carney

Arthur D. Cronin

Charles Haas

Andrew S. Nelson
Franklin J. Connors

KALER, CARNEY, LIFFLER & CO.

INSURANCE AND BONDS

of every description

200 FRANKLIN STREET

BOSTON

Corner of Pearl Street

Telephone LIberty 7460

O.C.D. hose should be barred from use in all Fire Departments. Standard, high grade hose is badly needed in about every Fire Department in the country.

Important improvements have been made in fire extinguishing equipment, especially in the use of fog and serious consideration should be given to new equipment that will enable your Department to do a better job.

EDUCATION AND TRAINING

Education and training has been practically abandoned in all Departments since the start of the war owing to the manpower shortage.

The great need for both is apparent at every fire, for the lack of skill on the part of the untrained men is both noticeable and lamentable and in several cases has resulted in adverse criticism of the Department as a whole.

Every fire department should have its own drill tower with sufficient area for all needed evolutions, including pumping, without being a nuisance to abutters and sufficient land should be selected now with these facts in mind.

INSPECTION BUREAUS

Efficient inspection forces no longer exist in the average Fire Department. They will have to be rebuilt after the war.

The officer in charge of this important division should be a man of fire fighting experience, plus a special training for the duties he is to assume. Political affiliations should have no place in his selection.

The Inspectors in this branch of the Fire Service should be young, active, personable men and they should be given a special training in law, procedure, and overall duties. The education and training of Fire Department Inspectors should be under the guidance of experienced inspectors from the National Board of Underwriters or affiliated agencies. A mediocre inspector can only make a mediocre inspection.

In all municipalities there should be a committee consisting of the heads of the Health, Police, Building, Engineering and Fire Departments to pass judgment upon all buildings, premises or a business where a license is required, and all other matters that affect the health, safety and general well-being of the community.

PERSONNEL

Undermanned apparatus has resulted in bitter criticism of some departments by citizens who failed to realize that this situation is largely the result of their own shortsightedness and passive or niggardly attitude at budget time.

Fire officials are also to blame in no small degree for this situation; they have approved a reduction in hours and lacked the courage to tell the public the true number of men that should be added to keep up the efficiency of the Department.

Allowing a ladder or engine company to respond to a fire in any district with three or four men is criminal negligence. The vast majority of multiple alarms that are pulled today are brought about by undermanned fire alarm companies.

I disagree with the suggested manpower schedule for permanent Departments laid down by the National Board of Fire Underwriters. From experience, I believe that a ladder company should have at all times not less than eight men and an engine should never be allowed to fall below six men. This schedule should apply to outlying, as well as high value districts, for the outlying companies have to respond to the high value districts on multiple alarms.

METROPOLITAN ICE COMPANY

GENERAL OFFICES

321 WASHINGTON STREET

SOMERVILLE, MASS.



Telephone SOMerset 3400

Rubberized Fabrics, Quarterlinings, Hospital Sheetings, Baby Pants and Aprons
Electrical Tapes

Heels - Taps - Strips, Crepe and Sport Soles, Sock Linings - Shoe Fabrics
Pyroxylin Coated Fabrics, Rubber Bands

PLYMOUTH RUBBER COMPANY, Inc.

THE LARGEST RUBBERIZERS OF CLOTH

CANTON, MASS., U. S. A.

Telephone CANTon 0220

THE SPRINGDALE FINISHING CO., Inc.

Dyers and Finishers of Cotton Piece Goods

Mineral — Sulphur — Indanthrene and Direct Dyes
on Ducks, Drills, Twills, Moleskins, Sateens, Sheeting, etc.
Napping and Suede Finishes

CANTON, MASS.

SHOP TELEPHONE BLUE HILLS 5113

H. C. MILLER

Interior Finish

Woodwork — Milling

956 CANTON AVENUE

MILTON, MASS.

After this war, every fire official in the country should start a relentless campaign to bring the manpower of his Department up to a safe level in the interest of the fire safety of his community.

IN GENERAL

Post war planning on the part of all Fire Departments should include the protection of all public buildings by automatic sprinklers, or approved fire detecting systems with direct connections to Fire Alarm Headquarters. This automatic protection should be mandatory in places of assembly, convalescent homes, lodging houses, churches, schools, theatres and all other buildings where the hazard to life or property appears high.

Fire Chiefs should take a leading part in the revision of antiquated and inefficient building laws, also proper regulations and protective measures to govern special hazards.

The elimination of blighted areas and the razing of dilapidated buildings should be a matter of deep concern to all public officials.

Zoning is of vital importance in the safe and orderly maintenance and development of every city and town, both large and small, and should receive the active support of all fire officials.

The coming of peace will give the Fire Service of the entire country the greatest opportunity it ever has had to develop the most efficient fire defenses that are humanly possible. It is a worth while goal.

I firmly believe that the officials of all our Fire Departments are conscious of their tremendous responsibilities and are well on their way in post war fire service planning. Put your dreams on paper; gather all essential facts and you will be surprised at what you will accomplish.

CHIEF HEINZ: You made reference to building of new training places. I wonder if it is the right time now to go into technical training and the building of proving grounds where large open elevated tanks can be erected, where the men can be shown how to put out gasoline or oil fires. I think, among the post war problems we are going to have a big problem in gasoline fires. There is still use for the drill tower, and with the constant evolution of ladders and hose work, after one gets that far, I think there is room now for technical training.

CHIEF PACHL: I move that Chief Allen's paper be made a part of the record.

Motion seconded.

PRESIDENT LAWTON: Any remarks? If not, all in favor of the motion will say aye; opposed, no. It is carried.

The next speaker is Mr. Frederick B. Philbrick, President and General Manager of The Gamewell Company, who will speak on "What to Expect New in Fire Alarm Systems".

WHAT TO EXPECT NEW IN FIRE ALARM SYSTEMS

By **FREDERICK B. PHILBRICK**, *President and General Manager*
The Gamewell Company
Newton Upper Falls, Massachusetts

The subject assigned to me, that of dealing with what will or may be the status of fire alarm after the current and impending events of world wide significance have occurred, requires an attempt at crystal gazing, a practice which you all know has

Compliments of

M. SIBULKIN SHOE CO.

MANCHESTER

NEW HAMPSHIRE

TELEPHONE 827

The Boulia-Gorrell Lumber Co.

MANUFACTURERS

BUILDING MATERIALS • BOX SHOOKS • CRUTCHES

LAKEPORT

NEW HAMPSHIRE

With Regard and Appreciation

ATLANTIC RAYON CORPORATION

MANCHESTER, N. H.

BEST WISHES OF

WILFRED T. GELINOS

Fire Commissioner

~
**Mgr., Gelinos' Sanitone Cleaners of
MANCHESTER, N. H.**

NEW ENGLAND ASSOCIATION OF FIRE CHIEFS

COMPLIMENTS OF

The Union-Leader Publishing Co.



**MANCHESTER
NEW HAMPSHIRE**



CHIEF ARTHUR W. SPRING, Second Vice President, Laconia, N. H.

COMPLIMENTS OF

Chicopee Manufacturing Corporation



MANCHESTER, N. H.

Compliments of

Cambridge Gas Light Co.



CAMBRIDGE, MASS.



Tel. ELiot 8683-8835

Honey Bee Cafe
INC.

Chicken and Steak Dinners

Choice Wines and Liquors

700 MASSACHUSETTS AVENUE

CAMBRIDGE, MASS.

NEW ENGLAND ASSOCIATION OF FIRE CHIEFS

by no means been reduced to an exact science. If we knew with some degree of certainty when the war will end or even when we might with confidence count upon some degree of abatement of the restrictions imposed by war the subject might be easier to deal with. I would then be able to state with some certainty how long the process of conversion from war to normal peacetime production in our industry may require and when we will be able to again provide the Fire Service with adequate signaling equipment, but I can even now assure you that the process of adjusting our manufacturing operations will neither be burdensome nor long drawn out.

For a considerable part of the war period, in fact for long after the restrictions governing the use of critical materials prevented us from supplying signaling equipment to municipalities, we still continued to operate at full capacity in the manufacture of standard fire alarm and patrol signaling equipment for the Allied Governments. The manufacture and installation of more than 500 protective signaling systems for military establishments has been one of our major contributions to the war effort. Other production for war in which we have been and still are engaged has been along lines similar to our regular products, in that to a very large extent the same machines and processes are employed and we have thus been able to retain practically our entire force of workmen skilled in the manufacture and assembly of our standard municipal signaling equipment together with many new skilled workmen for the special work we are now doing. Coincident with the release of the necessary materials our manufacture and delivery of municipal signaling equipment will be resumed—there will be no delay.

The war will soon be over—we hope—at least in the area in which it imposed the greatest menace to civilization and to our freedom of independent thought and action and, as a natural consequence, the end of the war in the Far East, we again hope, will follow in short order. Then will follow the difficult period of reconstruction—the period during which the waste of war must be offset by peacetime economy and in which there should be no latitude allowed for a continuation of the waste by fire. Most of us still recall the period of readjustment, the attendant confusion and abnormally high fire losses that followed in the wake of the first World War. The magnitude of the current war can afford no room for doubt that its aftermath will involve even greater problems—problems that can only be successfully dealt with by careful planning and appropriate action.

The war at arms will end eventually—but the war in which the Fire Service is continually engaged will not end—**THERE WILL NEVER BE AN ARMISTICE IN THE WAR AGAINST FIRE!** Fire causes are continually increasing and the deterioration of the fire defenses as a result of years of restricted production and deferred maintenance is being reflected in constantly increasing fire losses. The mass production under high pressure to meet the pent-up demands for peacetime products during the early post-war era will not contribute to reduced fire hazards and it is essential, if our industries and citizens generally are to receive proper protection against fire, that every factor in the fire defenses be strengthened as quickly as possible.

Fire alarm is properly rated as a major factor in the fire defenses—it is accorded third place by the underwriters—ranking next in importance to the extinguishing agencies themselves. It can play a leading part in the defense against fire during the years following the war—just how large a part will be determined by the municipalities you of the Fire Service represent. There is nothing new in the statement that the most efficient fire department is of no value until the alarm is given, but there may be some food for thought in briefly considering the essentials of an



When you buy a home, you demand a title guarantee to safeguard your investment; you provide yourself with locks and bolts to protect your possessions against burglars; the business man keeps his money and valuables in a safe and bonds his employees for added protection. But what about fire, windstorm, explosion and other hazards that constantly threaten your ownership?

Protect what you have with dependable insurance. A "North America" Policy is *dependable* protection, backed by the oldest American fire and marine insurance company (founded 1792).

**INSURANCE COMPANY OF NORTH AMERICA
PHILADELPHIA**

and the

INDEMNITY INSURANCE COMPANY OF NORTH AMERICA

write practically every form of insurance except life

Compliments of

**GEORGE LAWLEY & SON
CORPORATION**



**26 ERICSSON STREET
NEPONSET, MASSACHUSETTS**

Telephone TALbot 7200

NEW ENGLAND ASSOCIATION OF FIRE CHIEFS

WALTHAM WATCH COMPANY

extends

hearty Congratulations to the

New England Association of Fire Chiefs

on the 20th Anniversary of
its Foundation!

WALTHAM WATCH COMPANY

Established 1849

America's First Watchmaker

QUAKER FIRE HOSE

CHEMICAL

FORESTRY

SUCTION HOSE

Manufactured by

QUAKER RUBBER CORPORATION

PHILADELPHIA 24, PA.



WINCHESTER SAVINGS BANK

Incorporated 1871

WINCHESTER, MASSACHUSETTS



BRIGHTER LIGHT FOR FIREMEN

WHEAT SPOTLIGHT

25,000
Candlepower

Throws Light
2,500 Feet



Light doesn't fade; focuses at any angle. Permits use of both hands. Gives **more light** than dry-cell battery lights, and costs less to operate.

Burns 1,000 hours without battery replacement. Spill-proof; weighs only 97 oz. Spotlight or Floodlight reflector. Used by Boston Fire Department and many others.

Send for Illustrated Folder

KOEHLER MANUFACTURING CO.

MARLBORO

MASSACHUSETTS

BELMONT SAVINGS BANK

BELMONT
MASSACHUSETTS



Money available for mortgage
loans on residential property.



Two convenient locations

24 LEONARD STREET

74 TRAPELO ROAD

Telephone BELmont 0150

GENERAL SHIP & ENGINE WORKS

SHIPBUILDING

CARL G. HEDBLOM

336 BORDER STREET

E. BOSTON, MASS.

Established 1872

Incorporated 1895

THE CHATFIELD PAPER CO.

**233, 235, 237, 239 STATE STREET
NEW HAVEN, CONN.**



CHIEF STUART M. POTTER, Board of Directors, Greenwich, Conn.

The Cuno Engineering Corporation

Manufacturers of

Continuously Cleanable FILTERS for All Purposes

MERIDEN, CONNECTICUT

Telephone 5500

BROOKLINE TRUST COMPANY

BROOKLINE, MASSACHUSETTS



Member Federal Deposit Insurance Corporation

S. BUXBAUM COMPANY

Finest Foods — Always Reasonably Priced



34 LANGLEY ROAD

NEWTON CENTRE, MASS.

TEL. CENTRE NEWTON 5200

ESTABLISHED 1850

E. S. RITCHIE & SONS, INC.

Nautical Instruments

112 CYPRESS STREET

BROOKLINE, MASS.

U. S. A.

LEAVITT SHIRT MFG. CO.

INCORPORATED

SHIRTS MADE TO ORDER

Wholesale and Retail

CALL AT FACTORY AND SAVE MONEY

We furnish the Watertown Fire Department Shirts

107 SPRING STREET

WATERTOWN, MASS.

MIDDLEsex 2293

adequate and efficient fire alarm system and the extent, if any, to which the new discoveries and applications in radio, and other modern sciences in which great advances have been made during the war period, may contribute to greater reliability and efficiency in the transmission of alarms.

Startling achievements have occurred in the relatively new field of electronics and many in the Fire Service have doubtless wondered if in this field there may occur some development which will tend to supersede or at least improve the fire signaling system as it exists today. We have for a number of years been experimenting with and manufacturing equipment for certain applications in radio and loud speaker systems, and since the outbreak of war our facilities have been largely devoted to the manufacture of various relatively new devices in this field including radar which have given us much valuable first hand data upon which to arrive at a reasonably assured conclusion as to the probable value of these new ideas, especially radio, in the fire signaling field.

The prime requisites of a fire alarm system are (1) reliability, (2) speed of transmission, and (3) accessibility.

Reliability is of necessity a vital consideration. Fire alarm signaling is accomplished under emergency conditions at all times; an outbreak of fire constitutes the most serious emergency that can occur in a congested business or residential district; the citizen sending the alarm is naturally excited and the operating mechanism of the box must be so designed that its purpose is unmistakable, and so that the citizen cannot fail to operate it correctly. The signaling and transmitting elements—the boxes and wire circuits respectively—are constantly exposed to the action of the elements and to mechanical injury from many causes, but under all of these conditions the system must, in order to properly serve its intended purpose, transmit fire alarm signals correctly.

You are all familiar with the high degree of dependability that has been built into the standard municipal fire alarm system and are aware that failures of fire alarm equipment to properly send and receive signals when the wire circuits are intact have been almost unheard of and that practically all failures that have occurred have resulted on account of broken or disordered wire circuits. You are also aware that during recent years this weakness in the system has been corrected and that in the modern system a box operated under such conditions automatically applies a ground connection and the alarm finds its way to headquarters over one side of the broken line and is correctly received and announced.

It is not enough that the system be composed of instruments, equipment and wiring of undoubted excellence—accidents will occur, a circuit may open from one cause or another and a part of the system be temporarily disabled—it is necessary to know at all times the exact condition of the system so that should such an accident occur it may be quickly remedied. In other words, the system must be under constant electrical supervision and a warning of any disordered circuit condition instantly and automatically given—otherwise there is no certainty that alarms initiated by the citizens will be correctly received by the fire department.

In brief, the emergency nature of the service requires that far wider margins of safety must be built into the fire signaling system than is generally considered necessary for any equipment ordinarily employed for commercial purposes—every conceivable safeguard must be employed to ensure the correct reception of alarms.

I will first discuss radio which has been widely considered as a possible means of sending and receiving alarms of fire. Radio has already been successfully applied by the Fire Service, principally in connection with the fire department officials' cars,

WALTHAM PUBLISHING COMPANY

PUBLISHERS OF THE

News-Tribune

COVERING

WALTHAM - WATERTOWN - WESTON

WAYLAND - LINCOLN - AND THE NEWTONS

COMMERCIAL PRINTING • STORE NEWS • CIRCULARS

CALL WALTHAM 1670

COMPLIMENTS OF

WATERTOWN SAVINGS BANK

60 MAIN STREET

WATERTOWN, MASSACHUSETTS

"Save a Piece of Every Dollar"

Start Now to Save the Co-operative Way

Shares Always On Sale

WATERTOWN CO-OPERATIVE BANK

WATERTOWN, MASSACHUSETTS

RALPH W. MASON

JANE B. MASON

MEMBER FLORISTS TELEGRAPH DELIVERY

Flowers-by Wire

Anywhere-Anytime

RALPH W. MASON FLOWERS

Flowers For All Occasions

MIDDLESEX 4972-W

113 MT. AUBURN STREET

(at Phillips)

WATERTOWN, MASS.

NEW ENGLAND ASSOCIATION OF FIRE CHIEFS

MONTROSE and DUNVEGAN — 1648-1654 Massachusetts Avenue, Cambridge.
TWELVE SEVENTY-SEVEN Commonwealth Avenue, Allston.
INMAN BUILDING—759-765 Massachusetts Avenue, including 2 Inman Street,
Cambridge.

Apartments Under Management of

CLIFFORD V. MILLER, Inc.

REALTORS

1394 BEACON STREET

BROOKLINE, MASS.



Chief **SELDEN R. ALLEN**, Past President, Brookline, Mass., New England Director
International Association.

HENRY W. SAVAGE, INC.

ESTABLISHED OVER 100 YEARS

REALTORS

MORTGAGE LOAN CORRESPONDENTS FOR
PHOENIX MUTUAL LIFE INSURANCE CO.

1297 BEACON STREET

ASPINWALL 1504

BROOKLINE, MASS.

CLIFTON H. CURTIS, Pres., Treas.

PAUL R. TUCKER, Vice Pres.

WATERTOWN CLOTHING CO.

**214 DEXTER AVENUE
WATERTOWN, MASS.**

CLOTHING FOR THE FAMILY

Retail at Wholesale Prices

WATertown 8240

Telephone PARKway 0461-R

FOLSOM FUNERAL CHAPEL

ARTHUR N. FOLSOM & SON

63 BELGRADE AVENUE

ROSLINDALE, MASS.

G. RAPPOLI, INCORPORATED

MANUFACTURERS

Concrete Blocks and Cinder Units

Dealers in Cement, Lime, Sand & Gravel

293 HARVARD ST., MEDFORD, MASS.

Telephone MYStic 3995

Aromatic and Deodorizer

CHAPIN'S GERMICIDE

CHAPIN MEDICAL SUPPLY CO., INC.



CAMBRIDGE, MASS.

on the motorized apparatus and in other details of fire departmental operation. It will undoubtedly have even wider uses—for instance, in communicating with firemen who are engaged in fighting fires or investigating conditions within the interiors of burning buildings and properties.

It is theoretically perfectly possible today to design and build a fire alarm system consisting of individual radio transmitting stations functioning as street boxes, with corresponding receiving equipment at Fire Headquarters. Such a system would have the obvious advantage of eliminating wires which in the present form of system require the largest part of the cost and which are responsible for the greatest portion of maintenance expense and probabilities of trouble. Radio transmitters and receivers require, however, an independent source of electrical energy at each location and have comparatively complex circuits including tubes, condensers and resistances. The only practical method of insuring that such stations would be ready to transmit and receive at all times would be to have signals constantly transmitted and received with an indication at headquarters whenever any station failed.

This would involve complications in assignments of wave lengths, as each station would require a separate frequency in order that all could transmit simultaneously without interference. Assuming that this difficulty could be overcome by assignment of a sufficiently wide band of frequencies for this service, the next major problem would be to provide a reliable and adequate energy supply at each station.

Let us explore the various possibilities.

The commercial A. C. power supply alone has never been considered sufficiently reliable for municipal fire alarm service. Whenever this source is used, it has been considered necessary to provide a standby storage battery. The simplest form of this arrangement is to have the battery floating on the A. C. line through a rectifier. Such an arrangement would obviously involve expense and problems of maintenance which rule it out.

Any form of energy supply which is derived from falling weights or by operation of the pull handle would not have capacity to provide continuous service which we have found necessary, as outlined above, for reliability and continuity of service.

The only other alternative would be to have a suitably supervised and reliable energy supply at one or more central locations and run supervised circuits to the respective box locations. Such a plan would require at least the equivalent of the present signal circuits, so that nothing would be gained with respect to reduction of circuits; and the additional complications of the other required devices would reduce rather than improve present system reliability, and the cost would be greater.

A thorough analysis of such a system, therefore, leads to the conclusion that the present type of system with a minimum of simple supervised circuits and electro-mechanical transmitting and receiving devices is fundamentally sound and most efficient.

Radar, while it will undoubtedly find valuable commercial uses, including applications for promoting greater safety in railway operation and marine navigation, has thus far not disclosed any possibilities in the fire alarm field. Voice amplification—the loud speaker system—has already been demonstrated to have a definite value in improving the speed and quality of fire departmental communication, especially between the headquarters station and the fire stations.

Speed of transmission is another requisite. In this respect if we consider only the time required to transmit and receive an alarm, counting from the time a citizen

The STAR MARKET Company

Complete Quality Food Stores

Watertown24 Mt. Auburn Street
Newtonville304 Walnut Street
Wellesley583 Washington Street
Somerville401 Highland Avenue

TELE-SHOPPING DELIVERY SERVICE

BIGelow 8690

ARCH STEEL

SECTIONAL SCAFFOLDING

SCAFFOLDING SPECIALTY CO., Inc.

35 LEXINGTON AVENUE

WEST SOMERVILLE, MASS.

Telephone SOMerset 4050

COMPLIMENTS OF

**Cambridge Federal Savings
and Loan Association**

CAMBRIDGE, MASS.

ARK-LES SWITCH CORP.

**51 WATER STREET
WATERTOWN, MASSACHUSETTS**

pulls the starting lever of a fire alarm box until the alarm is announced and recorded in the fire stations, the modern system seems to meet every requirement.

With the Class B systems, in which the alarms from boxes are automatically transmitted from the boxes to the fire stations, the instant the lever is moved the alarm begins to be announced in every station and the speed capacity of the system is such that the alarms are or may be completely given before the fire fighting apparatus can depart for the fire; with the Class A systems, in which the alarms are first received at headquarters and manually transmitted from there to the fire stations, the speed of transmission over the alarm circuits is such that the fire companies cannot possibly be ready to leave their quarters before alarms are completely received; and it should be remembered that in both cases the alarms are received in all stations simultaneously—there is no lost motion or delay. Far greater speed in the actual transmission of alarms is available and can be developed in the modern system at any time there is necessity for it—our police signaling systems have for years transmitted signals at a far higher rate of speed than is required in the fire alarm system.

A factor which has an important bearing on the subject of speed in calling the fire department is that of the visibility of the fire alarm boxes—if a citizen cannot find a box because of its being obscured by trees, poles or other obstructions, he is of necessity delayed in sending an alarm and the fire department is handicapped in its effort to maintain a low fire loss record. As a suggestion for consideration in planning post-war improvements might it not be well to be sure that all boxes are so installed as to be visible and promptly located by citizens when necessary? Indicating lights so that citizens may readily locate boxes at night will add greatly to the public safety; mounting the boxes on pedestals that can be installed with due regard to visibility is another method that might well be considered.

Accessibility, the third prime requisite of the signaling system and the one most vitally important to the citizen, is entirely in the hands of the Fire Service and the municipalities you of the Fire Service represent. Probably the greatest contribution that can be made to the art of fire signaling and to safety from fire during the post-war era will be to render the means for calling the fire department readily accessible to all citizens within the municipal areas.

The public fire alarm system is a municipal utility intended to protect the property and lives of all citizens. Theoretically, the boxes are distributed with regard to property values, life risks and the degree of fire hazard existing in the various sections of the city. I use the word theoretically advisedly, because in practice, and I speak from personal experience and observation, there are very few cities in the country, probably less than 5%, that have made the fire alarm boxes quickly and properly accessible to even 50% of their citizens—and this condition has continued despite the repeated assertions of the Fire Service and other authorities on the subject that the fire alarm box is the best and most reliable means of sending an alarm of fire. There are many cities with excellent box distribution in the central business or mercantile district that have given but little consideration to the protection of their residential districts, nor to the protection of their more thinly populated areas in which many of their larger industries are located. Yet, it is in such areas that a high percentage of the property and life losses occur. It is only fair to say that in the New England area, represented by the Fire Chiefs assembled here, fire alarm box coverage and use of fire alarm systems generally is far more satisfactory than in most other sections of the U. S.; but I am sure that you all will agree that great opportunity exists for improvement even here.

Central Railway Signal Company, Inc.

Manufacturers of

CHIMFEX Chimney Fire Extinguishers



272 CENTER STREET

NEWTON, MASSACHUSETTS

Compliments of

**EASTERN MASS. STREET
RAILWAY**



Interstate Transit Corporation

Attleboro, Massachusetts



BUS TRANSPORTATION

Telephone 173 or 732

Compliments of

Boston, Worcester & New York St. Ry. Co.

OPERATING MOTOR COACHES

Serving

**BOSTON — WORCESTER — FRAMINGHAM
SPRINGFIELD — MARLBORO**

Terminals

10 Park Square, Boston

3 Salem Square, Worcester

There is no longer any doubt or uncertainty in the minds of those familiar with the subject that the use of the fire alarm system does minimize fire losses. We have recently made a survey of a considerable number of volunteer fire departments for the purpose of determining what might be done to increase the efficiency of our signaling systems in their communities. We asked among other things if in the experience of the volunteer fire chiefs the use of the system had tended to lower their fire losses. I will read you a very few of the replies to this question; but as we did not conduct the survey merely for the purpose of obtaining advertising material or obtaining testimonials I will not publicly disclose the names of the chiefs. I will mention three in Massachusetts.

1. "The prompt use of our system averted two serious losses in our war factories during the last four months."
2. "Serious losses have been averted in nearly every case where the street box has been employed. Nearly all fires for which the street box has been employed have been discovered from the outside; more boxes would eliminate the use of the telephone."
3. "Serious losses at all building fires and many grass and woods fires have been prevented by prompt alarms. I fought for many years to obtain our system—now I am fighting to obtain money for its extension."

Two from New Hampshire:

1. "Some time ago we had a base case of incendiarism. A fire bug set five different fires in hazardous locations and all at night; due to the prompt use of the system all were extinguished with but a slight loss. The system proves its worth many times every year."
2. "Serious loss is averted in every building fire for which a box is used. Time is precious."

From Maine:

1. "Have had many cases where serious losses were averted by the prompt use of boxes—the latest occurred very recently in a large shipyard."
2. "Last year a prompt box alarm saved a yacht storage building valued at \$1,000,000.00, and we have had several other cases recently."

From New York:

1. "Our fire losses due to the use of the system have been very small. The individual instances of serious losses averted are too numerous to mention."
2. "90% of our losses are kept to a small minimum by the use of the box system. A total loss is a rare occurrence which can be traced right back to a delayed alarm."

From Minnesota:

1. "Have not had a serious loss in 10 years and the efficiency of our box system, which we need more of, accounts for this splendid record."
2. "Without the alarm system we would lose buildings; our fire loss has been low due to prompt box alarms."

From California:

1. "Serious fire losses were recently averted on our waterfront, in four business establishments and a lodge hall. In our post-war planning the City Council and myself have taken into account the increased growth of our city and are planning to enlarge the system accordingly."

Telephones, DEDham 0051-0052

THE FISHER-CHURCHILL CO.

R. W. REDMAN, Pres.

SUCCESSORS TO

AMORY FISHER, est. 1854 C. S. CHURCHILL, est. 1878 BENSON & REDMAN, est. 1892

Distributors of Cities Service Oil Co. Products

OFFICE: EASTERN AVE. AND PROVIDENCE PIKE, DEDHAM, MASSACHUSETTS

TEL. DEDham 2529

DEDHAM MILLS

WORSTED
MERINO

GARNETTED STOCKS

RAYON
MOHAIR



90 MILTON STREET

E. DEDHAM, MASS.

BROOKS & SKINNER CO.

The Largest Builder of Structural Steel
Buildings, Garages, Bungalows, etc.
in New England

QUINCY

MASSACHUSETTS

Tel. PResident 5090

ROBERT BURLIN & SON

Bookbinders

ESTABLISHED 1867

FLEXIBLE LEATHER BINDING • EDITION BINDING • GILDING
PUNCHING • PAPER RULING • EMBOSSEING • PAMPHLET BINDING
ROUND CORNERING • INDEXING • GOLD STAMPING • PERFORATING
COIL BINDING

Telephone HANcock 6790-6791

301 CONGRESS STREET

BOSTON, MASS.

These are only a few of the answers we have received from the smaller communities—we have more than a hundred others, all equally positive in their assertions as to the value of the boxes.

In answer to another question, in which we asked the volunteer chiefs to suggest means for improving their systems, the answers received were almost unanimous—more boxes.

The conclusion I believe we will be compelled to accept with regard to fire alarm as a factor in the fire defenses is that if given the opportunity it will prove to be a profitable investment. The mathematics involved is very simple—you of the Fire Service well know that you can extinguish probably 99% of all fires with a single hose stream if you are given the alarms soon enough, and that in a large majority of cases there is ample time after the inception of fire to call the fire department, if the means are available, and avert serious loss. Why, then, the annual fire loss of some \$3.00 per person for the entire United States?

There is one outstanding reason—there may be others—but the fact that a proper means for sending alarms is lacking with the result that a large percentage of the residents of our cities are unacquainted with the use of fire alarm boxes and consequently are without any knowledge of the proper procedure in the case of fire, undoubtedly accounts for a high percentage of the unnecessary fire waste.

Frankly, in so far as the fire alarm factor in the fire defense is concerned, I think the most important new thing to look for is an adequate supply of new fire alarm boxes to enable your citizens to also cooperate in reducing the fire loss by sending alarms promptly—and it is not by any means too early to begin your planning for the post-war era now.

PRESIDENT LAWTON: Any questions you would like to ask Mr. Philbrick?

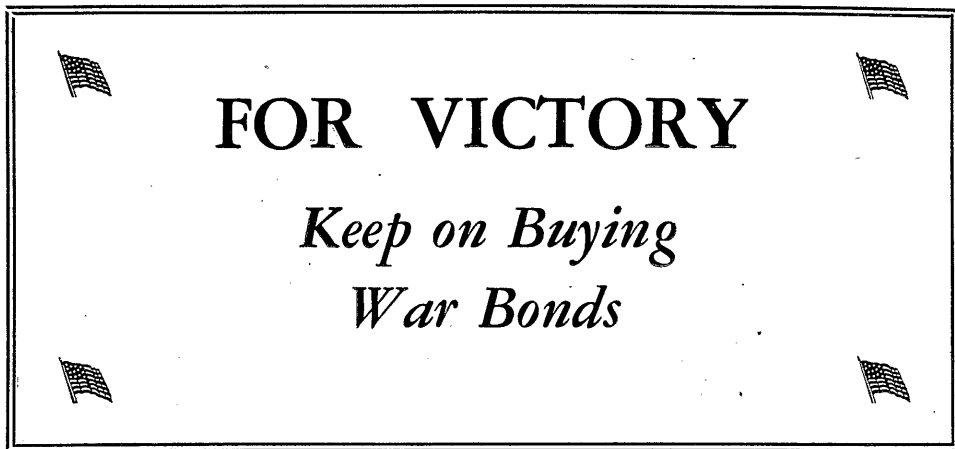
Moved that Mr. Philbrick's paper be made a part of the records, and that he be given a vote of thanks.

Motion seconded.

PRESIDENT LAWTON: All in favor will say aye; opposed, no. The motion is carried.

Announcements.

If no objection this forenoon session is adjourned.



FIRE DEPARTMENT SUPPLIES

Ben Ellis, Mgr.

ELLIS FIRE APPLIANCE COMPANY

Lynn, Mass., 429 Broad Street — Tel. Breakers 31101

FORT HILL SQ. — 195-197 HIGH ST.

LIBerty 1022-1023

COMPLIMENTS OF A

CHARLESTOWN FRIEND

THE HEIL co.

164 MARKET STREET

BRIGHTON, MASSACHUSETTS

Booster Pump Installations

Manufacturers of

Special Ratio Power Take Offs to Reduce Engine Speed

COMPLIMENTS of *the*

LEOPOLD MORSE CO.

Home of the Famous

Wolverine Suits \$45

Guaranteed for a Year of Wear

BOSTON - ADAM SQ. & SUMMER ST. CAMBRIDGE - HARVARD SQ.

Wednesday Afternoon Session

The Wednesday afternoon session was called to order by President Lawton at 3 o'clock in the ballroom of The Balsams.

Announcements by Pres. Lawton.

PRESIDENT LAWTON: The first speaker this afternoon is Francis J. Allen, Special Agent, National Board of Fire Underwriters. Mr. Allen.

ARSON AND ITS INVESTIGATION

FRANCIS J. ALLEN

Special Agent, National Board of Fire Underwriters

Mr. President and members of the New England Association of Fire Chiefs, it gives me pleasure to come before you gentlemen this afternoon as a representative of the National Board of Fire Underwriters, for the purpose of talking on the crime of Arson and its investigation.

Fire has been in existence since the world began. In the development of the Hebrew and Christian religion, fire became an agent of punishment and destruction. Later our American Indian used fire as a means of destruction; hence the white man conceived the idea of commercializing on fire. As a result, the crime of Arson is today perpetrated by men and women in every walk of life; from the tenement dweller to the merchant, farmer, banker, broker, and professional man, even extending into the insurance field, every color and nationality included.

Perpetrators of Arson have employed every conceivable means to commit this crime. Every known inflammable substance and chemical has been used; also gadgets of every description, as well as the old standby, the candle. In many cases, individuals prepare and set their own fire, as they are afraid to trust anyone, while others employ regular professional arsonists, who specialize in the crime of Arson. The arsonist racket operated on a large scale, well organized. Customers paid anywhere from \$100 to \$5,000 for a professional job.

There is one case on record where over \$10,000 was paid for an incendiary fire, most of this, however, was black-mail. Another case, involving two professional arsonists, who were arrested for setting fire to a millinery establishment, contacted their former clients, insisting on bail and lawyers to represent them, otherwise they would start talking. Bail and lawyers were furnished immediately. An Arson ring flourishing in western Pennsylvania, involved a doctor, three lawyers, two women, an insurance agent and insurance adjuster. One of the lawyers was former Assistant District Attorney of the County. These incendiary fires extended into several Counties and in one County a vacant lot was insured, the dwelling on this site having been destroyed two years previous by an alleged incendiary fire. This plan to defraud the insurance company by collecting on a vacant lot would have materialized if investigation had not brought about the arrest of this Arson ring.

We are at present enjoying prosperity and the crime of Arson for profit is practically dormant. When this war ends, and that can't be too soon, there will be thousands of men and women out of jobs. Thousands are already being laid off. Wholesalers and retailers will find themselves overstocked with inferior merchandise. Better material will be available and the public will refuse the inferior merchandise. I was in the garment center of N. Y. C. last week and talked to some of the manu-

THE BRYANT HOTEL

Brockton's Largest and Best Appointed Hotel

**33 WEST ELM STREET
BROCKTON, MASS.**

A HOME FINANCING AND THRIFT SAVINGS INSTITUTION
SINCE DECEMBER 17, 1877

SECURITY FEDERAL SAVINGS AND LOAN ASSOCIATION OF BROCKTON

40 LEGION PARKWAY

BROCKTON, MASS.

Hodgman Manufacturing Co.

TAUNTON, MASS.



MAKERS AND DISTRIBUTORS OF

AUTOMATIC SPRINKLER DEVICES

Compliments of

A FRIEND

facturers there, and they reported a decided falling off of business throughout the country.

Some business men can weather periods of depression while others become panicky.—There is no outlet for their merchandise. They are unable to meet their obligations. They cannot stand being pressed by creditors. They don't want to go into bankruptcy, with the result that they begin preparing for a fire. Some are over-insured and others are not. The only way out is to sell their merchandise to the insurance company. This condition will undoubtedly revive the business of the organized professional arsonists.

Fire Chiefs of today specialize in the investigation of Arson. We find that they are interested in these cases. They are keen in their observation and make every effort to detect the crime of Arson. The investigator depends upon the Fire Chief to discover evidence indicating fires of incendiary origin. It is the Fire Chief's observation at the scene of a fire, which is often responsible for the apprehension of the perpetrator. There are, however, a large number of unsolved incendiary fires throughout the country, origin of which is attributed to various other causes. These fires I am most interested in.

We cannot be too exacting in the investigation of suspicious fires. Valuable evidence is often overlooked, especially where there are two or more separate and distinct fires. Recently the body of a young woman was found in the cellar of a dwelling destroyed by fire. This fire was set to conceal the crime of murder.—In another recent case, the credit manager of a large department store, set fire to the store for the purpose of destroying records which would disclose his theft of several thousand dollars. Investigation of this fire developed two separate and distinct fires.

The question is often asked: "How are we to detect the use of gadgets, chemicals, and by-products?" The most necessary asset to determine this is the power of observation. Thoroughly search the debris; do not overlook the smallest particle of evidence. Various by-products have a distinct odor. Some chemicals leave a residue.—it is impossible for fire to entirely consume certain gadgets. Chemical analysis of material found in the debris is essential and has often resulted in establishing the origin of the fire.

The professional arsonist is known to have destroyed odors by pouring vinegar or iodine into the cans which previously contained gasoline or kerosene oil. There is more planning and conniving in the preparation of an incendiary fire than in most murder cases.—In order to create an impression of honesty, cash is often left in the cash register. Merchandise, ordered just previous to the fire, sometimes arrives on the day of the fire. Books of record are falsified, together with fake invoices. False financial statements are prepared. Insurance is often increased. Stock is sometimes removed from the premises and an inferior grade of merchandise substituted.

We also have the pyromaniac. This type of individual has caused no end of trouble to Fire Chiefs and Fire Departments throughout the country. A pyromaniac is usually indifferent, very evasive, and often mentally deficient. According to psychiatrists they are not feeble minded individuals. His emotional desire is for fire. I have often found this type of individual well educated. He is egotistical and always under the impression that he can commit the perfect crime.—There is another type of pyromaniac, who sets fire to further his own end, although I do not consider him a real pyromaniac. This individual's emotional desire is to become a hero. Invariably he discovers the fire and always assists in extinguishing it.

Telephone LY. 5-5228

DANVERS TOOL AND DIE CO.



523-525 BROAD STREET
LYNN, MASS.

Telephone 2841

FRANK DeCOSTA COMPANY

MILL WORK AND INTERIOR FINISH
CABINET WORK

130 CANAL STREET, SALEM, MASS.

COMPLIMENTS

GLENMERE DIE CO.

168 BROAD ST. . LYNN, MASS.



Telephone LYnn 2-0986

LYnn 5-3484

HARRY SIDMAN

WASHINGTON MACHINE EXCHANGE

Lathes - Motors - Presses - Drills



747 WASHINGTON STREET

LYNN, MASS.

I have a case in mind where a Special Police Officer, employed to protect private estates, set several fires in dwellings and garages. He usually discovered these fires and turned in the alarm. In more than one instance he drove the apparatus to the scene, and was rewarded by the property owners for his efficiency. His motive was a desire for appointment to the regular police force. This went on for over a year, when he was finally convicted and sentenced to prison.

Another case in which I was interested involved a State Police Officer, who set fifteen fires before being apprehended. This man's motive was to play the role of hero.

Another case involved a college graduate, who set fires on a large estate where he was employed. These fires destroyed several barns, including prize stock, and loss amounted to over \$100,000. This individual was found to be mentally deficient in spite of his college education. His motive was a desire to get even with the superintendent of the estate, whom he said he hated.

Another interesting case was of a young man, eighteen years of age, apparently sound, physically and mentally, who set some forty-four fires in a period of six months. These fires extended into three different counties. This individual had a strong emotional desire for fire and was thrilled by the sight of flames, although he never remained at the scene. He sometimes walked ten or twelve miles to set fire. This was a very unusual case as this individual never could explain why he set these fires. He was convicted and sentenced to prison for eighty-eight years, two years for each fire. He died in prison.

Another interesting case of a pyromaniac was a man twenty-eight years of age, who during a period of three years, set thirty-four fires and was suspected of setting many others. He was arrested on three different occasions and charged with Arson. Twice his case was nolle prosequi. Recently, while out on bail, he committed suicide by swallowing rat poison in chocolate candy. This man was interrogated by Police Officers and myself on numerous occasions. He seemed to enjoy the procedure and was rather disappointed when not interrogated after fires occurred, and investigators purposely stayed away from him. He boasted that he knew chemicals; that he could go in and out of a building without being detected, as he wore gloves so his fingerprints could not be taken. All of the fires he was responsible for were set on the inside of buildings.

There are also cases on record where the pyromaniac has been arrested, convicted and sentenced for setting fire, and after being released from the penal institution in which he was confined, resumed his fire setting. This individual, according to statistics, is usually the alcoholic pyromaniac.

There is still another type of individual responsible for many fires throughout the country. This type sets fire for revenge. It is too lengthy a subject to go into. Briefly, however, there are cases on record where fires have been set by men and women because of domestic difficulties, love affairs, jealousy, etc. I just recently investigated a fire where a man set fire to the contents of his apartment because his wife insisted on spending most of her time in Bingo parlors.—Another case in this same category but where the man was the offender, his wife set fire to her home because he was running around nights with men instead of working on the night shift as he was supposed to.—Another woman set fire to her home, where her husband and children were sleeping, because her husband objected to her running around at night with boy friends.—A man set fire to a barn on the farm where he was employed because he was suffering from ulcers. He claimed the sight of fire eased his suffering.—Also had two cases in our state, where fire was set because these individuals were

MacDONALD BROTHERS

Manufacturers of

Genuine Hand Turn Slippers



MARBLEHEAD, MASS.

WINSLOW CHIP COMPANY

INCORPORATED

New Process
POTATO CHIPS

Vacuum Packed
POTATO STICKS



MARBLEHEAD, MASS.

Branch at **PORTLAND, MAINE**

COMPLIMENTS OF

Lydia E. Pinkham Medicine Co.



LYNN, MASS.

COMPLIMENTS OF

PARAMOUNT THEATRE

OLYMPIA THEATRE

LYNN, MASS.

SCANLON COAL COMPANY

Coal • Coke • Range and Fuel Oil

777 WESTERN AVE.

LYNN, MASS.

Telephones: 3-7332—3-7323



CHIEF JOSEPH E. SCANLON, Board of Directors, Lynn, Mass.

COMPLIMENTS OF
LYNN PRODUCTS COMPANY
MANUFACTURERS OF
LYNN OIL BURNERS

7 TO 17 WILLOW STREET, LYNN, MASS.

Approved by the Mass. State Safety Board

**Increase the Efficiency of Portable Outfits for
*FOREST FIRE FIGHTING***

**Use Niedner's Red Chain Forestry Hose, Packed in
Niedner's Canvas Hose Containers**

Manufactured by
CHAS. NIEDNER'S SONS CO.
MALDEN, MASS.

WILLIS J. REID & SON

Yacht Builders



WINTHROP, MASS.

F. N. McINTIRE BRASS WORKS

221 HIGH STREET, BOSTON 10, MASS.

**We Manufacture The Complete Line of
Morse Invincible Nozzles, Playpipes and Fire Department Sundries
McIntire Automatic Shutter and Sliding Pole Unit**

**Our line of Morse Ball Type Shut-Off Nozzles
are used by the majority of Fire Departments**

Catalogue on Request

Phone — HANcock 3670

RIVETT LATHE & GRINDER, INC.

Bench Lathes — Toolroom Lathes

Hand Screw Machines

Internal and Universal Grinders

BRIGHTON, BOSTON, MASS.

Holyoke Mutual Fire Insurance Co.

114 WASHINGTON STREET

SALEM, MASSACHUSETTS

ESTABLISHED 1843



CHIEF WILLIAM C. MAHONEY, Past President, Peabody, Mass.

SURRETTE STORAGE BATTERY CO.

Specializing in the Manufacture of
Special High Capacity Long Life Batteries
for Fire Apparatus and Radio Cars

JEFFERSON AVENUE

SALEM, MASS.

Sprague, Breed, Stevens & Nehall
INCORPORATED

153 BROAD STREET

LYNN, MASS.



Stokers — Coal — Coke — Fuel Oil and Burners

Telephone LYnn 2-3400

ARTHUR H. DuGRENIER, Inc.

Designers and Manufacturers of

COIN OPERATED EQUIPMENT

15 HALE STREET

HAVERHILL, MASS.

TELEPHONE 4252

FIRST NATIONAL BANK

OF READING, MASSACHUSETTS



EDWARD F. PARKER, President

CLARENCE C. WHITE, Cashier

HARRY L. WIGGIN, Vice President

ERNEST E. GALLANT, Asst. Cashier

MECHANICS SAVINGS BANK
READING CO-OPERATIVE BANK



643 MAIN STREET, READING, MASS.

reclassified and about to be drafted. These men were unable to dispose of their business and decided to sell out to the insurance company.

Full co-operation of all fire departments and investigating agencies is absolutely necessary for the elimination of the professional arsonist and ever present fire-bug. The National Board of Fire Underwriters maintains a staff of Agents, who specialize exclusively in the investigation of Arson cases. These Agents are always available and ready to co-operate with local authorities.

CHIEF TIERNEY: I move that this paper be made a part of the record and a vote of thanks be given to Mr. Allen.

Motion seconded.

PRESIDENT LAWTON: Any discussion? If not, all in favor will say aye; opposed, no. It is a vote.

The next speaker is Chief Charles H. French, of the Manchester, N. H., Fire Department, and the New Hampshire State Forestry Department.

CHIEF FRENCH: Mr. President and Fellow Members of the New England Association of Fire Chiefs: I think that the State of New Hampshire has a little different proposition on radio than most of the states having towns of large population. I might say that Manchester is the chief city in the State with about 85,000 population. We don't enjoy a city of 150,000, or more, population, so we can get a radio wave length of our own for our fire department.

I understand that this morning you had some talks on radio. We feel we have a good radio system in New Hampshire, for some cities can't get radio wave lengths for fire departments only. Manchester first started in on radio efficiency with the police, which in my opinion was not satisfactory. There were times, at fires, when we would interfere with the police radio system, and the police system would interfere with ours. I took up the matter with several of our radio technicians, and we felt if we could get one wave length for the Forestry Department, including the Fire Department, that that was necessary, and we have accomplished that. We now have several cities throughout the state all on the same wave length.

There have been tests made throughout the state, as we thought probably one town would interfere with another, but this does not occur. We do not have high powered radio, 25-watt stations being the most powerful that we have. It is surprising the distance that you can get reception. My radio technician said he got reception on the way up here until we passed the Old Man of the Mountain in Franconia Notch. That is a distance of 100 miles. The local town where the signal is coming in, overrides the signal, so that it doesn't get any interference.

I am now going to turn this over to a group of technical radio men. We have several walkie-talkies which you heard about this morning. We also have operators. There was only one radio technician left in the southern part of the state and he is the engineer of the Municipal Police Department of New Hampshire.

I will introduce Basil Cutting, radio engineer of the State Police of New Hampshire, Charles C. Klaubert, radio technician of the Manchester Fire Department, and Charles Cunningham, radio technician of Franklin, New Hampshire.

I am going out with my car so that I can talk, and the other men are going out with the walkie-talkies for a test. Mr. Cutting will take over at this time, and I thank you for your attention.

MR. CUTTING: They will not let us hold a demonstration, so what we do

COMPLIMENTS OF

SOUTH WEYMOUTH SAVINGS BANK



SOUTH WEYMOUTH

MASSACHUSETTS

COMPLIMENTS OF

BARBOUR WELTING CO.



MONTELLO, MASS.

AUTHORIZED SEAGRAVE SERVICE AND PARTS

JOHN H. HILL MOTOR SERVICE

*Rebuilding and Repairs on Fire Apparatus,
Motors, Pumps and Power Brakes*

228 WATER STREET, QUINCY, MASS.

Telephone GRAnite 0170

E. L. GRIMES PRINTING CO.

**Printers of this Fire Chief book and
Fully Equipped to Handle Your
Printing Needs; Day and Night Service**

368 CONGRESS ST.

BOSTON, MASS.

LIBerty 3354 - 3355 - 3356

must be a test. We have never tried this equipment before, and in this section of the state we don't know how it will work.

This unit was built by the Franklin Fire Department and is a 15-watt unit, and from this transmitter, which will be in the headquarters of the fire area, we use our walkie-talkies to talk back to it. I am going to ask my assistants here to start out and go about the grounds around here. Mr. Klaubert will cover one end of the fire and Mr. Cunningham will be over in the area. We will now talk with Chief French in his car.

(The following conversation was then carried on, with Mr. Cutting asking the questions or giving the instructions, he being in the room where the conference was held, and Chief French going about in his car, with Technicians Klaubert and Cunningham, moving about the grounds outside).

Headquarters calling: Car No. 1, come in.

Ans: Car No. 1 standing by.

O. K. Car No. 1, will you observe how this is all progressing?

Ans: My reception is perfect.

We will now call on Walkie-Talkie No. 1.

Ans: I am approaching the pond.

Walkie-Talkie No. 2, come in. How is fire progressing in your area?

Ans: It seems to be in the trees over the hill.

Walkie-Talkie No. 3, come in please. How is the fire up in that hidden hotel room, progressing from your observation?

Ans: Smoke clearing and firemen feel they have it under control.

Walkie-Talkie No. 3, all stations stand by. (For the information of the audience, for the first time in New Hampshire we are using a licensed operator).

Car No. 1, how is it and how is reception?

Ans: Coming over good.

Walkie-Talkie No. 1, come in.

Ans: Fire under control around pond. Men returning to headquarters.

Stay where you are then come back toward hotel. Walkie-Talkie No. 2, how is your observation of the fire from where you are?

Ans: They have the fire under control and I think will hold it.

No. 3, up in the hotel, is that fire completely out at the present time?

(No answer).

Car No. 1, go ahead to Walkie-Talkie No. 1.

Ans: Walkie-Talkie No. 1 reporting. That fire is all over at pond. Men are returning on south side to check fires still burning.

Come in, Walkie-Talkie No. 2, and go ahead to Walkie-Talkie No. 1. What is the condition of the fire, No. 1?

Ans: The fire is under control and we are sending men to headquarters.

If your fire is under control, No. 1, will you get back to headquarters?

Ans: O. K., headquarters, we are returning now. We are now back to headquarters and I will be there in the hotel shortly.

No. 1, will you come down the aisle here just to show how that walkie-talkie works as you come in. Come in, No. 1.

Ans: I am coming in through the door and both hands are occupied. I am about to come in now, and how are you hearing me in there?

Very good, come in.

DANVERS TOOL AND DIE CO.

523-525 BROAD STREET

LYNN, MASS.

Telephone LY 5-5228

Don't Lose What You Have—

INSURE IT!

Holyoke of Salem Insurance Agency, Inc.

39 NORMAN STREET, SALEM, MASSACHUSETTS

Telephone 2700

Christian Christiansen, General Manager

Telephone LY 3-9740

ROTARY MACHINE COMPANY

INCORPORATED

Manufacturers of

French Cord Machines and Coated Fabrics

184-186 MARKET STREET

LYNN, MASS.

Branch Factory and Office: ST. LOUIS, MO.

WHITTREDGE PORTABLE BLDGS. CO.

Steel Buildings of All Kinds

965 BROAD STREET

W. LYNN, MASS.

DIAL LY. 2-3210

Ans: I am coming up the center of the aisle now, and where is Walkie-Talkie No. 2?

No. 2, come in with your location.

Ans: I am back to the location of the fire.

How is it with you, Walkie-Talkie No. 2?

Ans: All under control.

Car No. 1, what is your location?

Ans: On the way to Colebrook, turning around and coming back. I will be in shortly.

MR. CUTTING: I will now turn everything over to Engineer Klaubert of the Manchester Fire Department.

ENGINEER KLAUBERT: Before the 1936 flood when they first began to put these radios into police cars, I knew this was coming into fire department work. At the time of the 1936 flood the only thing we could get when the bridge went out was part of this instrument here (indicating the handie talkie). The bridge went out and took our cables with it and the whole west side of the city was out of communication, so we tried something we thought we could use on the west side. This handie talkie was something I had been playing with, and as a last resort we put it into use for some 48 hours before we could get telephone connections. There are many of these facilities available, but we don't know how to use them. When I was introduced to a radio technician on the staff of a Police Department in the southern part of the state he asked, "How do you use radios to put out fires?" Now, we cannot put an 85-foot ladder truck into this little box, but you no doubt have all had the experience of trying to talk from the fourth floor of a building down to somebody below, with your pumps running and the usual noise around a fire, and you have to holler your head off. If you had one of these units and you were on the roof you could throw up the switch and say: Car No. 1, send up a man and some rubber blankets. Perhaps you have tried to lay half a mile of hose, and tried to boost up the pressure, and somebody has to shout down to tell them to boost it up. With the handie talkie you can call, "Engine 33, engine 33, turn water on and give pressure of 125 pounds", or "This is Portable Transmitter No. 6 calling: "Increase that pressure to 125 pounds". And the answer comes back, "O. K. will do."

Now, Manchester, Nashua and Concord are about eighteen miles apart, and generally speaking equipment of this type is supposed to cover five or six miles. Our nearest help, on multiple alarms, is eighteen miles away, so we wanted a method of keeping them posted.

(Lady's voice connected with walkie-talkie in hotel): Am I relieved from duty now?

Ans: You are relieved from duty now.

ENGINEER KLAUBERT, continuing: I will try and show you on the blackboard what we tried to engineer. I might say that all of this work has been carried on by these various technicians on their time off, as otherwise there would be a lot of expense attached to it. Mr. Cutting has been hauling equipment on the highest peaks around for 24 years and he has a pretty good knowledge of what will happen. In the early part of this work we had Nashua here (indicating on blackboard), Manchester here, Concord here, and Franklin here, with approxi-

FELLOWS & SONS, INC.

808 MEMORIAL DRIVE
CAMBRIDGE

NATICK FEDERAL SAVINGS and LOAN ASSOCIATION

Assets \$7,500,000

Tel. Office 20920

HENRY OUELLETTE & SONS

GENERAL CONTRACTORS & BUILDERS

SAND - GRAVEL - CINDERS - STONE - CEMENT BLOCKS
CEMENT WORK - AIR COMPRESSOR - BULLDOZER
SHOVEL - TRUCKING

OFFICE: 216 HAVERHILL ST.

Tel. TRO. 5040

WURSTHAUS

RESTAURANT

DELICATESSEN

Beer, Wines and Liquors

4 BOYLSTON STREET, CAMBRIDGE, MASS.

mately 18 miles between them. It was tried to cover an area of ten miles, and coming from Nashua to Manchester we would theoretically, lose connection at some point a little over halfway to Manchester. Manchester, having a station covering ten miles, that car would get into Manchester, and by locating the stations in Nashua and Concord at certain points these stations (indicating on black-board) could talk into Manchester so that we could have any message relayed that they might have. The same thing held true between Concord and Franklin. It has gone way beyond our expectations. We get consistent communication with our cars 20 miles from Manchester, and we have done 40 miles.

We brought with us here about all types of equipment. We are heard consistently in Boston with only 20 watts, and yesterday afternoon we were in contact with one station or another clear up to the Profile. We left Manchester at 12, and I contacted my office until we passed Concord, and from there Concord would relay, and the messages went through. The Police Departments cannot do this, for Manchester, Concord and Nashua police are all on different frequencies. I think in the future you will find the police will look into this same system that we have, for it cuts down the number of frequencies and the amount of equipment you need.

These cars coming into work with us on a fire can talk with our cars or at the station. It has been my happy experience to act as aide to the Chief and fire alarm operator, and also to work on the fire alarm system, and when this radio came in we installed it.

Fire departments are in little worlds of their own, but we do want our neighboring cities to know, first hand, what is going on, and our neighboring cities know, when we go out on a still alarm, followed by several alarms, that sooner or later they will be requested to send help.

In addition to this we have another system of not having cars in every city of the same number. The cars, 1 to 10, would be in Manchester, and No. 10 to 20 in Concord, and No. 30 to 40 in Nashua, etc. Unless they call one particular station we pay no attention to their calls. Concord and Franklin have maps and the numbers of our boxes, so they know what section of our city the fire is in and we don't have to tell them. In addition, the fire alarm operator has a 40-station PBX switchboard, which has in all 40 telephones on this board. Under the old system he would receive, often, more than one call on the location of a fire, and with 13 engine companies and the Chief's office he would have to call by telephone the company going on that alarm. One man only received that alarm on a head set. Then he would call the Chief or deputy going with them. He may have 15 or 20 calls to make to cover the apparatus responding to the alarm, because every time a piece moves it has got to be covered by the next piece.

With the new system there is a loud speaker on the left and the microphone on the right. All but two of our stations at the present time have some sort of radio equipment so that now he throws a switch and gives out the alarms of fire: "Engine 8, engine 8, a house fire, or hotel." That is received by six to nine men in their station, and the company going there knows what they are looking for. No matter where our officers are they know who has gone, what they have gone for, and also he designates what officer is to take them.

It doesn't stop there, it travels on into Concord or Nashua, or into Boston or Wolfeboro, so that with no wires in general we can cover from one to a million people if we have the radio receivers connected to that many. When I first

FERRICK COMBINING COMPANY

Coating and Combining

APSLEY STREET, HUDSON, MASS.

Telephone Hudson 40

E. P. LEAVITT

ESSEX TOOL and DIE

Dies, Tools and Gauges

★

**BRIDGE ROAD
NEWBURYPORT, MASS.**

Store Fixtures, Castings

Tel. Conn. 90, 91

AMESBURY SPECIALTY CO.

Machine Work of All Kinds

★

**3 OAKLAND STREET
AMESBURY, MASS.**

Karl B. Brooks

Tel. 181

Paul J. Brooks

BROOKS BROS. LEATHER CO.

Tanners and Finishers

ENGLISH FINISH PIGSKIN • FANCY LEATHERS

21-25 OAKLAND STREET

AMESBURY, MASS.

went on to the system we used to have about 140 bell alarms and we had 500 still alarms. They grabbed the telephone, and we have an ash-can fire. The still alarms have increased up to 900 and the bell alarms have dropped to about 100.

While some of your wire men will be against this, I predict you will still have your regular alarm boxes on the poles, but you will have another box, with tubes and batteries, and your alarm will come in by the name code number or location on the speaker. There has got to be a little research work done on that, but you will have gotten away from your wires and breaks, which you are all familiar with, for they will be reduced. We got a lot of information coming up yesterday, and here today, and we know pretty nearly what we can do in this area. If any of you have not had enough, then come to Manchester, and if we cannot sell you on the idea of radio equipment, then go to Concord, and we will give you a short and long range test.

CHIEF FRENCH: I want to thank you for your attention, and I still feel that we have something here in the state where we have not any large cities. Of course a county could get a radio wave length, according to the last ruling of the FCC, but I still think we can cover the state, or that we are covering it, and the small towns with a small output of money, and I still feel we have got something.

Moved that these remarks be made a part of the record, and a vote of thanks extended to Chief French and his technicians.

Motion seconded.

PRESIDENT LAWTON: Any discussion? If not, all in favor will say aye; opposed, no. It is a vote.

The next on the program is the Dealers Opportunity, when the salesmen will have an opportunity to tell you the goods they have to sell.

G. A. JOHNSON

Manufacturers' Representative

Portable Electric Tools, 247 Fisher Ave., Brookline 46, Mass.

Mr. President and Members of the Association:

I am very pleased to have the opportunity of calling your attention to this piece of equipment which has created a great deal of interest where shown in fire department circles.

Briefly, it is a portable, high speed power saw, light in weight, compact, quick and easy to handle. Cutting can be done with it where no other tool can be used.

This attachment, known as a "Saw Gun", converts the rotary movement of the drill into a reciprocal stroke and with a piece of hack saw or band saw blade in position, any of the metals, woods, fireproofing and other materials can be cut much faster than by any hand method.

The drill furnished has an extra heavy duty universal, AC or DC, 110 volt motor and will operate perfectly from portable generators, using two or three flood-lights at the same time if necessary.

Cutting may be done wherever a blade can be inserted in a hole, crack or other opening and may be done in any direction for cutting holes, irregular lines and in the difficult, hard to get at places.

It is the consensus of opinion among fire department members that the tool has many possible uses in emergency or rescue work and in gaining entrances to buildings or other places. Also for inside work such as cutting holes in floors, walls, partitions, etc.

R. V. TOWNE

Manufacturer of
CEMENTED CARBIDE TOOLS

TOOLS, GAUGES, DIES and FIXTURES



80 HIGH ST.

DANVERS, MASS.

T. J. O'Shea Leather Company

SHEEPSKIN TANNERS



O'SHEA BUILDING

PEABODY, MASSACHUSETTS

Compliments of

MAYNARD H. MOORE, JR., Inc.



**430 MAIN STREET
STONEHAM, MASS.**

COMPLIMENTS OF

BARBOUR STOCKWELL CO.



CAMBRIDGE, MASS.

Chief Pope very kindly authorized me to mention his interest in the tool and that Boston has purchased for all of its Rescue Squads, Fire Boats, the maintenance shop and Fire Alarm Division, for a total of nine No. 1 models.

The Boston Rescue Squads have had several occasions to use the tool in emergency cases and found it very helpful and entirely satisfactory. Every member of these squads and many others can recall where in the past, it could have been used to very good advantage.

At this time over twenty fire departments within a radius of 40 miles of Boston have purchased. Model No. 1 is recommended and purchased exclusively for emergency work. It is a complete unit and if carried on some piece of apparatus in a box and with a blade in position, it is instantly ready to be used as soon as plugged in on your regular circuit or portable generator.

I will be here throughout the Conference and if further information is desired, I will be at your service.

I thank you.

CHIEF POPE: A gentlemen came into my office and demonstrated this Saw Gun, and I sent him over to the Supt. of the Maintenance Division and asked him to report back to me as to whether or not he could use it. He reported back that he thought it was a very valuable tool, and I bought four of them. About two days later there was an accident in Boston and two trainmen were caught. We could not have got them out if it had not been for that tool. I think it is one of the most valuable tools you can use for emergency rescue work.

PRESIDENT LAWTON: I would like to read this telegram:

West Roxbury, Mass.,
June 28, 1944.

Please extend invitation to all chiefs to attend the Annual Meeting International Municipal Signal Association in Boston, October 2nd. Theme of meeting "Today Work, Tomorrow Plan."

A. L. O'Banion, Supt. Fire Alarm,

Boston Fire Dept.

SECRETARY O'HEARN: In line with the telegram from Supt. O'Banion I have this announcement to make for Irving Shulsinger, Secretary of the International Municipal Signal Association.

"The 49th Annual Meeting of the Association will be held at the Hotel Statler, Boston, October 2-5, and all the ladies are invited."

Dealers Opportunity Continued:

Mr. Gilbert G. Brown, of the Federal Telephone and Radio Corporation, Newark, New Jersey, said in substance that one of the things I will carry back to my company is that we will need a lot more talent and the help we can be to fire departments, for I think I know your point of view. I am very close to the FCC in Washington, and some things that I know about aerial invention are going to greatly affect your fire departments. Due to a new system we in aerial invention are going to get a tremendous amount of frequencies and give the fire departments an opportunity to have more allocations from FCC.

I would like to point out that in 1929, in Los Angeles, somebody asked me if I could design a police department radio, and I said, there isn't any such thing, so they called me in. I started work, and we know now what police radio sets have

COMPLIMENTS OF

Massachusetts Heating Corporation

CAMBRIDGE, MASS.

COMPLIMENTS OF

CASTALLOY COMPANY, INC.

**363 THIRD ST.
CAMBRIDGE, MASS.**



North Avenue Savings Bank

**1960 MASSACHUSETTS AVENUE
CAMBRIDGE, MASS.**



J. J. POWERS CO.

Building Contractors

**238 MAIN STREET
CAMBRIDGE, MASS.**

Telephone KIRkland 0405

ARLINGTON DYE WORKS

Inc.

Cleaners and Dyers

81-87 MYSTIC STREET

ARLINGTON, MASS.

Telephone, ARlington 4600



Chief DANIEL B. TIERNEY
Arlington, Mass.

Arlington Five Cents Savings Bank

ARLINGTON, MASSACHUSETTS

A MUTUAL BANK

FOUNDED IN 1860

TO SERVE THOSE WHO SAVE

SAVINGS BANK LIFE INSURANCE

It Costs Less

History makes Reputation

The honorable History of this Institution is its greatest outstanding quality.

Fitting into every place has given us a reputation to be proud of.

BAY STATE NATIONAL BANK

The only National Bank in Lawrence

FOUNDED 1847

J. O. WHITTEN COMPANY

GELATINE



134 CROSS STREET

WINCHESTER, MASS.

COMPLIMENTS OF

ESSEM PACKING CO., INC.

Marvel Taste Meat Products

101 BEACON STREET

LAWRENCE, MASS.

TELEPHONES: 7149-7140

COMPLIMENTS OF

HAVERHILL NATIONAL BANK

HAVERHILL, MASSACHUSETTS

done for various communities. To show you what can be done in the way of size, here is a 4x2 pocket radio, which is not for sale. I would like to have fire departments bring their problems to my company as I feel we can benefit you through knowledge we have collected during the war.

MR. N. D. SHERWOOD

Rockwood Sprinkler Co., of Worcester

I have been asked by Mr. W. J. Carroll, President of the Rockwood Sprinkler Company, to express his regrets to his friends of the New England Fire Chiefs' Association that he is unable to attend this convention, and to extend his cordial best wishes to the association.

One of the outstanding developments resulting from the war has been the adoption of Rockwood WaterFOG by both Navy and Army. Shortly after the Jap sneak attack on Pearl Harbor, when we were fighting against tremendous odds in the Pacific, it was found that 60% of our naval losses resulted from fires aboard ship and 40% from enemy shell-fire and torpedoes.

Confronted by this situation, the Bureau of Ships of the U. S. Navy called in an experienced fire fighter, Commander Burke, formerly of the Marine Section of the New York Fire Department. Under his direction test equipment was set up, and a rigid test procedure was established, and manufacturers were invited to demonstrate the efficiency of their equipment.

As a result of these tests, Rockwood WaterFOG was adopted by the Navy for both portable and fixed installations aboard ship, and the efficiency of this equipment has been proven to the satisfaction of both the Navy and the Rockwood Company.

Due to the urgency of the situation, the manufacturing resources of our company were strained to the utmost to fill the demands of the Navy and the Army for WaterFOG equipment. This condition, coupled with the priority situation, placed us in a position where it was difficult to supply the equipment for fire department needs.

However, we are happy to tell you that this situation has become eased to a point where we can supply your needs fairly promptly.

Another phase of fire protection, also created by the war, has resulted in the use of Rockwood WaterFOG in the protection of manufacturing processes and equipment against fires which it would be highly dangerous to extinguish. The widespread use of Butadiene in the synthetic rubber industry has introduced a flammable liquid hazard far more dangerous than gasoline. Our company has demonstrated, in intensive, large scale tests, that a properly engineered and installed WaterFOG system can be depended upon to keep steel and concrete structures at temperatures far below the critical point right in the heart of a Butadiene fire.

In addition, quench tanks, dip tanks, oil filled transformers, oil switches, switch compartments, varnish kettles, and similar hazards, have been equipped with automatically operated, fixed piping systems of Rockwood WaterFOG and a remarkable record of efficiency has already been established.

Chief Heinz, of New Haven, has shown in his pictures the efficiency of WaterFOG in municipal fire fighting and now has Rockwood WaterFOG as standard equipment on all of his apparatus.

Mr. Ryan and myself have with us some of the WaterFOG nozzles particularly adapted for fire department use, and will be glad to have you inspect it.

COMPLIMENTS OF

CONVERSE RUBBER CO.

✱

MALDEN, MASS.

COMPLIMENTS OF

MALDEN KNITTING CO.

✱

MALDEN, MASS.

TELEPHONE 4090

Haverhill Electro Plating Corp.

Cadmium - Copper - Nickel and Chromium Plating
Polishing - Buffing and Rustproofing

19 HALE STREET, HAVERHILL, MASS.

MALDEN SAVINGS BANK

INCORPORATED 1860

"To Receive and Safeguard the Savings of the People"

MALDEN, MASS.

Murray D. Smith of Davis Emergency Equipment Co., Inc., 45 Halleck St., Newark, N. J., spoke as follows:

Combustible Gas Indicators are useful to Fire Departments in inspection and fire prevention work. Their field of usefulness includes the testing of sewers, dry cleaning establishments, paint and lacquer plants and storage spaces, gasoline stations and bulk plants, rubber and plastic and similar manufacturing establishments to eliminate conditions which might bring about serious fires and explosions. Such indicators can also be used to advantage in testing the premises in suspected arson cases where the fire has been extinguished before much damage has been done to fabric hangings, floors and woodwork which may have been soaked with flammable materials.

A modern indicator is light, simple to operate, accurate to within 5% at the point where the reading is taken, and gives results in minutes where laboratory analysis may take hours or even days.

The modern inspection department has more chemical conditions to contend with than were present ten or even five years ago, and this condition may become more serious with the increased use of new chemicals and solvents. In addition to their responsibility for the safety of cleaning establishments, gas stations and similar present hazards, some Fire Departments will have to investigate conditions in rubber and synthetic rubber plants, take care of the safety of lacquer and similar ovens, and cope with the explosive hazards of new industries.

To correctly determine the extent of an explosive hazard by the sense of smell is practically impossible—to do so with an open flame is dangerous. Testing with a modern combustible gas indicator gives instant readings which are plain and understandable to both the Fire Department Inspector and the property owner. The reasons for an improvement in storage or operating conditions or the necessity for the installation of explosion proof fittings desired by the Inspector are made so plain to the property owner or plant operator that he can scarcely fail to comply with regulations designed for his safety.

Combustible Gas Indicators are being manufactured by two concerns in the East. Their cost is between \$75.00 and \$100.00. Although demands from the Armed Forces are still heavy, these indicators are being furnished Municipal Departments with reasonable promptness.

Mr. E. J. McCarthy, General Sales Manager of Gamewell Company, spoke as follows:

During the war period The Gamewell Company has produced a greater volume of its standard fire alarm equipment than in any similar period of its seventy-eight years of existence. In addition to manufacturing many secret, military devices, our manufacture of standard fire alarm equipment has been continuous, and has included over 500 new fire alarm systems for the Allied Governments.

We have no conversion problem as our fire alarm manufacturing facilities are and have been in continuous operation. As the military demand for our products are being reduced, governmental regulations on civilian use are being relaxed. Priorities have recently been granted to municipalities for extension and replacements of complete systems. Applications for priorities which have been turned down in the past, in many instances have been allowed, upon resubmission. Applications for priorities for fire alarm equipment that may be put into service on existing wire and cable facilities have the best chance of success, and it is important to state in

Cable Address "PATWYLWIN"

Telephone HUBbard 7750

PATTERSON, WYLDE & WINDELER

George B. Proctor Edwin A. Boardman
Laurence H. H. Johnson, Jr.

B. Devereux Barker, Jr.
Henderson Kellogg

INSURANCE

40 BROAD STREET

BOSTON, MASS.

OVER A CENTURY OF SAVINGS

For 117 years every loss promptly paid in full. Dividends to policyholders which have averaged to return at least 20%. Reliable, economical, broad protection against losses from fire, tornado, theft, and collision. We shall be glad to give you the name of your nearest Norfolk & Dedham agent.

NORFOLK and DEDHAM
Mutual Fire Insurance Company
DEDHAM, MASS.

GILMOUR, ROTHERY & CO.

INSURANCE



FORTY BROAD STREET

BOSTON

HEADQUARTERS FOR FIRE DEPARTMENT SUPPLIES

AMERICAN FIRE EQUIPMENT CO.

45 BROAD STREET

BOSTON, MASSACHUSETTS

Exclusive Agents Republic Fire Hose

NEW ENGLAND ASSOCIATION OF FIRE CHIEFS

the application that the equipment for which the application is made will be placed in operation without the necessity for securing any new wire or cable.

Many cities have placed orders and contracts with us for systems and parts of systems, before applying for priority. When the priorities are granted on this equipment, prompt delivery can be made. If, in the opinion of the government authorities the urgency of the need as outlined in the application does not warrant a priority, these orders are being scheduled for prompt postwar delivery in the order received.

Our field force is ready and anxious to assist you to either secure the equipment which you may urgently need now, or to help you in the preparation of plans for your postwar program.

Mr. K. E. Rearick, Vice-President in charge of sales of The Wooster Brass Co., spoke as follows:

Mr. President, Members of The New England Fire Chiefs' Association and Guests:

All fire chiefs of larger municipalities have received copy of new Wooster Brass catalog. This is more than a catalog for not only does it present an outstanding line of distinctive brass goods and other fire fighting accessories, but it also gives much interesting and valuable engineering and hydraulic data and handy reference tables that are most helpful. We hope you will use this catalog as a convenient means of recording and filing important and interesting data pertaining to our profession. Blank pages have been provided for this purpose.

The administrative staff of The Wooster Brass Company is a group of executives well known to the fraternity for many years. John Schellin, founder and president, has given his entire life to inventing, developing and producing distinctive fire fighting equipment. He has contributed scores of patents to the industry and has others now pending. Earl Housekeeper, vice-president in charge of production, has been associated with Mr. Schellin for many years in the production, designing and engineering of modern fire fighting items. Other members of organization have also contributed much to our leadership in design and increased life and efficiency of our products, which are constantly under research for further improvement.

Time prohibits spotlighting all our items but we do want to make mention of our new QUAD-WAY nozzle which is truly an all-purpose nozzle. In combination with complete variable vapor discharge at all available pressures, it has a full solid straight stream efficiency with glass finished bore and is also provided with famous cushion ball shut-off provided with monel metal strainer assuring trouble-free service under all conditions.

CHIEF O'HEARN: I move that this session adjourn.

Motion seconded.

PRESIDENT LAWTON: There being no objection this afternoon's session is adjourned.



DAVID H. MERRIAM, President
WILLIAM E. PUTNEY, Vice-President

MILTON A. BARRETT, Treasurer
RUBY E. MURCH, Asst. Treasurer

FIDELITY CO-OPERATIVE BANK

675 MAIN STREET
FITCHBURG, MASSACHUSETTS

THE FRANKLIN SAVINGS INSTITUTION

Incorporated 1834
GREENFIELD, MASS.



THOMAS W. SYMONS, President

CLAYTON R. BOND, Treasurer

MERLE W. SCOTT, Assistant Treasurer

THREADWELL TAP & DIE CO.

Makers of Taps • Dies • Screw Plates



GREENFIELD, MASSACHUSETTS, U. S. A.

Vitrified Wheel Company

GRINDING WHEELS



WESTFIELD, MASS.

Thursday Morning Session

The Thursday morning session of the Conference was called to order by President Lawton at 10 o'clock in the ballroom of the Balsams.

PRESIDENT LAWTON: The first speaker this morning is an active member of our association, Lieut. William H. Clifford, 3rd, U. S. Coast Guard, who will talk on Waterfront Protection by the U. S. Coast Guard.

WATER FRONT PROTECTION

**Lt. William H. Clifford, 3rd.
U. S. Coast Guard**

Mr. President, Brother Members of the New England Association of Fire Chiefs, Friends and Guests:

A few weeks ago I was asked by our good friend, Ollie Sanborn, if I was going to attend the New England Conference. I replied in the negative, saying I was now in the Coast Guard and my time was not my own. He laughingly replied, "I see, that gives me an idea".

Not long after that I received orders from the District Office in Boston to proceed to Dixville Notch and address this Association on the Coast Guard's contribution to fire prevention in the security of our ports. Before getting to the main points of the work performed by the Coast Guard in port security work I would like to tell you briefly about the make-up of the Coast Guard.

The Coast Guard is the oldest branch of the sea service, originally organized by Alexander Hamilton, due to the necessity for protecting the critical finances of our country, which was at that time with little or no credit, and was under a crushing burden of public debt. Their mission was to aid in the collection of revenue and to suppress piracy and smuggling.

The first commission issued by President Washington was to Hopley Yeaton, Master of a revenue cutter. The first 10 cutters cost approximately \$1,000 each and were fast schooners or brigs of about 40 feet in length. The Master received \$30.00 per month and the seamen \$8.00.

During the war with France, the cutters were attached for operations to the Naval frigates, such as the "Constitution", "Constellation", and "Delaware". Sixteen of the 22 prizes were captured by the cutters and two additional ones in cooperation with Naval vessels.

The first and last shot fired in the war of 1812 was by a revenue cutter. The first shot fired from the deck of a Federal ship in the Civil War was by the "Harriet Lane" at Fort Sumter. The "R. P. McCulloch" was at Manila Bay. The greatest Naval loss from enemy action in the First World War was the cutter "Tampa" on convoy duty between Gibraltar and Bristol, England.

When the Coast Guard activities of World War II can be told, it will be found that it is in accord with the highest traditions of a service of which we can all be proud.

The Coast Guard celebrated its sesquicentennial Anniversary on August 4th of last year. For a century and a half, it has carried through the highest tradition of the sea under the Coast Guard Flag, bearing the motto "Semper Paratus", meaning "Always Ready".

COMPLIMENTS OF THE

Abington Mutual Fire Insurance Company

Abington, Massachusetts

1856 — 84th Year — 1940

Fire and Automobile Insurance

ASK YOUR LOCAL AGENT

SPECIFY

Quincy Mutual Fire Insurance Company

57 WASHINGTON STREET, QUINCY, MASS.

•

ESTABLISHED 1851

In addition to FIRE INSURANCE we also write

**SMOKE OR SMUDGE DAMAGE USE AND OCCUPANCY
RENT AND RENTAL VALUE WINDSTORM AND TORNADO
SPRINKLER LEAKAGE RIOT AND CIVIL COMMOTION**

AUTOMOBILE—Fire, Theft, Collision, Comprehensive

Berkshire Mutual Fire Insurance Company

PITTSFIELD, MASSACHUSETTS

Incorporated 1835

"Over One Hundred Years of Continuous Service" THROUGH LOCAL AGENTS

Middlesex Mutual Fire Insurance Co.

CONCORD, MASSACHUSETTS

Incorporated 1826

FIRE, AUTOMOBILE, TORNADO, RENT, INSURANCE

Agents Throughout New England

In 1939, the Coast Guard took over the lighthouse service of the Department of Commerce, the entire buoyage and lighthouse system for the United States and its possessions. More recently it has assumed the activities of the former Bureau of Marine Inspection and Navigation. In times of peace, the Coast Guard operates under the Treasury Department, and in times of war its men and ships are operated under the direction of the Navy Department in much the same relation as that of the Marine Corps.

The Coast Guard is made up of five major services, namely, the Revenue Cutter Service, the Life Saving Service, the Lighthouse Service, and the Bureau of Marine Inspection and Navigation.

The Revenue Cutter Service was organized in 1790, and the Life Saving Service in 1874. The two were combined in 1915. The Lighthouse Service was taken over in 1939, and finally the Bureau of Marine Inspection and Navigation in 1942.

Our country is now at war and is involved in conditions similar to that which brought about the creation of the Coast Guard back in 1790. At this very minute, Coast Guardsmen will be found on every battlefield, ashore and afloat throughout the world.

The fighting record of the Coast Guard is based on the extra duties it has had to perform for our country in time of war. The Coast Guard is also a trained military organization, holding relative rank with the Navy. It has participated in many of the campaigns of this present World War, of which you are all aware.

As I have already stated, the Coast Guard in time of war is called upon to perform many extra duties, one of which is the protection of ports, harbors, vessels, piers, docks, and other waterfront facilities against sabotage, accidents and negligence. This function comes directly under the captains of the port, who are officers of the Coast Guard designated as such by the Commandant of the Coast Guard for certain ports and territorial waters of the United States. The principal duties of the captains of the port are:

- (a) Protection of ports, harbors, vessels, piers, docks and other waterfront facilities against sabotage, accidents and negligence.
- (b) Control of the anchorage and movement of vessels.
- (c) Issuance of Identification cards.
- (d) Control of the loading and shipment of explosives and other dangerous cargoes.
- (e) Promulgation of local rules within the authority of the captains of the port.
- (f) Control of traffic in the harbors and channels.
- (g) Control of traffic from inlets and isolated harbors.
- (h) Provision for boarding and examining parties.
- (i) Enforcement of Federal laws on navigable waters within the jurisdiction of the captains of the port.
- (j) Miscellaneous duties.

The duties with which we are most concerned here today are protection of piers, vessels, and other waterfront facilities from fire and sabotage. Such protection consists largely of patrols from both the land side and the water side, also inspection of buildings, piers, ships, etc., to insure that adequate fire protection is provided. These patrols and inspections are coordinated with and are a supplement to, rather than a replacement of municipal and private facilities and personnel used for protective work.

**Sheldon Transfer and
Storage Company, Inc.**

FORWARDERS, WAREHOUSEMEN AND TRUCKMEN

647 MAIN STREET, HOLYOKE, MASS.

Walsh Holyoke Steam Boiler Works, Inc.

PLATE AND STRUCTURAL STEEL WORK

HOLYOKE, MASSACHUSETTS

All agreements are contingent upon strikes, accidents, delays of carriers, and other delays unavoidable or beyond our control.

Prices subject to change without notice. Offers on material from stock subject to prior sale. In absence of stated terms 30 days net cash to apply.

ADDRESS ALL COMMUNICATIONS TO THE COMPANY

Construction Service Corporation

READY MIX CONCRETE — SAND AND GRAVEL

●
**999 PAGE BOULEVARD
SPRINGFIELD, MASSACHUSETTS**

Springfield 3-6631

**PRECISION
Tool & Manufacturing Co.**

■
WESTFIELD, MASS.

Telephone 2392

C. A. MAYER, Gen. Mgr.

On land, particularly Coast Guardsmen, should be provided only where it is necessary to insure adequate protection of war facilities and shipments. The most important responsibility of the Captain of the Port is to insure that all necessary precautions are taken to prevent water fires resulting from negligence and other causes. This can only be accomplished by close cooperation between State, Municipal, and Public Safety organizations.

In order to accomplish this, headquarters set out to organize and train a group of Coast Guardsmen in the art of fire fighting, inspection, and investigation work. This was accomplished, and today we find such a group of men in all essential ports that handle war materials.

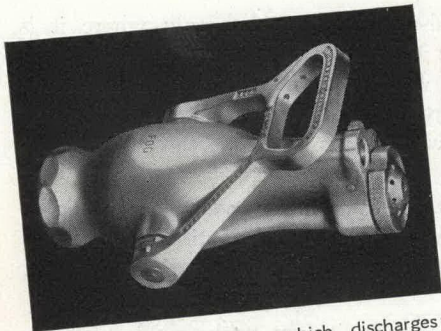
In order to give this group of men the proper equipment with which to work, it became necessary to assemble a large amount of fire fighting equipment such as fireboats, trailer pumps, and all the miscellaneous equipment necessary to completely outfit such boats. A contract was let for the manufacture of the so-called all-steel or Hanley fireboats. That is, as most of you know, an all-steel boat of shallow draft, capable of discharging 2,000 gallons of water per minute through two monitor guns mounted forward, or by hand lines as the case may warrant. An interesting feature of this Hanley boat is that she is propelled by what is known as jet propulsion. This is accomplished by water from the pumps being expelled through a jet, giving the boat either a forward or a backward motion. These boats, with this type of propulsion and a draft of only 18", make them a very useful and indispensable type of fireboat to be used in and around piers where the depth of water is not very great. They are a remarkable piece of equipment and have been used to extinguish many fires where regular city fireboats and land based equipment cannot readily be used.

To build and equip the Hanley boat, required time, which then was vital for the protection of our waterfront facilities. In order to combat this the Coast Guard acquired a number of hulls such as small draggers and power boats which were to be converted into fire boats by the installation of skid pumps and monitor guns, plus other necessary equipment. The conversion of these boats was accomplished with unusual speed and in a short time many of these converted boats were in operation throughout our New England ports. I was fortunate enough to be in on the ground floor during this conversion program and with the assistance of the District Engineering officer and our local mechanics at Portland, we rebuilt and converted six of these boats into fireboats in 1942, all of which are now in active service in various ports along our New England coast.

The Coast Guard maintains and operates a fleet of approximately 250 fireboats in the different ports of our country plus numerous trailer pumps and stationary units.

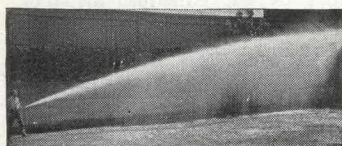
When we look at the tragedies in the field of fire fighting and explosives handling, it brings us to the realization of the part which we all must play in the urgent effort to speed supplies across the docks of this country to the boys now fighting so well on our many battlefronts. The type of explosion at Halifax in the last World War has been repeated at Bombay in this war. Minor accidents costing lives have occurred near the harbors of Boston and New York. Tragedies face us whenever military explosives, oil and gasoline, and other explosive materials are present in bulk. During war time the presence of large quantities of inflammable materials in transit over our piers and wharfs is inescapable.

New All Purpose Rockwood Waterfog Nozzle

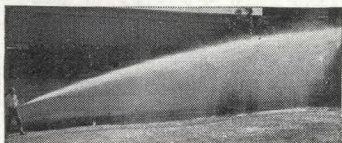


Rockwood SG-40 Nozzle which discharges:
(1) **High** velocity WaterFOG, (2) **Low** velocity WaterFOG (3) A Straight Stream.

This new **triple** action Nozzle, designed by Rockwood Engineers for the Navy gives ordinary water greater extinguishing action than heretofore possible with any other known nozzle. It is known as the Rockwood Type SG-40 WaterFOG Nozzle. It is excellent for all-around fire fighting. For shielding fire fighters and for fighting oil fires, it produces either **high** or **low** velocity WaterFOG. For fighting deep seated fires in ordinary combustibles, it gives a straight stream discharge. **Write for our descriptive booklet** featuring the SG-40 Nozzle and other Rockwood WaterFOG equipment.



The SG-40 provides high velocity WaterFOG with considerable forward projection, as shown.



Or, by moving the control handle back, the discharge is changed to a straight stream.



This versatile hose nozzle with extension applicator discharges low velocity WaterFOG in ball shape, as shown above.

ROCKWOOD SPRINKLER COMPANY

38 HARLOW STREET, WORCESTER, MASS.

TOWARD GREATER SAFETY

When properly handled, nitrocellulose . . . raw material for lacquers, coated textiles, plastics . . . can be used with an adequate measure of safety. Hercules Powder Company, world's largest producer of nitrocellulose, has conducted extensive research on the best methods for storing, handling, and using the flammable material. The safety "know-how" collected from this research is at the service of consuming industries.

HERCULES POWDER COMPANY

WILMINGTON

DELAWARE

BOSTON OFFICE: Suite 705 Statler Office Building

NEW ENGLAND ASSOCIATION OF FIRE CHIEFS

NEW HAVEN PULP & BOARD CO.

265 EAST STREET, NEW HAVEN, CONN.



New Haven 6 1103



EX CHIEF M. W. LAWTON, Past President, Middletown, Conn.
State Fire Councilor

COMPLIMENTS OF
SEARS ROEBUCK CO.



NEW HAVEN, CONN.



PROVIDENCE WASHINGTON INSURANCE CO.
PROVIDENCE, RHODE ISLAND

ANCHOR INSURANCE CO.
PROVIDENCE, RHODE ISLAND

Incorporated 1928

Organized and Owned by the Providence Washington Insurance Co.

Each Company Writes the Following Classes of Insurance



FIRE — TORNADO — OCEAN and INLAND MARINE
ALL RISKS — AUTOMOBILE — COMPREHENSIVE
FIRE — THEFT — COLLISION

COMPLIMENTS OF

NARRAGANSETT RACING ASSOCIATION, INC.

Operating

NARRAGANSETT PARK



PAWTUCKET

RHODE ISLAND

The Coast Guard directs its efforts unremittingly in cooperation with local fire and police departments to avoid the tragedies that lurk in these great hazards. Obviously, the Coast Guard, though it has expanded many times, is unable to cope with the problem alone. Therefore, cooperation is the watchword of these times and by that I mean cooperation between the local Fire Department and owners of waterfront facilities. It has, so far, insured the transfer of these dangerous cargoes, and many other types of cargoes, across piers and waterfront facilities of this country without a single major conflagration on a major pier. Now that victory is in sight, we ask that this cooperation continue until our troops march down the streets of Berlin and Tokyo, as they have already done in Rome.

You are all familiar with the part you are playing in this present crisis, so I won't go into that at this time. I think it better to draw a picture of the broad outlines lying behind the fire fighting effort which has been organized in many of the ports throughout this country. In doing so, I should like to say that the Coast Guard feels honored for the part it has played in the effort, but it does not desire to claim any credit, realizing full well the importance of all of you members of departments, organized auxiliaries, and technicians associated with the National Board of Fire Underwriters, and ordinary citizens who lend a hand with the lines when fires are not obligingly located next to hydrants.

Let us for a moment look at the fire fighting effort which the Coast Guard feels privileged to organize. I should like to divide this into three parts, one, Inspection and Regulations to Prevent Fires Before They Occur. Two, Organization of Guard Forces and Watchmen to detect fires and extinguish them before they assume major proportions, and three, Control and Extinguishment of serious fires.

With the help of the "Blue Bible", as we call it, or the little book entitled "Safeguarding Waterfront Properties", prepared for the Coast Guard by the National Board of Fire Underwriters, plus the cooperation of insurance inspectors, Fire Department inspectors and waterfront owners, we have conducted a survey of every important waterfront facility in the country. Information has been exchanged to insure uniform conditions so far as possible in the light of available material, importance of facilities, and willingness of owners to cooperate. Piers and wharves have been made reasonably safe from many hazards and have been supplied with adequate fire aids and fire fighting apparatus.

As an example of the statement just made, the Coast Guard in Portland procured 100 hand pump extinguishers from the Office of Civilian Defense and distributed them to strategic points along the waterfront, marking them by red signs, stating "Fire Extinguisher Here", which can readily be seen from some distance. These extinguishers are inspected daily and kept filled by Coast Guard personnel.

Next, but by no means of lesser importance, are the rules and regulations which require safety measures to be taken on all ships while in port, such as deck watches, gangway watches, and cleanliness in all parts of the vessels. Last, but not least, the prohibiting of smoking except in certain designated areas.

The second part of our Fire Prevention effort concerns prompt attack against fire and its extinguishment before it assumes serious proportions. In order to do this, the Coast Guard has organized forces in all important ports of the country. In the beginning, the forces were composed of regular coast guardsmen, but now that the demands afloat have taken a large percentage of the regulars to man escort vessels, transports, and landing craft that have been assigned to us, a temporary reserve has been organized which is composed of men who, through patriotism and enthusiasm,

New York Office—104 Fifth Ave.

Telephone WATKINS 6298

C. S. WILLIAMS LACQUER CO.

FORMERLY PEARL CHEMICAL PRODUCTS CO.



217 CHAPMAN STREET

PROVIDENCE, R. I.

IMPERIAL JEWELRY CO.

Manufacturers of

Jewelry Novelties



90 ELM STREET

PROVIDENCE, R. I.

BOJAR COMPANY

Jewelry Manufacturers



107 STEWART STREET

PROVIDENCE

RHODE ISLAND

GRIMES BOX COMPANY

Plywood and Corrugated Fibre Boxes



EAST PROVIDENCE

RHODE ISLAND

devote at least 12 hours of their time each week, in order to relieve a regular coast guardsman for sea duty. Many of these reserves have worked faithfully in foul weather as well as fair, and have enabled us to maintain our patrols on a 24-hour basis despite the serious shortage of man-power. Prompt detection of fires and extinguishment on the spot with available fire aids and equipment, has averted many serious fires. The saving effected by these men alone goes a long way toward paying for the cost of the entire program. There are between 9,000 and 10,000 of these reserves in New England; nearly one-fifth of the number in the entire country. Their work is far from glamorous, but it is extremely necessary and I believe I am safe in expressing the heart-felt thanks of all of us when I say "Keep up the good work, boys".

I believe those of you who have worked with the Coast Guard are familiar with the third phase of fire fighting efforts when a serious fire threatens. The Coast Guard Security Officer reports to the local Fire Department Chief in charge of operations. They receive orders from the Chief as to what equipment and man-power are needed. In Portland, we have two fireboats, one of the Hanley type and one of the Converted type, four trailer pumps, and numerous skid pumps. The fireboats are berthed at the Portland Yacht Club and the club house serves as quarters for the crews. There is a direct line to this station connected to the city's fire alarm system, and one Coast Guard boat answers all calls automatically with the city fireboat. The other boat remains in an alert status. Other equipment is dispatched to the scene as requested by the local Chief in charge. Directions remain with the Chief in charge, and ours is an auxiliary service which we are proud to offer in furtherance of the war effort. I can speak with authority as to the cooperation between the cities of Portland and South Portland. While there is no direct connection with South Portland, we answer their calls. This cooperation has been of the finest and we in the Coast Guard hope its continuance.

In closing I want to say that I hope I have given you here today a picture of the Coast Guard and its efforts to protect the vital ports of this country from a fire and sabotage standpoint. It has been a great pleasure for me to be here and see some of the old familiar faces I have missed since entering the Service, and I say to you all, "Keep up the Good Work." Thank you.

CHIEF STACKPOLE: I move that Lieut. Clifford's address be made a part of the record.

Motion seconded.

PRESIDENT LAWTON: Any remarks? If not, all in favor of that motion will say aye; opposed, no. It is a vote.

We will now hear from Percy C. Charnock, Assistant Manager, New England Fire Insurance Rating Association, on the topic Water Supply and Its Relation to the Fire Service.

WATER SUPPLY AND ITS RELATION TO THE FIRE SERVICE

P. C. CHARNOCK

Manager, New England Fire Association Rating Association

This is a broad subject and would require a much longer time for discussion than could be allowed at this session. I am going to discuss it more in respect to the smaller municipalities, although a great deal that I plan to say would be applicable to the larger communities. What is one of your first thoughts on arriving at a fire, other than a determination as to where the fire is located and the possibility of the need of rescue of persons? Generally this is a question of how much water

GOOD FOOD — QUICK SERVICE

WE SERVE ONLY THE BEST

Telephone GARRison 9528

HON HONG
CHINESE-AMERICAN RESTAURANT

WE SPECIALIZE IN CHINESE DISHES

BOSTON CHINATOWN STYLE. ORDERS PUT UP TO TAKE OUT

194 WASHINGTON STREET

PROVIDENCE, R. I.

F. M. DALEY, President WM. R. TODD, Treas. R. A. HOLBROOK, Vice President

THE SPONGE RUBBER PRODUCTS CO.

Manufacturers of

CELLULAR RUBBER PRODUCTS

SHELTON

CONNECTICUT

PLANTS IN DERBY and SHELTON, CONN.

COMPLIMENTS OF

FRAM CORPORATION

EAST PROVIDENCE

RHODE ISLAND

Liberty Tool and Gage Works, Inc.

DESIGNERS AND BUILDERS OF

TOOLS -- GAGES -- SPECIAL MACHINERY

MANUFACTURERS OF

LIBERTY HIGH SPEED HORIZONTAL and VERTICAL SURFACE GRINDING ATTACHMENTS
JIGS • FIXTURES • PUNCHES • DIES

CONTRACT ENGINEERING
PRODUCTION and TOOL ENGINEERING

235 GEORGIA AVENUE

PROVIDENCE, R. I.

Telephone Williams 7805

PATTON-MacGUYER COMPANY

PROVIDENCE

RHODE ISLAND

SMALL METAL STAMPINGS

C-M MJL

PAPER BOXES DISPLAYS

PROVIDENCE

RHODE ISLAND

SILVERMAN BROTHERS

WAR WORK INSIGNIA JEWELRY

PROVIDENCE

RHODE ISLAND

Telephone GAspee 0717

Orders to Take Out

CHEN'S RESTAURANT

CHINESE-AMERICAN DISHES



124 WASHINGTON STREET

PROVIDENCE, R. I.

TELEPHONE HOPKINS 1920

CITY LINE WELDING COMPANY

ELECTRIC AND ACETYLENE



**80 HATHAWAY STREET
PROVIDENCE, R. I.**

Compliments of

Blackstone Valley Gas & Electric Co.

PAWTUCKET

MARINELLI BROTHERS COMPANY

Manufacturing Jewelers



101 SABIN STREET

PROVIDENCE

RHODE ISLAND

FRANK MORROW COMPANY, Inc.

Defense Production Division



129 BAKER STREET, PROVIDENCE, R. I.

Phone: Williams 1430

can be had for combating the fire. I would hazard a guess, however, that few have very much idea as to the amount of water which can be obtained at various points throughout the municipality.

The static pressure on a hydrant means but very little, the size of pipe is possibly one indication, but does not prove the case, much depends upon the length of the pipe and what the feed to it is. What can you do to know more about the amount of water which the system can supply for fighting a fire? First it is suggested that you obtain a map of the water distribution system, being sure to keep this up-to-date at all times. By studying this map you, of course, can get a general idea from the pipe sizes as to where more water would be available in some places than in others. Of course you can expect, everything being equal, to find more water near the pumping station or a standpipe or reservoir, and where the mains are of good size.

There is, however, a much better way of determining this, and that is by making actual tests of groups of hydrants, such as the National Board of Fire Underwriters does, and also other underwriting and inspection bureaus. Again, a fair indication of water supply is to conduct an individual test on each hydrant, opening the hydrant with a gauge on one of the outlets, and dropping the pressure on that gauge, say to 20 pounds. If such tests are made, hydrants can be classified into three groups, as is done in a number of territories. Hydrants painted, let us say red, or having a red distinguishing mark on them would be those which would deliver less than one fire stream, or 250 gallons a minute. Those marked yellow would be capable of delivering 500 gallons a minute and those marked green would deliver 1,000 gallons a minute or more. Of course, this does not tell the total amount of water which is available around a fire, but it is much better than guessing as to the amount.

In a small community, yes, in a large community as well, you should know how long the supply of water will last. There are many factors in this connection to which the chief and his aides should give a great deal of attention. How often does the water department tell you that one or more of the pumps are out of service for repairs or because of accident? How often does that department tell you the reservoir or the standpipes are only partly filled? How often does information come to you that there has been a break in a main which has taken a lot of water from the storage basins, and may have required shutting down certain mains? The water department should, of course, keep you advised of these, but there is not always this desirable cooperation, and I believe it is a responsibility of the head of the fire department to endeavor to keep abreast of these things.

You may question how this can be done. One way is to provide pressure gauges at your fire station, preferably of the recording type. But it is of no use merely to install these gauges unless a study is made of the gauge readings. It shall be somebody's duty to determine frequently during day and night as to whether the pressures are at a normal point. If they are not then is the time for the fire department to ascertain why. It may be that the pumping station, because of the pumps being out of service, are not able to keep up with the demand and, therefore, pressure is reduced. It may be that the pumping station is not incapacitated, but the reservoir level has fallen seriously because of unexpected heavy drafts on the system. If for instance, there has been some accident to the pumps, there may be an opportunity for you to cooperate with the water department by suggesting that you could loan them a pumping engine, or that you might be able to borrow one

Compliments of

W. A. WELLS



PROVIDENCE, R. I.

A. MICALLEF & CO.

MANUFACTURING JEWELERS



158 PINE STREET, PROVIDENCE, R. I.

Established 1904

GAMWELL & INGRAHAM



INSURANCE AND REAL ESTATE

Friendly, Helpful Cooperation and Service

**1612 Industrial Trust Building
PROVIDENCE**

**Phone: Gaspee 9800
RHODE ISLAND**

"Where you are Always Welcome"

ATLANTIC TUBING & RUBBER CO.



**1756 CRANSTON STREET
CRANSTON, R. I.**

for them whereby water could be pumped into the system through an adjacent hydrant.

Only rather recently an unexpected draft during a very hot spell suddenly reduced the pressures of quite a considerable area of one town, and, in fact, the stand-pipe was very nearly empty, due to the fact that there had been much water used for lawn sprinkling, and the local pumping station could not keep up with it. The fire department loaned two of its O.C.D. pumps and pumped from hydrants on another service where there was ample water, and finally filled the standpipes.

The speaker recently received a letter from a member of a fire department—not the head of the department—in which he said he had learned that this subject was to be discussed at this meeting, and told of some of his endeavors to have the local fire department learn more about the capabilities of their local water system. Naturally, I was much pleased to receive this comment, since I had planned to discuss this particular point with you. He spoke of their utilizing a 400-gallon pumping engine, going around to various hydrants to determine if they could get 400 gallons a minute, which of course is of some value, but does not tell the whole story. He specifically asked that I discuss the question of pumping into distribution systems from ponds or rivers at the time of a serious fire, and when it was found that the water supply was inadequate.

This raises a very serious point, due to the fact that most ponds and rivers are polluted, and by pumping into the water mains there is very great hazard of spreading disease. On the other hand, the decision must be made as to whether the entire town is to be destroyed by fire, and if so, of course something must be done. Of course by pumping into the mains, much more water can be put on the fire at more effective pressures than by laying long lines of hose from the static source of supply. It may be that valves could be shut around the fire so that this polluted water would not go into the rest of the system, but ordinarily that would take a great deal of time. Naturally this should not be done without the help and cooperation of the local water department, whose duty it would be to immediately notify all the inhabitants that water should be boiled until further notice, and the water department would also take steps to flush and chlorinate the system.

Where it is known the water supply in a certain locality is inadequate for serious fires, and there are ponds or rivers from which water can be pumped by the fire department, it would seem that rather than to depend upon pumping into the water distribution system and take the chances of spreading disease, it would be much more to the point to lay sub-surface mains from these emergency sources of supplies, providing a suitable platform where pumpers could readily take suction and discharge into this main. Of course, it would not be economically sound to extend this pipe line through all of the community, but in small municipalities or areas where serious fires might be expected the cost would not be relatively large.

Having knowledge of the amounts of water available from the water system and the length of time this supply can be expected to continue brings us up to another phase of the relationship of water supply to the fire service, that is, the judicious use of this water. I do not mean any attempt to minimize the use of this in order to cut down water damage, but rather how to effectively use the available supply. Oftentimes in a small community the tendency for a large fire is to put on as many lines as there is hose available, frequently over-taxing the system and thus providing ineffective streams. In regard to this I am going to cite to you two examples. The first occurred in a city in Louisiana where a large area of Five & Ten Store was

Young Bros. Mattress Co., Inc.

Makers of The Famous
"GOLD MEDAL BRAND"

**25 CHARLES STREET
PROVIDENCE**

Compliments of

ANDERSON-LITTLE CO., Inc.

MFG. OF MEN'S CLO'S

• BUY DIRECT •

9 PLEASANT STREET PROVIDENCE, RHODE ISLAND
Ga. 4284

LINCOLN MACHINE COMPANY

INCORPORATED

MECHANICAL ENGINEERS AND MANUFACTURERS
SPECIAL MACHINERY MADE TO SPECIFICATIONS

Member of the National Metal Trades Association

PAWTUCKET, RHODE ISLAND

JOHN N. McDEVITT, President-Manager

CAROLINA FREIGHT CARRIERS CORP.

Established 1931

EXECUTIVE OFFICES . . CHERRYVILLE, NORTH CAROLINA

Direct Service Between

**Textile Carolinas, Tennessee, Georgia, Florida,
and Industrial Northeast**

**378 CHARLES STREET
PROVIDENCE, R. I.**

GAspee 5144 and 5145

involved. The fire was belching through the front doors and windows when the department arrived, it had not reached into the upper two floors. The first two streams which were laid to the front of the building were mainly effective, but soon these drooped and were not hitting the fire at all, this was due to the fact that numerous other lines had been brought into play, and even with the two pumping engines, which were located at some distance from the fire, they were unable to provide good streams. The speaker discussed this with the local chief, who at first was reluctant to cut down the number of lines, but finally did so. Instead of having eight or ten lines there were four good streams which reached to the heart of the fire and not too long after placed it under control. Later this chief said that he had learned a lesson, but his previous ideas were that a better fire fighting job could be done by laying as many lines as possible.

The other case happened in northern Maine at 30 below zero, where again the department laid all of its hose directly from hydrants and failed to use a 750 gallon pumping engine which had recently been delivered,—this water system was good for approximately four fire streams. Here, the chief of the department was not present, but your speaker, in conference with the assistant chief, advised it would be good policy to use three lines from the 750-gallon engine and to take off one direct hose line from the hydrant directly across from the building. Here again when the change was made, the fire was soon brought under control. I am certain, however, if the fire had been fought as was started, by using six to eight ineffective streams, the fire would have gotten away.

Another thing I have noticed in my travels, which has a bearing on the effective use of a water supply, is that frequently pumpers are connected to hydrants with soft suction. Unquestionably this is easier and quicker than using the cumbersome hard suction, but isn't it better when apparatus arrives at a fire which manifestly is going to be large, to immediately look up the stiff suction and avoid the shutting down which eventually is bound to come when more water is drawn from the distribution system. Further, it seems questionable that two pumping engines should be connected to one hydrant, first, there are few locations where hydrants are of sufficient size or connections to the mains are large enough to permit two good size pumping engines to take sufficient supply through one hydrant. Therefore, it seems much better to place the two engines at separate hydrants where they both can work to capacity. If it is necessary to place two pumpers on one hydrant, it would seem this is an indication that there are sufficient hydrants available, therefore the department's problem is to have the water superintendent install additional hydrants in this area.

It really seems unfortunate to waste water by using ineffective streams, by that I mean not only streams that fail to strike into the heart of the fire, but those that just hit the cornice or the window, splashing all over the exterior of the building. Generally it would be much better to shut down these streams and to allow this water to be taken through other lines. It is my belief that in most cases where we have these ineffective streams, it is due to the fact that the department has not planned beforehand just where streams are to be taken from and where pumpers are to be placed.

In a small community, and in the large city, it is not difficult to plan beforehand for a fire in practically every building of any size, just where streams will be placed, particularly powerful streams such as turrets and ladder pipes and in the large cities, water tower. The plan will vary in accordance with the direction of the wind, but

COMPLIMENTS OF

Rueckert Manufacturing Company

CASE MAKERS

PROVIDENCE

RHODE ISLAND

Chemical Products Corporation

Lacquers • Solvents • Nitro-Cellulose Solutions • Paints

Office and Plant

55 PAWTUCKET AVE.

RUMFORD, RHODE ISLAND

Freight Address, Phillipsdale, R. I.

Standard Nut and Bolt Co.

BOLTS • NUTS • SCREWS • PUNCHINGS

SCREW MACHINE PRODUCTS

STEEL • BRASS • BRONZE • MONEL METAL

ALUMINUM AND OTHER METALS

VALLEY FALLS

RHODE ISLAND

U. S. A.

FALL RIVER & NEW BEDFORD EXPRESS COMPANY

BOSTON - PROVIDENCE MOTOR EXPRESS

FALL RIVER
Telephone 6937

BOSTON
153 Albany Street
Tel. Hancock 0210-0211.

PROVIDENCE
Tel. GAspee 0541

NEWPORT
Telephone 1033

NEW BEDFORD
Telephone 2-5542

TAUNTON
Telephone 2010

certainly you can have a very good picture of just where you would place streams, assuming some particular building is involved. In fact, it would be a good plan to discuss this in the classroom and of actually laying the hose lines to various of these buildings as part of the practice work in the department.

In studying this problem there should be, of course, knowledge of the water discharge from tips normally used through various sizes of powerful stream nozzles. You may recall that 50 pounds nozzle pressure gives a good stream, but a better one is obtained at 75 pounds. A 75 pound stream from a 1½-inch nozzle is about 570 g.p.m.; from a 1⅝-inch 680 g.p.m.; from 1¾-inch is 780 g.p.m.; and from a 2-inch nozzle slightly over 1000 g.p.m. It is thus demonstrated that up to a 1¾-inch nozzle it requires practically the full capacity of a 750-gallon pumper to have an effective fire stream, and with a 2-inch nozzle 2-500 gallon units or 1000 gallon pumper. Ordinarily it seems at large fires that pumpers do not work at full capacity, and that if a little more study and supervision of the operation of these pumps is given, that larger and more effective streams would be made available.

I do not want to leave the subject of water supply at merely the combating of fires in buildings, but would like to say just a few words in respect to water or forest fire fighting. There have been a number of projects started to develop water holes, but observation seems to indicate these have not been well maintained, and it is the belief of many that much more could be done in the control of forest fires if the plan of developing water holes and approaches to fire beds of water supplies is expanded and that these are properly maintained. It is, of course, a foregone conclusion that the development of such supplies must be at or near the edges of traveled highways or of roads through the woods, but there is hardly any forest area but what there could be developed some source of suction supply where pumpers can come and fill up their tanks and transport water back to the seat of the fire.

I recently went to a very serious forest fire in Massachusetts where there were several brook supplies which had not been suitably developed. Even for the forest fire service the flow in one of these brooks was not very heavy, but it was noticed a pumper was attempting to draft water from it through a small suction hose and one of the firemen was down in the brook holding his hand over the top of the suction strainer attempting to exclude air from getting into the suction line and breaking the vacuum. How simple it would have been had someone sunk a barrel into the bed of this brook, and even if no care had been given it previous to the time of this fire, the silt or dirt which may have been carried into this barrel could have been easily removed and a pumper could readily draft water from it, and at the rate at which the brook was delivering water to the barrel.

In forest fire work if some previous planning is made somewhere along the same lines as we have suggested in planning for the building fires, I am certain it will help to a great degree in curtailing the losses in our forest land.

CHIEF HILL: I move that Mr. Charnock's paper be made a part of the record. Motion seconded.

PRESIDENT LAWTON: Any remarks? If not, all in favor will say aye; opposed, no. It is a vote.

SECRETARY O'HEARN: I have a letter from Art Baker, President International Association of Fire Chiefs, that I will read at this time.

D. M. WESTON & CO.

INCORPORATED

RIGGING CONTRACTORS

Specialists in Moving All Kinds of Machinery, Safes, Boilers,
Tanks, Engines, Etc.



228 SOUTH WATER ST.

GA. 7567

PROVIDENCE, R. I.

GEORGE F. BERKANDER
INCORPORATED



PROVIDENCE, R. I.



ROBERT G. HOLT and ASSOCIATES

FIRE, MARINE AND CASUALTY

INSURANCE

FIDELITY AND SURETY BONDS

58 WEYBOSSET STREET

PROVIDENCE

National Collapsible Tube Co.

Telegraph and Cable Address Kapko, Providence Bentley's Code Used



PROVIDENCE
RHODE ISLAND, U. S. A.

NEW ENGLAND ASSOCIATION OF FIRE CHIEFS

Chief Michael W. Lawton, President
New England Association of Fire Chiefs
The Balsams, Dixville Notch, N. H.

Lewistown, Montana,
June 24, 1944.

Dear President Mike:

As President of the International Association of Fire Chiefs, I extend greetings and best wishes for a most successful conference at the Balsams.

Advise the officers and members of your Association that during my tenure of office, I had hoped to have the pleasure and honor of attending your annual conference and at that time it would be my privilege to personally meet all of the Chiefs of your district. Inasmuch as that is not possible at this time, I will be looking to the future in hopes that some day I may have that honor.

The forecast for the 71st Annual Conference of the International Association of Fire Chiefs which will be held in the city of Grand Rapids, Michigan, August the 28th to the 31st inclusive, is better, fairer and warmer as the time draws nearer.

The tentative program is developing into such an ideal, educational and up-to-date practical one, that I am communicating this information to your members that they may have an opportunity to contact non-member Chiefs in their immediate districts in an endeavor to secure additional attendance at what I honestly believe will prove to be the most educational and progressive meeting in the history of the Association.

The possibility and practicability of developing the field of fire service is so apparent today, that every fire chief should exert his best endeavor in assisting in the upbuilding of his chosen profession.

As a personal contribution to the good of the cause, can't you and the members of your Association exert your best endeavor to secure one hundred new members? In doing this, you will be doing the new member an unforgettable favor and, at the same time you will be assisting in the upbuilding of your profession.

With kind regards and best personal wishes to yourself, the officers and members of your Association and particularly to the Chiefs whom I have had the pleasure of meeting.

Cordially yours,

Chief Art J. Baker,

President International Association of Fire Chiefs.

MR. O'HEARN: I move that this letter be received and made a part of the record.

Motion seconded.

PRESIDENT LAWTON: Any discussion? If not, all in favor will say aye; opposed, no. It is a vote.

June 28, 1944.

Chief Daniel Tierney,
Chairman Firemen's Association,
The Balsams,
Dixville Notch, New Hampshire.

Please convey to your fellow chiefs in session my best wishes for a successful and most pleasant convention. Two of my emissaries, Malcolm McBride and William Noonan will convey my personal felicitations to those assembled at the Balsams.

RICHARD M. RUSSELL,

Ex-Mayor of Cambridge and Former United States Congressman.

COATED TEXTILE MILLS, Inc.

Manufacturers



PAWTUCKET

RHODE ISLAND

LEDERER REALTY CORPORATION



100 STEWART STREET

PROVIDENCE

RHODE ISLAND

CARL-ART INC.

Makers of Chains and Jewelry

95 CHESTNUT STREET

PROVIDENCE

RHODE ISLAND

SPECIALTY—FASHION JEWELRY

ROWLEY CONSTRUCTION CO.

ESTABLISHED 1900

Building Contractors



260 CENTRAL AVENUE

PAWTUCKET

RHODE ISLAND

At this time I will ask Mr. George Richardson if he would care to say a few words of greeting from the International Fire Fighting Association.

MR. RICHARDSON: Mr. President and Members of the New England Association of Fire Chiefs: I want to say that I am rather a stranger at this Conference although for a number of years your secretary knows I have been a member of your Association. I am not a stranger to New England as my good friends Dan Tierney, and Decourcy, from Winchester will remember that I went to school in their towns.

I bring you the greetings of the International Association of Fire Fighters throughout the United States and Canada. We have now 60,000 members in our Association. We are interested in the same objectives that your Association is. We are interested in the improvement of the fire service of the nation, and the members of the fire service.

I think every one of you recognizes the changes that have taken place in the fire service in the last 25 years, during the time our organization has been in existence. We feel there are a great many problems facing us during this war, and afterward. We believe that with the cooperation of the fire chiefs of the nation in our Association that we can make a better fire service and give the public better service, and that is the objective of our Association in the near future.

In order not to take up your time I just want to express to your President and other officers my appreciation of the courtesies extended to me. I have enjoyed meeting a lot of you and am sure that in the future you will get to know me better as we grow in New England through your connection with our Association. I thank you for this opportunity of saying hello to all of you Chiefs in New England.

PRESIDENT LAWTON: Chief Koltonski, can you report the number of registrations?

CHIEF KOLTONSKI: The total registration is 409; 199 paid \$3; 5 paid \$6; 9 paid \$9. Total \$708 received. 30 new members taken in at this Conference; we had 150 active; 80 associate; 41 male; 108 female; 15 new active members; 15 new associate members. Several chiefs brought guests that they did not register, so that our total will be more than 409.

CHIEF HILL: I move that this report be accepted and placed on record.

Motion seconded.

PRESIDENT LAWTON: Any discussion? If not, all in favor will say aye; opposed, no. It is a vote.

We will have the report of the Committee on Courtesies.

CHIEF POTTER: The twenty-second annual conference of the New England Association of Fire Chiefs has come to a close. This conference has been one of the most outstanding in the history of this organization. The sincere thanks of the Association is extended to His Excellency, Governor Robert Blood of New Hampshire, His Honor, Mayor Carl E. Morin of Berlin, to Chief Oscar Berquist and the officers and men of the Berlin Fire Department, to our genial host, Captain Frank Doudera, to the Reverend Father Henry J. O'Connell, to the Kiwanis Club Quartette, to the Brown Company and its employees, to the New Hampshire Fire Insurance Company, to Mr. Frank Vennett, to all of the excellent speakers on the program, and to any others who in any way contributed to the success of this conference.

Committee on Courtesies, { Oscar B. Berquist
Stuart M. Potter
Arthur W. Spring

HARRY SANDSEA CO.

MACHINE TOOLS



**72 CLIFFORD STREET
PROVIDENCE, R. I.**

Albert Manufacturing Company

Manufacturers of Costume Jewelry by Alberta

**General Offices and Factory
85 SPRAGUE ST., PROVIDENCE, R. I.**

**SHOWROOMS
New York City, 339 Fifth Ave. San Francisco, 704 Market St.**

Interstate Plating Company

***Electroplating, Mechanical Plating, Polishing, Plating
to Specification***

227 EDDY STREET, PROVIDENCE, R. I.

PAUL D. JORJORIAN, Gen. Mgr.

TELEPHONE GAspee 4616

Tel. GAspee 5330

JOHN A. GAMMONS, Inc.

***ALL KINDS OF INSURANCE
BONDING AND REAL ESTATE***

**COR. DORRANCE AND WESTMINSTER STREETS
PROVIDENCE RHODE ISLAND**

CHIEF O'HEARN: I move that report be accepted and placed in the record.
Motion seconded.

PRESIDENT LAWTON: Any discussion? If not, all in favor will say aye; opposed no. It is a vote.

The next business is the election of officers. The first is for president.

CHIEF KOLTONSKI: For president I nominate Allen F. Payson of Camden, Maine. Nomination seconded.

PRESIDENT LAWTON: Any other nominations?

Moved that nominations be closed. Motion seconded.

PRESIDENT LAWTON: Any remarks? If not, those in favor will say aye; opposed no. It is a vote.

We will act on the nomination of Allen Payson. Do you wish to do this by ballot?

Moved that the secretary cast one ballot for Allen Payson.

Motion seconded.

PRESIDENT LAWTON: Any remarks? If not, all in favor will say aye; opposed no. It is a vote.

The secretary has cast one ballot for Allen Payson for president, and I declare him elected.

President-elect Payson took the Chair.

PRESIDENT PAYSON: My first duty is going to be probably the pleasantest one of all. We like to give the outgoing president a badge of honor of his office, and I take a great deal of pleasure at this time in pinning on to our friend Mike this badge as an emblem of the office he has so faithfully filled during this past year. (Applause.)

CHIEF LAWTON: I want to express my appreciation of the honor of being your president, and at this time I want to thank all of the officers and members for their splendid cooperation. It is a pleasure to hear the comments that we have heard of a very successful convention, and every one of you deserves a part of that praise for the successful carrying out of the program of this conference.

PRESIDENT PAYSON: Once again I give you something, at someone else's expense. It is my privilege to present you with something from this conference. You have presided with dignity and honor, and we appreciate your work and wish you many, many, years of good health. When you look down and see this bag may it bring you pleasant recollections.

CHIEF LAWTON: Without the bag, I would never forget the pleasure I have had in serving the conference.

PRESIDENT PAYSON: This organization makes public only the first payment on a gift, and you assume the balance.

CHIEF LAWTON: I will make the last payment tomorrow.

PRESIDENT PAYSON: Gentlemen, I want to thank you for the honor of being your president. Through my association with the New England Fire Chiefs over a period of years I have aspired to be president of this organization, and have at last arrived. I sincerely hope I will not be a disappointment to you. And now, as one of our speakers said yesterday, we should take suggestions from every member, and we hope suggestions will come in, and your Board of Directors and officers will take care of them and do the best they can with them. These suggestions

Merchants Cold Storage & Warehouse Co.

INCORPORATED 1893

PROVIDENCE, RHODE ISLAND

CADY MOVING & STORAGE CO.

Storage • Moving • Packing • Shipping

80-90 DUDLEY STREET

PROVIDENCE, R. I.

JOSEPH C. HENSHAW, President-Treasurer CHARLES G. MORGAN, Vice President-Secretary

BEACH & SWEET, Inc.

General Insurance Agents

SINCE 1868

HOSPITAL TRUST BUILDING

PROVIDENCE

RHODE ISLAND

Telephone Williams 6311, 6312

CRAVEN-WHITTAKER CO., Inc.

MAKERS OF**JEWELRY HUBS AND DIES • MACHINE CUT DIES**

STEEL LETTER STAMPS • PLASTIC MOULDS

Mechanical Engraving

215 GEORGIA AVE.

PROVIDENCE, R. I.

should go to the secretary. We are still facing war conditions, but with patience, perseverance and a little work I think we can overcome every obstacle. I not only want, but I expect the cooperation of every member in giving you a good administration. My only hope is that I may live up to the standards set by your past presidents, and once more I thank you for the honor of being elected your president.

Nominations are in order for first vice-president.

CHIEF TIERNEY: I nominate Chief Frank J. Callahan of Central Falls, Rhode Island for First Vice-President.

CHIEF COTE: I second the nomination.

PRESIDENT PAYSON: Any discussion? If not, all in favor will say aye; opposed no. The motion is carried.

The secretary has cast the ballot of Frank J. Callahan for first vice-president, and I declare him elected.

VICE-PRESIDENT-ELECT CALLAHAN: Gentlemen, it is a real pleasure to be elected Vice-President, and I assure you I appreciate it a whole lot. I hope, with your cooperation and help, I can do a good job. Thank you very kindly.

PRESIDENT PAYSON: Next is nominations for second vice-president.

CHIEF FRENCH: It gives me a great pleasure to place in nomination Arthur W. Spring, Chief, of Laconia, New Hampshire.

Nomination seconded.

PRESIDENT PAYSON: Any other nominations?

Moved that nominations be closed. Motion seconded.

PRESIDENT PAYSON: Any discussion? If not all in favor will say aye; opposed no. The motion is carried.

Moved that the secretary cast one ballot for Chief Spring for second vice-president. Motion seconded.

PRESIDENT PAYSON: Any discussion? All in favor of this motion will say aye; opposed, no. It is a vote.

The secretary has cast the ballot, and I declare Arthur W. Spring elected as second vice-president.

VICE-PRESIDENT-ELECT SPRING: Mr. President and Brother Fire Chiefs, I appreciate what you have done in placing my name before the Conference for second vice-president, and I hope I will be able to live up to the reputation of the past officers of this Association. I have been a member of this organization for many years, and have had some wonderful times, and hope to live to enjoy some more good times. Thank you for giving me this honor, as I assure you I do appreciate it.

PRESIDENT PAYSON: Since coming to this conference I have met Arthur Spring for the first time, and we have had some good times together. He has been eating at the same table with "our gang", and I have learned to like him very much.

Next, is nominations for secretary-treasurer.

CHIEF ALLEN: Presidents may come and presidents may go, but the secretary goes on endlessly, and in reality he is the anchor for this organization. I place in nomination the name of John W. O'Hearn, based upon my education with some of the democrats.

Nomination seconded.

Moved that nominations be closed and that the president cast one ballot for Chief O'Hearn for secretary-treasurer.

COMPLIMENTS OF

Southern Massachusetts Oil Corp.

TAUNTON, MASS.

ODAM'S DYE HOUSE

INC.

TAUNTON, MASS.

The Collins Transportation Co.

INC.

TAUNTON, MASS.

NATIONAL SILVER CO.

TAUNTON, MASS.

Motion seconded.

PRESIDENT PAYSON: All in favor of the motion will say aye; opposed, no. The motion is carried. The President has cast the ballot, and I declare John O'Hearn elected secretary-treasurer.

SECRETARY O'HEARN: I will cut the customary speech. I have no criticism today, everything is favorable. Thank you for your continued cooperation, for in that way we will get along very nicely.

CHIEF ALLEN: The by-laws require that the salary be established for the secretary-treasurer, and I move that the salary be the same as last year. Motion seconded.

PRESIDENT PAYSON: All in favor of that motion, if no discussion, will say aye; opposed, no. Motion is carried.

Next in line is your Board of Directors and State Vice-Presidents. Last year Chief Oliver T. Sanborn, of Portland, Maine, was the one for that state.

CHIEF TURNER: I nominate Chief Sanborn to succeed himself.

Nomination seconded.

Moved that nominations be closed and the secretary cast one ballot for Chief Sanborn.

Motion seconded.

PRESIDENT PAYSON: Any discussion? If not all in favor of the motion will say aye; opposed, no. The secretary has cast the ballot and I declare Oliver T. Sanborn elected, as a member of the Board and State Vice-President for Maine.

CHIEF MAHONEY: I nominate Chief Charles H. French of Manchester, N. H. for that state.

Nomination seconded.

Moved that the secretary cast one ballot for Chief French.

Motion seconded.

PRESIDENT PAYSON: All in favor of that motion will say aye. opposed, no. The motion is carried. The secretary has cast the ballot and I declare Charles H. French elected a member of the Board of Directors and State Vice-President from New Hampshire.

CHIEF ALLEN: I nominate Alfred H. Koltonski of Rutland, Vermont as Director for that State.

Nomination seconded.

Moved that nominations be closed and the secretary cast one ballot for Alfred Koltonski. Motion seconded.

PRESIDENT PAYSON: It is moved and seconded that the secretary cast one ballot for Alfred H. Koltonski. Any discussion? If not all in favor will say aye; opposed, no.

The ballot has been cast and I declare Alfred H. Koltonski elected a member of the Board of Directors and State Vice-President for Vermont.

CHIEF MAHONEY: I nominate Chief Joseph E. Scanlon, of Lynn, Mass., as a member of the Board of Directors and State Vice-President from Massachusetts. Nomination seconded.

Moved that nominations be closed and the secretary cast one ballot for Chief Scanlon. Motion seconded.

TIRE ENGINEERING CO., Inc.

“Custom-built Supertreads”

1588 NORTHAMPTON STREET

HOLYOKE, MASS.

TELEPHONE 2-2755

OAKES

EVERYTHING ELECTRICAL

**HOLYOKE AND PITTSFIELD
MASSACHUSETTS**

HOLYOKE MILLS CO., Inc.



CABOT and BIGELOW STREETS

HOLYOKE, MASS.

HOLYOke 2-2972

HOLYOKE FABRICS, Inc.



CABOT and BIGELOW STREETS

HOLYOKE, MASS.

HOLYOKE 4530-4539

PRESIDENT PAYSON: Any discussion? If not, all in favor of that motion will say aye; opposed, no. The motion is carried and the secretary has cast one ballot for Chief Scanlon, whom I declare elected as a member of the Board of Directors and State Vice-President for Massachusetts.

CHIEF SAVAGE: I nominate Chief A. J. Cote, of Woonsocket, R. I., as a member of the Board of Directors and State Vice President for Rhode Island.

Nomination seconded.

Moved that nominations cease and the secretary cast one ballot for Chief Cote. Motion seconded.

PRESIDENT PAYSON: Any discussion? If not, all in favor of that motion will say aye; opposed, no. The motion is carried. The secretary has cast the ballot and I declare A. J. Cote elected a member of the Board of Directors and State Vice-President for Rhode Island.

Next is some one for Connecticut.

CHIEF KOLTONSKI: I nominate Chief Stuart M. Potter of Greenwich, Conn., as a member of the Board of Directors and State Vice President for Connecticut.

Nomination seconded.

Moved that nominations close and the secretary cast one ballot for Chief Potter. Motion seconded.

PRESIDENT PAYSON: Any discussion? If not, all in favor of that motion will say aye; opposed, no. The motion is carried, the secretary has cast the ballot, and I declare Chief Stuart M. Potter elected a member of the Board of Directors and State Vice-President from Connecticut.

CHIEF O'HEARN: I place in nomination the name of Michael J. Shea, of Fitchburg, Mass., for Sergeant-at-Arms.

Nomination seconded.

Moved that nominations be closed. Motion seconded.

PRESIDENT PAYSON: Any discussion? If not, all in favor of the motion will say aye; opposed, no. The motion is carried.

Moved that the secretary cast one ballot for Chief Shea.

Motion seconded.

PRESIDENT PAYSON: Any discussion? If not, all in favor of the motion will say aye; opposed, no. The ballot has been cast and I declare Chief Michael J. Shea elected as Sergeant-at-Arms.

CHIEF O'HEARN: By agreement with Chief Allen, if he placed me in nomination I would place him in nomination, and I nominate Chief Selden R. Allen, of Brookline, Mass., to be our New England Director to the International Association.

Nomination seconded.

Moved that nominations cease and the secretary cast one ballot for Chief Allen. Motion seconded.

PRESIDENT PAYSON: Any discussion? If not, all in favor will say aye; opposed, no. The motion is carried. The secretary has cast the ballot and I declare Chief Selden R. Allen elected.

CHIEF ALLEN: May I say that in the days ahead you may need priorities, and by gentleman's agreement many of those have to bear the endorsement of Chief Tierney, or myself, and if we can help you we want to do it, so do not hesitate to call on us.

CONNECTICUT LATH & SUPPLY CO.

MASON'S SUPPLIES

PHONE 3-3122
74 GOODSSELL STREET BRIDGEPORT, CONN.

JOHN R. WOODHULL

DRESSED BEEF

Provisions

**526-528 WATER STREET
BRIDGEPORT CONNECTICUT**

COMPLIMENTS OF

THE POST PUBLISHING CO.

BRIDGEPORT, CONN.

The Bridgeport Post

Bridgeport Telegram

Bridgeport Sunday Post

THE LOCKE STEEL CHAIN CO.

Steel Detachable Sprocket Chains

BRIDGEPORT, CONNECTICUT

CHIEF O'HEARN: It may be of interest to the members to know that Harry Belknap, who for a number of years was our newspaper representative and gave us a great deal of publicity, is still on the sick list. When he was taken ill we had an assistant appointed to Harry. This is Vincent C. Stanley, appointed by our President. We still have an official photographer, and he is here. Our chaplains are Rev. Father Collins and Rev. H. Chester Hoyt, who with his son, Rev. Paul C. Hoyt was with us at Rutland, but neither of them has shown up this year. There again, the duties of the President will continue, and there is no action necessary at this time. President Payson, I will reappoint all officers who served us last year by appointment.

That completes the list of officers and the next business would be to ask if there are any invitations for the next conference?

SECRETARY O'HEARN: I have none.

CHIEF ALLEN: I believe it would be for the best interests of the organization if we referred this matter, with power to act, to the Board of Directors, leaving it to them to fix the time and place of our next conference. I make that a motion.

Motion severally seconded.

PRESIDENT PAYSON: Any discussion? If not, it is moved, and seconded that the time and place of the next conference be left with the Board of Directors, with power to act. All in favor will say aye; opposed, no. The motion is carried.

Any other business?

CHIEF POPE: I nominate for honorary membership Roi Woolley, who gave that very excellent talk yesterday.

Nomination seconded.

PRESIDENT PAYSON: Any discussion? It is moved and seconded that Roi Wooley be elected to honorary membership of the Association. All in favor will say aye; opposed, no. It is a vote.

CHIEF ALLEN: I do think that the officers who have served us so efficiently deserve a rising vote of thanks. I so move.

Motion seconded, and carried by the rising vote.

PRESIDENT PAYSON: Any other business?

Moved that the Conference adjourn. Motion seconded.

PRESIDENT PAYSON: There being no objection I declare this 22nd Conference adjourned.

MR. GILBERT BROWN

Federal Telephone & Radio Corp., Newark, N. J.

Mobile radio equipment of a compactness and efficiency never before known was forecast for fire department use in the postwar era by Gilbert Brown, manager of FTR'S mobile equipment sales department, in an address to 300 members of the New England Association of Fire Chiefs, held at Dixville Notch, N. H.

Mr. Brown reported that by FCC permit in Circular 84, 116 fire departments in communities of 150,000 or more population may apply for their own radio frequencies. He said excessive current drain in mobile communications equipment was being given special study by FTR engineers. "Another problem we are concentrating upon," he stated, "is that of bulky equipment. You may expect a compactness in postwar fire department communications apparatus heretofore unknown in mobile equipment."

NORWALK COMPANY, INC.



P. O. BOX 475
SOUTH NORWALK, CONN.

The Warrenton Woolen Company

Incorporated 1845

UNIFORM CLOTHS A SPECIALTY



TORRINGTON

CONNECTICUT

ATLANTIC CARTON CORPORATION

MANUFACTURERS OF
Folding Paper Boxes
OF ALL DESCRIPTIONS

Factory and General Offices

NORWICH

CONNECTICUT

STORTS WELDING COMPANY

Manufacturers of
WELDED FABRICATIONS

OXY-ACETYLENE WELDING
METALLIC-ARC WELDING
OXY-ACETYLENE CUTTING

ATOMIC-HYDROGEN ARC-WELDING
CARBON-ARC WELDING
OXY-HYDROGEN WELDING

TELEPHONE 1991

FORTY-TWO STONE STREET

MERIDEN, CONNECTICUT

I have been asked to say a few words on radio communications as it may affect the Fire Departments of our country in the era immediately following the end of hostilities.

At the end of the last war radio broadcasting and many other developments were ushered in as a direct result of new developments made in radio communications for the war effort.

It has often been said that this is a war of communications and transportation and as to whether or not developments in transportation will give you faster and better rolling equipment I am not qualified to answer but it has been my lot to be closely associated with many of the yet secret developments in radio and radar.

Roi Woolley has informed you of the FCC action which now permits fire departments serving a population of 150,000 or over to apply for its own frequency allocation. This will permit approximately 116 metropolitan areas in the United States to make application under these rules which are known as Circular 84.

The fire department has certain requirements for communication which differs slightly from those of the police services and these will, of course, be given due consideration in our design program.

One of the major problems with which you are confronted in existing equipment is excessive current drain and this is being given careful consideration by Federal.

Another problem is that of bulky equipment and some of the features which you may expect to see in postwar fire department communications equipment is a compactness heretofore unknown in mobile equipment.

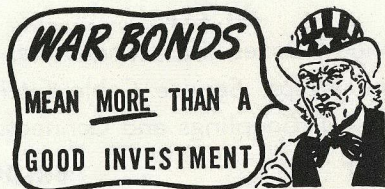
As a member of the Radio Technical Planning Board I am following closely suggestions made by other members and where these are applicable to the fire services you may expect to see them in forthcoming equipment.

Federal has "gone all out" for the war effort and since our 700 or more engineers are thoroughly conversant with all phases of new developments we will be in a position to make use after the war of any of these new ideas which could give you more desirable communications equipment.

This has been my first opportunity to attend a Fire Chiefs Convention and I am frankly astounded at what I didn't know about the problems of you Fire Chiefs. It is my honest opinion that every manufacturer should send a representative to these conferences and then in their industrial organizations abide by the information gained by listening to these many enlightening talks.

I joined your organization as an associate member yesterday and hope to see many of you at the forthcoming International Convention at Grand Rapids.

I wish to thank your officers and members for giving us this opportunity to address your conference.



COMPLIMENTS OF
CITY SAVINGS BANK
BRIDGEPORT, CONN.

COMPLIMENTS AND BEST WISHES
The Bridgeport Hardware Mfg.
Corp.
Makers of Mechanics' Hand Tools
BRIDGEPORT, CONN.

COMPLIMENTS OF
REMINGTON ARMS CO.
BRIDGEPORT, CONN.

THE
BRIDGEPORT SWITCH COMPANY
All Types
Cable Fittings, Conduit Boxes, BX Connectors, Conduit Fittings,
Malleable Iron Pipe Straps, Service Cable Fittings, (E. M. T.)
Thin-wall Couplings and Connectors
209 CENTER STREET **BRIDGEPORT, CONN.**

New England Assn. of Fire Chiefs Constitution

ARTICLE I.

Section 1. The officers of this Association shall consist of a President, First Vice-President and Second Vice-President, a Secretary and Treasurer, and a Vice-President for each state, who shall hold their offices for one year or until their successors are elected. All of said officers shall be elected by ballot at the annual meeting. None but active members "Chiefs or Ex-Chiefs" shall be elected to office.

Section 2, as amended 1936 convention. There shall be a Board of Directors, consisting of the President, First Vice-President, Secretary and the Vice-President from each state. The board shall meet at the time and place designated by the President. Only the actual expenses of the Board shall be paid by the Association.

Section 3. Three members of the Board of Directors, selected by the President shall constitute the auditing committee.

ARTICLE II.

Duties of Officers

Section 1. It shall be the duty of the President to preside at all meetings of the Association, and perform such other duties as may be incident to his office.

Section 2. It shall be the duty of the Senior Vice-President to perform the duties of the President during his absence.

Section 3. It shall be the duty of the Secretary to keep a complete record of the proceedings of the Association, the Board of Directors and the standing committees; of which he shall be an ex-officio member; to receive and answer all communications pertaining to the Association; cause to be prepared a full report of the proceedings of each annual convention, which report shall be printed in pamphlet form, and one or more copies mailed by him to each member of the Association within 90 days of such annual convention. He shall receive all communications, contributed papers on topics, etc., designed to be presented to the convention. He shall collect all moneys due the Association and pay the same over to the Treasurer previous to the final adjournment of the annual convention and at all other times when the funds in his possession amount to one hundred dollars (\$100.00) taking his receipt therefor and shall keep a correct account of same. He shall also employ such assistance as he may need for the collection of dues at the annual conventions and reporting the proceedings of the same and such other expenditures for clerical assistance at other times as may be approved by the Auditing Committee, and he shall execute a bond to the Association in the sum of Five Hundred Dollars to be approved by the Board of Directors, the expense of procuring same to be borne by the Association. The salary of the Secretary to be fixed annually at the meeting of the Association. He shall also perform such other duties as shall be assigned to him by the President and Board of Directors. He shall at all times retain a sufficient sum in his possession to defray the necessary incidental expenses of his office, but he or any other officer shall not assume an indebtedness exceeding twenty dollars without the approval of the auditing committee.

Section 4. The Treasurer shall have the custody of the funds of the Association; he shall receive all moneys from the Secretary except what is necessary for the expenses of the latter's office, giving his receipt therefor; keep a true account of all moneys received and disbursed; pay all bills after the same have been approved

***A PERMANENT MEASURE OF SAFETY
WHEN YOU INSTALL***

St. Pierre Red-Rung Fire Ladders

Endorsed and used by leading hotels, schools, institutions
and private residences.

ST. PIERRE CHAIN CORPORATION

50 FRANK STREET, WORCESTER, MASS.

Compliments of

BERKSHIRE LIFE INSURANCE CO.

★

PITTSFIELD, MASS.

"ALL OVER TOWN"

CROFT

CREAM ALE

THE MUTUAL INSURANCE AGENCY

131 CLARENDON STREET

BOSTON, MASSACHUSETTS

Telephone COMmonwealth 4755

by the Auditing Committee, signed by the President; and countersigned by the Secretary, and at the annual convention of the Association make a full and correct report of the same, and he shall execute a bond to the Association in the sum of One Thousand Dollars, to be approved by the Board of Directors, the expense, if any, of procuring same to be borne by the Association. The salary of the Treasurer shall be fixed annually by the Association at its annual convention.

Section 5. It shall be the duty of the Board of Directors to transact all the business of the Association during the time intervening between the annual meetings and to assign a list of topics to members of the Association. They shall have full power to expunge from the minutes, before printing, anything that is objectionable to the Association or its members. They shall make arrangements with railroads and steamship companies for carrying members to and from the place of holding the annual meetings of the Association, following their appointment, and communicate such arrangements to the members by letters, circulars and otherwise.

ARTICLE III.

Meetings

Section 1. The annual meeting of the Association shall be held at such place as the convention shall designate at its annual meeting, and upon such date as the Board of Directors and Chief of Fire Department of the city in which the convention is to be held shall determine, and twenty members shall constitute a quorum to transact business.

Section 2. Chiefs inviting the Association to hold its annual meetings in their cities shall understand that the Association expects and requires that their cities shall furnish, without cost, a hall suitable for holding the sessions of the Association, an exhibition hall of ample size to accommodate the apparatus, equipment, etc., that may be reasonably expected to be offered for exhibition, and suitable grounds for the testing of pumpers, trucks and other apparatus and appliance. The necessary fire engines, hose, nozzles and a sufficient number of men to carry out the test as may be required by the Exhibit Committee. The exhibit hall and the testing grounds shall at all times be under the sole control of the Exhibit Committee and under such rules as they may adopt. Badges for members, visitors and ladies shall be furnished free to the Association in such numbers as the directors may deem sufficient to accommodate the expected attendance. The material, design and workmanship of badges to be entirely in hands of local Chief. Entertainments, such as the local Chief may wish to arrange for, must not interfere with the business program of the Association.

Section 3. Nothing in Section 1 shall be construed as prohibiting the Board of Directors in case of extraordinary emergencies from changing place of meeting.

ARTICLE IV.

Membership

The membership shall consist of: A—Active; B—Associate; C—Honorary Life; D—Life; E—Contributing.

A. Active Members—Chiefs and Ex-Chiefs of Fire Departments, Fire Commissioners, Chiefs or Superintendents of Insurance Patrols and Chiefs of Private Fire Departments. Dues, \$3.00 annually. B. Associate Members—City or Town Officials, Assistant or Deputy Chiefs or members of fire departments, Individuals representing firms and corporations interested in the protection of life and property

Compliments of

CHINA INN

COOLIDGE CORNER

BROOKLINE, MASS.

BUY WAR BONDS AND STAMPS

BOSTON TOOL & DIE COMPANY

Makers of Precision Tools and Dies

9 STATION STREET

BROOKLINE, MASS.

Telephones—ASPinwall 6770-6771

ABINGTON

Abington Textile Machinery Works

19 CONGRESS STREET

BOSTON

BROWNING LABORATORIES, Inc.

WINCHESTER, MASS.

Manufacturers of Electronic Apparatus

OFFICE and MAIN PLANT
742-750 MAIN STREET

LABORATORY
751 MAIN STREET

Tel. Winchester 2121-2850-2851

against fire. Dues, \$3.00 annually. C. Honorary Life Members—Honorary Life Membership may be conferred upon active members upon their retirement from office, provided they have been members of the Association for a period of five years immediately preceding the date of their retirement, and provided further that they are not identified with fire protection from a commercial standpoint. Honorary Life Membership carries all the privileges of active membership without dues. D. Life Membership—First. Individuals, firms and corporations interested in the protection of life and property against fire shall be eligible to life membership upon the payment of \$100.00. Second. The Association may, by a majority vote elect any associate member to life membership without the payment of any fee; and any member so elected shall thereafter be exempt from dues for life. E. Contributing Members—Individuals and firms manufacturing and dealing in fire apparatus, supplies and fire prevention appliances and materials, exhibiting at the annual meetings shall pay an annual membership, of such sum as the Directors may determine from year to year, based upon the number of square feet required and used by them for their exhibit, provided that the membership for any one year shall not be less than ten cents per square foot of space used.

ARTICLE V.

Amendments

Section 1. This Association shall have full power, at any time or meeting, to alter, amend or revise the Constitution and By-Laws, but the same shall not be altered, amended or revised, except by a vote of two-thirds of the members present and entitled to vote, but no amendment shall be considered that has not been presented and read at a previous session.

BY-LAWS

Section 1. All members of this Association shall be required to pay a membership fee of Three Dollars (\$3.00) in advance.

Section 2. The Association shall have (through its Board of Directors) full power to levy an assessment and collect from the members an amount sufficient to cover the entire expense of said meeting.

Section 3. Any question coming before the convention for which no provisions are made in the Constitution and By-Laws, the presiding officer shall be governed in his decision by the rules laid down in Cushing's Manual.

Section 4. The President shall appoint all committees, and all standing committees shall be appointed at the first session of each annual meeting.

Section 5. The second day of each convention shall be reserved for exhibitors to display their various articles and improvements in fire apparatus.

Section 6. The exhibition hall shall be closed during the business sessions of the convention.

Section 7. The Secretary and Treasurer of this Association shall receive for his services or their services such sum annually as may be fixed by the Association.

Section 8. All papers to be presented at any meeting of the Association shall be forwarded to the Secretary thirty days prior to date of such meeting; and he may cause them to be published without expense to the Association in the Fire journals of the country.

PIONEER PARACHUTE COMPANY

INCORPORATED



MANCHESTER, CONN.

PACKERS TAR SOAP



MYSTIC, CONN.

RACKLIFFE BROS. CO.

INCORPORATED

Distributors **CURTIS WOODWORK** for Central Connecticut

**JOBBER & DEALERS IN CONTRACTORS' SUPPLIES
PAINTS & VARNISHES**

**GENERAL & BUILDERS' HARDWARE, WINDOWS, DOORS & TRIM
AGRICULTURAL IMPLEMENTS, HOUSEWARES & APPLIANCES**

PARK AND BIGELOW STREETS NEW BRITAIN, CONN.

TEL. 5000

DANIELSON MANUFACTURING CO.



DANIELSON, CONN.

NEW ENGLAND ASSOCIATION OF FIRE CHIEFS

Section 9. No member who is in arrears for dues and assessments for one year shall be entitled to vote and any member who is in arrears for two consecutive years, his name shall be dropped from the roll.

Section 10. Associate and Life Members shall be entitled to all the privileges of the Association except the right to vote.

Section 11. Applications for all classes of membership shall be approved by the Credentials Committee, and a majority vote of the Association shall elect.

Section 12. The Secretary shall not register or give a badge, or extend any courtesies of the convention to any one, other than ladies accompanying members, representatives of the press, Honorary Life Members and Life Members, except upon the payment of the regular membership fee.

RULES OF ORDER

Section 1. The presiding officer shall preserve order and decorum. All questions of order shall be decided by him, subject to an appeal by any member.

Section 2. Every member, when he speaks or offers a motion, shall rise in his place and respectfully address the presiding officer and when finished shall resume his seat. He shall confine himself to the question under debate, avoid all personalities and indecorous language.

Section 3. When two or more members shall arise to speak at the same time, the presiding officer shall decide who shall have the floor.

Section 4. A member called to order by the presiding officer shall immediately cease speaking on the question before the house, and shall not resume his remarks until the question is settled.

Section 5. No member shall leave the convention meeting when in session without permission from the chair.

Section 6. The evening of the first day of the annual meeting shall be set apart for the holding of services in memory of deceased brothers.

Section 7. The election of officers and selection of place for holding next annual meeting shall take place on the last day of the convention each year.

ORDER OF BUSINESS

1. Call to order.
2. Roll call.
3. Appointment of committees.
4. Reading of record of last meeting.
5. Reading of Communications.
6. Topics and essays.
7. Report of Secretary.
8. Report of Treasurer.
9. Report of committees.
10. Unfinished business.
11. Designation of place for holding next convention.
12. Election and installation of officers.
13. Adjournment.

W. H. NICHOLS & SONS

"NICHOLS" Hand Millers

"GEROTOR" Pumps

"ZENITH" Rayon Pumps

"WHITNEY" Hand Miller Parts

48 WOERD AVENUE, WALTHAM, MASS., U. S. A.

Telephone WAltham 0650

SUBURBAN HOME LAUNDRY OF NEWTON

225 CALIFORNIA STREET

NEWTON, MASS.

PEERLESS PRESSED METAL CORP.

191 ARLINGTON STREET

WATERTOWN, MASS.

COMPLIMENTS OF

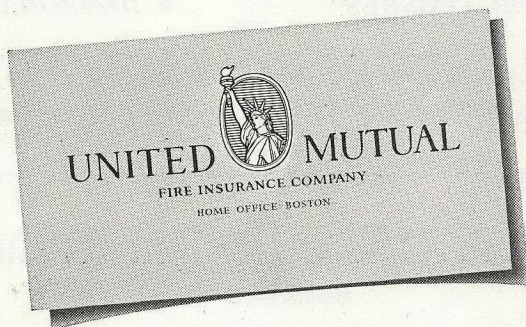
PACKARD PAINT-VARNISH CO.

100 Terrace Street, Roxbury Crossing

BOSTON, MASS.

The Service Sales Corporation of 52-54 Brookline Avenue, Boston, are the New England Representatives for Skilsaw, Incorporated of Chicago. Mr. Wilbur Jackson, of the Service Sales Corporation, during the meeting described the Skilsaw Portable Electric Hand Saw. There is one particular Skilsaw Electric Hand Saw known as Model "87" which when fitted with a flooring blade will cut through wooden floors to permit a line of hose to be inserted from one floor to another through such a hole, or to cut a hole through the floor to permit water to escape into the lower part of the building. This tool is priced at \$135 and the Flooring Blades cost \$5 each extra. The tool may be operated from a lighting circuit of 110V A.C. or D.C., or from a portable electric generator having a capacity of 2KW or more.

Service Sales will be glad to send to any interested Fire Chief a catalogue descriptive of these Portable Tools and further will be glad to demonstrate the manner in which these tools may be used when the services of a given fire department are required. It is suggested that you address your requests for catalogues or demonstrations to the Service Sales Corporation, 52-54 Brookline Avenue, Boston 15, Massachusetts, Telephone Number is Kenmore 0339.



THE New England Association of Fire Chiefs wish to thank our advertisers and friends for their support by advertising in our annual report.

MEMBERS, PLEASE

***The Advertisers* IN THIS BOOK ARE OUR FRIENDS. WITHOUT THEIR CO-OPERATION, THIS WORK WOULD NOT HAVE BEEN POSSIBLE. WHEN YOU ARE PROVIDING FOR YOUR NEEDS, PLEASE PATRONIZE THESE, OUR FRIENDS, WHO HAVE SO WILLINGLY HELPED TO MAKE OUR REPORT A SUCCESS.**

WARNING TO ADVERTISERS

Again we warn our advertisers against fraudulent solicitors. REPORT SUSPICIOUS PERSONS TO YOUR FIRE CHIEF, OR TO THE SECRETARY.

Pennsylvania Fire Insurance Co. **OF PHILADELPHIA, PA.**

Boston Department

KIMBALL, GILMAN & CO., Mgrs.

87 KILBY STREET

HANcock 8750

Walter R. J. Smith

H. W. Gilman

S. O. MacMullen

Unexcelled Floor Maintenance Materials **Sanitary Supplies**

- **FLOOR WAXES**
- **SOAPS**
- **FLOOR FINISHES**
- **METAL POLISH**
- **DISINFECTANTS**
- **DEODORANTS**

M. D. STETSON COMPANY

64 East Brookline Street, Boston, Massachusetts
COMMonwealth 3310

Gorham Fire Equipment Co.

Manufacturers of

SPECIAL AGENTS FOR
SEALAND CORP.
QUAKER CITY RUBBER CO.



DISTRIBUTORS FOR
FYR-FYTER CO.
ELKHART BRASS MFG. CO.

MOTOR FIRE APPARATUS FIRE DEPARTMENT SUPPLIES

356 Atlantic Ave., Boston, Mass.

HARRY J. LOVELL CO.

894 COMMONWEALTH AVENUE
BOSTON, MASS.

Tel. LONGwood 7080

NEW ENGLAND AGENT

B. F. GOODRICH FIRE HOSE

Standard of Comparison Since 1870

New England Members Known to Be in the Military Services of the United States

- Abbott, Wm. F., Springfield, Mass.
 Adams, John F., Chief, Milford
 Aikman, Lewis R., Service Mgr., Heil Co., 43 Horne Rd., Belmont, Mass.
 Allen, E. W., Medfield, Mass.
 Babcock, John E., Jr., Wakefield, R. I.
 Backman, Henry W., Waltham, Mass.
 *Beaupre, Augustus J., Lieut. Boston Fire Dept., 74 Central Ave., Hyde Park, Mass.
 *Bigelow, Edward F., City Treasurer, 22 Pleasant St., Marlboro, Mass.
 Bishop, Clayton W., Chief, Fire Dept., Onset, Mass.
 Blanchard, Donald N., Winthrop, Maine
 Bliss, Philip W., Brookline, Mass.
 *Bolger, Vincent A., 100 Richmond St., Dorchester, Mass.
 Britton, Tom D., Cleveland, Ohio
 Brown, Lyman G., Chief, Natick, Mass.
 Burgess, Lieut. Harold E., Danielson, Conn.
 Burgin, Thos. S., Mayor, Quincy, Mass.
 Cairns, Robert T., Special Agt., Providence Washington Ins. Co., Boston, Mass.
 Campbell, Luther B., Lieut., Fire Dept., 64 Archer St., Lynn, Mass.
 Cardarelli, G. Frank, Chief, Centerdale, R. I.
 *Clifford, Wm. H., 3rd Chief, Cape Elizabeth, Maine.
 Cram, Geo. D., New Bedford, Mass.
 *Cushing, Edward, L., Jr., Brighton, Mass.
 Dean, Gardner, "Boston Sparks Assoc.", Turner St., Brighton, Mass.
 *Deane, David G., Buffalo Fire Applia. Corp., 104 Washington Rd., Springfield, Mass.
 DiRocco, Patrick, 92 Litchfield St., Brighton, Mass.
 *Doyle, Frank J., Lieut, Fire Dept., 106 Queensberry St., Boston, Mass.
 *Eaton, Geo. M., Dorchester, Mass.
 Fitzgerald, James B., Boston, Mass.
 Ford, Laurence M., Redding Center, Conn.
 *Garner, Bronson S., 3 Summit Ave., Winchester, Mass.
 Gould, Richard K., Cape Elizabeth, Maine
 Grinnell, Chas. W., American Fire Equip. Agt., Ipswich, Mass.
 Hall, Herman S., State Supervisor, Hartford, Conn.
 Hamill, Walter L., Mgr. Homelite Corp., 36 Douglas Ave., New Haven, Conn.
 Heimer, Edward, East Hartford, Conn.
 Henig, Dr. F. G., Physician, Firemen's Home, Boonton, N. J.
 *Howard, Thurston, Chief, Waterford, Conn.
 *Hunt, George W., Jr., Deputy Chief, Fore River Shipyards, Quincy, Mass.

We Offer a Complete Thrift Program

A Savings Account for emergencies
A Mortgage for home ownership
A Life Insurance Policy for family protection
Vacation Tax and Christmas Club

NEWTON SAVINGS BANK

Newton, Massachusetts

"The Place for My Savings"

COMPLIMENTS

THE UCINITE COMPANY

NEWTONVILLE, MASS.

ESTABLISHED 1894

B. S. HATCH COMPANY

COAL OIL

**1290 WASHINGTON STREET
200 WEBSTER STREET**

West NEWton 2500

**79 UNION STREET
NEWTON CENTRE**

CENtre Newton 3810

NEWTON CENTRE SAVINGS BANK

Deposits go on interest on the 15th of each month
A Mutual Savings Bank conducted in the interest of depositors
by representative Newton men

Save and Keep Your Savings Safe

- Jones, H. LeRoy, Jr., Newport, R. I.
Kingman, Edward R., Arlington, Mass.
Lawson, Sidney F., Ex-Chief, Montpelier, Vt.
Lemoine, M. Gale, Homelite Corp., 1 Chickatabot Rd., Quincy, Mass.
Light, Francis P., Clerk Board of Fire Eng., Dover, Mass.
Madden, John H., 69 Montclair Ave., Roslindale, Mass.
*Magee, Richard A., Chief, Truro, Mass
Magner, William J., 5A Mapleton St., Brighton, Mass. (Capt. Boston Fire Dept.)
*Mansfield, George O., Chief Fire Inspector, Dept. Public Safety, Boston, Mass.
Miles, Chester W., Newton Upper Falls, Mass.
Miller, George J., Fire Commissioner, West Haven, Conn.
Pitman, Theodore B., Jr., Brookline, Mass.
Preble, Edward H., Belmont, Mass.
*Pring, Donald T., 20 Vine Brook Rd., Lexington, Mass.
Rees, Warren A., West Somerville, Mass.
Robichaud, Philip J., Chief, Hanson, Mass.
Rogers, Roland D., 105 East St., Chicopee, Mass.
Sherman, Edward D., Boston, Mass.
*Smiddy, Earl, Newton, Mass.
*Stillman, T. G., New York
*Sturges, Wm. F., Ridgefield, Conn.
*Tower, Gilbert S., Chief, Cohasset, Mass.
Watson, Charles, Deputy Chief, Hopedale, Mass.
*Wells, Ray D., Chief, Falmouth, Mass.
*Williams, E. W., Ex-Asst. Chief, 40 Central St., Lynn, Mass.
*Whiting, Samuel W., West Hanover, Mass.
*Whitney, G. G., Jr., Milton, Mass
Wisentaner, Leo A., Boston Fire Dept., 13 Linwood Sq., Roxbury, Mass.
Vanderbilt, William H., Ex-governor, Chief Fire Dept., Oakland Farms, R. I.

Right next door to everything

THE HOTEL TOURAINE

Fine Food, Attractive Rooms

Friendly Service, Moderate Rates

COMPLIMENTS OF

F. GANDE & SON

General Contractors

~
EVERETT, MASS.

ESTIMATES FREE

THOR ROOFING CO.

Roofing and Siding with Asbestos, Asphalt and Wood Shingles

~
504-510 RIVERSIDE AVE., MEDFORD, MASS.

Telephone MYStic 5420

JOHNS MANVILLE
SIDING — ROOFING — INSULATION

~
COLONY CONSTRUCTION CO., INC.

247 McGrath Highway, Somerville, Mass.

SOMerset 3000

Campbell Motor Parts Corporation

•
1040 COMMONWEALTH AVENUE

BOSTON, MASS.

New England Association Fire Chiefs, 1943

MAINE

- *Alden, Ira C., Chief, Gorham
- *Allen, Curtis S., Chief, Sanford.
- *Anderson, Edwin A., Chief, Thomaston
Atwood, Fred S., Dep. Chief, Pleasant Hill Co., Scarsboro Beach
- Black, George W., Chief, Easton
- *Bonney, W. L., Ex-Asst. Chief, Bath
- *Bradish, F. L., Chief, Eastport
Carll, Willis G., Asst. Chief, Gorham
- *Constantine, Herbert P., Chief, Bangor
- *Corliss, Harold L., Bath Iron Works Corp., Bath
- *Denison, Clifford D., Chief, Harrison
Doyle, Irving T., Chief, Ex., 165 North Main St., Brewer
Drouin, Z. F., Chief, Lewiston
- Eldridge, John F., Chief, Kennebunkport
- *Emmons, Arthur M., Chief, Saco
Finch, Ralph B., 1164 Washington Ave., Portland.
- Fleury, Fred'k A., Asst. Chief Post Eng. Ft. Williams
- *Flynn, Joseph A. P., Chief Supervisor, Ins. Dept., Augusta
- Fogg, Roger, Dep. Chief, Pine Point Fire Co., Old Orchard
- Frates, Richard, Chief, 12 North St., Bath
- Frost, Giles F., Chief, Norway
- Fullerton, Cecil L., Commissioner, Bath Iron Works Corp., Bath
- Goold, Henry, Dep. Chief, Dunstan Fire Co., West Scarboro
- *Hart, Forrest L., Ex-Chief, Fire Dept. Bath Iron Works, Bath
- Hansen, Henry D., Eastern Fire Equip., Inc., 403-405 Fore St., Portland
- *Herman, S. A., Chief, S.D. Warren Co., Westbrook
- Huart, Victor C., Chief, Farmington
- Jannelle, Emile, Dep. Chief, Prouts Neck Fire Co., Scarsboro Beach
- Johnson, Philip H., Chief, Bailey Island
- *Jones, Stephen R., Chief, Fire Dept. Harding Plant, Bath Iron Works, E. Brunswick
- Jordan, Edward B., Chief, Brewer
- Jose, Horace S., Dep. Chief, No. 4 Simonton St., So. Portland
- Lang, Harold D., Box 548, Portland
- Lewis, Percy R., Representative, Eureka Fire Hose Division, Gorham
- Liscomb, John I., 1 Woodbury St., South Portland
- Lovejoy, Grover D., Chief, Waterville
- McEachern, Duncan, Representative E. B. Jordan Co., Brewer
- Mercier, Solomon A., Chief, Rumford
- Miller, Edward F., 2nd Asst. Engineer, Bath
- *Morse, Scott, Ex-Chief, 15 Andrews Ave., Bath
- Nickerson, Harold E., Chief, Brunswick
- Noyes, Erlon S., Eastern Fire Equipment Inc., 403-405 Fore St., Portland
- Nutter, Robert, Deputy Chief, Pleasant Hill Fire Co., Scarboro
- *Payson, Allen F., Chief, Camden
- Pooler, Sidney, Dep. Chief, Oak Hill Fire Co., So. Portland

Mongan Construction Company

WORCESTER, MASS.

Engineers and Builders

of

ROLLING MILLS and STEEL PLANT EQUIPMENT

Compliments of

A FRIEND

SMITH & WESSON

**“The World’s Finest
Handguns —
Since 1854”**



SPRINGFIELD, MASSACHUSETTS

FRANKLIN

COUNTY

LUMBER

GREENFIELD, MASS.

NEW ENGLAND ASSOCIATION OF FIRE CHIEFS

- Prout, Clifford, Dep. Chief, Black Point Fire Co., Scarboro Beach
Ramsdell, Edgar E., Reserve Deputy Chief, 569 Main St., Lewiston
*Randlette, J. W., Chief, Richmond
Reny, Edward A., Chief Ex., Westbrook
Roberts, Arthur, Dep. Chief, No. Scarsboro Fire Co., Westbrook
Rutledge, Charles B., Fire Apparatus and Equipment, 95 Smith St., So. Portland
Sanborn, J. Clayton, Chief, Bridgton
*Sanborn, Oliver T., Chief, Portland
Scott, Thomas J., Chief, Alfred
*Smith, Guy F., Chief, Houlton
*Smith, Walter B., Chief, Freeport
Spear, Charles O., Jr., Chief, So. Portland
*Strong, Albert E., Ex-Fire Comm., 16 West Elm St., Yarmouth
Thorndike, Fred B., North Vassalboro
*Turner, Stanley G., Chief, Bath Iron Works Corp., Bath
*Williams, Capt., Edward E., 485 French St., Bangor

NEW HAMPSHIRE

- Bailey, Roy, Cant Flame Fire Proofing Co., Newton
Berquist, Oscar B., Chief, Berlin
Cote, Philip T. J., Chief, Gorham
Crowley, Roger, Chief, International Shoe Co., Manchester
*Cushing, Gordon G., Chief, Rochester
Dill, Frank A., Maxim Motor Company, 72 Granite St., Manchester
Dodge, Fred M., District Chief, Concord
Doudera, Capt. Frank, Fire Commissioner, Dixville Notch
*Ely, Wm. B., Chief Auxiliary Fire Dept., Pittsfield
*French, Charles H., Chief, Manchester
Gelines, Wilfred T., Chairman Fire Comm., Manchester
Green, Clarence H., Chief, Concord
*Gunn, Theodore W., Eng. Board of N. H. Underwriters, Concord
*Haskel, Robert W., Fire Dept. Equip., 260 Pleasant St., Claremont
Hathorn, R. C., Chief, West Lebanon
Hecker, Fred H., Fire Commissioner, Manchester
Jeffrey, J. Orville, 350 Main St., R. F. D. No. 1, Somersworth
*Kallman, Alvin E., The Balsams, Dixville Notch
Lary, Geo. L., Senior Warden, Gorham
Lewis, George E., Chief, Box 453, Newport
*Molloy, Anthony J., Chief, Nashua
Montgomery, Harry E., Chief, Pittsfield
Nott, Carlton H., Chief, 22A School St., Hanover
*Noyes, Russell, Chief, Navy Yard, Portsmouth
Palmer, Allen L., Chief, 24 Sullivan St., Claremont
Pitney, C. E., Dep. Chief, Fire Dept., Navy Yard, Portsmouth
*Putney, P. N., 71 Middle St., Manchester
*Ricker, Eugene T., Asst. Chief, U. S. Navy Yard, Portsmouth, N. H.
*Riley E. B., Chief, Keene
Robinson, Chester T., Chief, Suncook

LA Fayette 6716

SULLIVAN
BADGE & NAME PLATE CO.

SEALERS SUPPLIES

Makers of Badges for
MUNICIPAL, COUNTY and STATE OFFICERS
POLICE and FIRE DEPARTMENTS

Also Operating
BOSTON STENCIL & STAMP WORKS
STENCILS - STEEL AND RUBBER STAMPS

MORTIMER P. SULLIVAN, Prop.

7 BROAD STREET
(Cor. State St.,) BOSTON

COMPLIMENTS OF

West Paint & Varnish Co.

BOSTON, MASS. (Everett Station)



TUBULAR RIVET & STUD CO.

WOLLASTON, MASS.



Robinson, George E., Samuel Eastman Co., Concord
*Sargent, Fred M., Ex-Chief, Phoenix Hotel, Concord
Sprague, Valney A., Chief, Meredith
*Spring, Arthur W., Chief, Laconia
Stevens, Geo. B., Chief, Kingston
West, Vernon F., Chief, North Sutton

VERMONT

Adams, W. H., Sec. Treas., Vt. State Firemen Assoc., Vergennes
*Arnold, Claude C., Asst. Chief, St. Johnsbury

Bean, C. A., Chief, Newport
*Burt, Earl C., Chief, Fire Patrol Messissquor Corp., Enosburg Falls
Burt, George C., Chief, F. D. Bellaircraft, So. Burlington
Campbell, R. W., Chief, Randolph
Corliss, Carl M., Chief, Bradford
Ferguson, F. Howard, Supt. Fire Alarm, 234 Grove St., Bennington
Goguen, Leo J., Ex-Chief, Fort Ethan Allen
*Hannah, Charles A., Chief, No. Springfield
Hoyt, Frank, Chief, So. Shaftsbury
*Hutchinson, Fred A., Chief, White River Junction
*Jordan, Miland H., Chief, 96 Main St., Springfield
*Kelley, Donald J., Chief, Burlington
Kingsbury, Harold H., Chief, Norwich
*Koltonski, Alfred H., Chief, Rutland
Leonard, Ray E., Chief, Brandon
MacDonald, Roy, Chief, Barre
Mattison, Wallace E., Chief, Bennington
*McDonald, James R., Chief, Montpelier
Mooney, Gordon R., 1st Asst. Chief, 20 Bay View Ave., Newport
Parmenter, F. C., Ex-Chief, Chester
*Potter, Albert D., Chief, Poultney
Rice, Clayton S., 2nd Asst. Chief, White River Junct.
Sears, Lawrence H., Chief, Bennington
Sweeny, Richard H., Chief, St. Albans
Wakefield, George H., Ex-Chief, Lower Plain, Bradford
Watts, Frank D., Chief, Windsor
Whitney, Fred L., Asst. Chief, Bethel

MASSACHUSETTS

*Abel, Henry F., Chief, Westwood
Adams, Delmont C., Ex-Chief, Millis
Adams, John S., Chief, 2 Ocean Ave., Marblehead
Allen, Ellwood B., Dep. Chief Mass. Vol. Fire Dept., 3 Myrtle St., Belmont
*Allen, Selden R., Chief, Brookline
*Angier, Everett L., Gamewell Fire Alarm Co., Newton Upper Falls
*Austin, George W., Box 52 Assoc., U. S. Gauge Co., 170 Summer St., Boston.
*Babson, Roger W., Wellesley
Bacon, Wallace I., Ellis Fire Equip., 195 High St., Boston
*Baer, Louis, Jr., 36 Orchard St., Marblehead.

America's Foremost Machine Tool Rebuilders

Botwinik Bros. of Mass., Inc.

Machine Tools



**2 SHERMAN STREET
WORCESTER, MASS.**

**The Massachusetts Protective
Companies**

WORCESTER, MASSACHUSETTS

LIFE

ACCIDENT

HEALTH

COMPLIMENTS OF

STEVENS WALDEN, INC.



WORCESTER, MASS.

**BUY
ANOTHER BOND**

NEW ENGLAND ASSOCIATION OF FIRE CHIEFS

- Baggs, M. C., Chief, Belchertown
- *Barker, Clifford H., Boston Coupling Co., 293 Congress St., Boston
- *Barker, Horace R., 87 Sherman St., Springfield, Samuel Eastman Co.
- Barker, John J., Boston Coupling Co., 293 Congress St., Boston
- Barnes, Harold A., 42 Ellis St., Brockton.
- *Bartlett, Ernest N., Chief, Billerica
- Batchelder, Fred M., 120 Harrison Ave., Boston
- Belcher, Warren H., Ex-Chief, 115 Pauline St., Winthrop
- Belknap, Harry, 1110 Beacon St., Brookline
- *Belmore, Arthur, Chief, Webster
- Benson, Merle C., Bryantville
- Bills, Louis W., Supt. Fire Alarm, Lexington
- Blackington, Alton H., 41 Winter St., Boston
- *Blair, Wm. J., Chief, Nantucket
- *Blanchard, Arthur H., 25 Hampshire St., Cambridge
- *Blois, W. C., Chief, Westboro
- Blood, Geo. Leslie, Ex-Chief, Littleton
- *Boland, John W., Chief, Southboro
- *Boles, James G., Lieut., 46 Victory Rd., Dorchester
- Boston Sparks Association, 1039 Commonwealth Ave., Boston
- Bourne, Edward L., Chief, West Bridgewater
- *Bowers, William F., Chief Protective Dept., Boston
- *Box 52 Association, 170 Summer St., Boston
- Braga, A. M., Chief, Camp Myles Standish, Taunton
- Brawley, Edward M., Supt., Fire Prot. J. B. Thomas Hospital, Peabody
- *Breck, Robert G., Chief, Longmeadow
- Brennan, Ralph A., Dr., Fire Comm., Holyoke
- *Brewster, Edward A., Asst. Chief, Headquarters Co., Fort Devens
- Briggs, David M., Chief, Halifax
- Brown, Russell G., 80 Central St., Foxboro
- Buchan, Charles E., Chief, Andover
- *Buchanan, L. B., Ex-Chief, 10 Bennett St., Woburn
- *Bugbee, Percy, N.F.P.A., 60 Batterymarch St., Boston.
- Bumpus, William W., Chief, Ayer
- Bunyan, Albert, Ex-Chief, Ayer
- *Burke, Thomas F., Chief, Pittsfield
- *Burke, Thomas J., Lieut., 1086 Morton St., Dorchester
- Byron, George E., Fire Comm., Hudson
- Calhoun, W. J., 403 Sherman St., Canton
- Carey, John H., Ex-Fire Commissioner, Bennett Building, Fall River
- Carey, Raymond E., Mayor, Revere
- *Carlow, Harry, 60 Church Green, Taunton
- Carolan, Lawrence, Jr., American La France Co., 28 Brighton Ave., Boston
- Carroll, Edmund J., Warren, Mass.
- Carroll, William J., President Rockwood Sprinkler Co., 36 Harlow St., Worcester
- *Cartier, John B., Chief, Sturbridge Fire Dept.
- Casey, John L., Chief, Abington
- Chapman, Chas. "Sandy," 10 Pier View Ave., Beachmont

AMERICAN ABRASIVE COMPANY

INCORPORATED

WESTFIELD, MASS.

Gasoline Powers the Attack

Don't Waste a Drop!



AMERICAN OIL COMPANY

and its affiliate

PAN AMERICAN REFINING CORP.

STATE LUMBER COMPANY, Inc.

Phones Dexter 4110-4111-4112

Mouldings, Gutters, Building Paper, Nails, Plaster, Wall Boards
Mason Supplies

Doors, Windows, Blinds, Asphalt Shingles, Paints and Hardware
Complete Line of Carpenters Tools

403 CHARLES ST.

PROVIDENCE, R. I.

IMPERIAL PEARL CO., Inc.

Manufacturers of

INDESTRUCTIBLE PEARLS and NOVELTIES



7 BEVERLY STREET
PROVIDENCE, RHODE ISLAND

NEW ENGLAND ASSOCIATION OF FIRE CHIEFS

- *Charnock, P. C., Mgr., New Eng. Fire Ins. Rating Asso., 89 Broad St., Boston, Mass.,
State Fire Coordinator, Chairman, Mass. Fire Advisory Mobilization Board, 18
Tremont St., Boston
- *Chase, Benjamin L., Chief, Haverhill
- *Chase, C. Hastings, 365 Union Ave., Framingham
- *Chase, Robert R., Chief, Cheshire
- Childs, Alexander S., Ex-Chief, Cotuit
- Clapp, George V., Chief, Paxton
- Clark, Fred A., Chief, Attleboro
- Clark, Harold B., Chief, Foxboro, Mass.
- *Clark, L. N., Lieut., 29 Richardson St., Newton
- Clark, Wm. M., (Fire Marshal), National Fire Works, West Hanover
- *Clark, Wm. W., Chief, Westfield
- Coakley, John J., Chief, Nahant
- *Cobb, George F., Pres., Curtis Lumber Co., 572 Rutherford St., Boston
- Coburn, Irving B., 93 Templeton Pkwy., Watertown
- *Collins, John F., Deputy Chief, Cambridge
- *Coleman, John R., Lieut., 43A Carruth St., Dorchester
- *Coleman, M. James, Chief, Hudson
- *Collins, Rev. Michael F., Chaplain N. E. Assoc. Fire Chiefs, Marblehead
- *Conron, Harold J., Chief, North Reading
- Cook, Alton L., Chief, Georgetown
- *Copeland, Frank H., Chief, Raynham
- Cowles, A. Lee, Eureka Fire Hose Co., 560 Atlantic Ave., Boston
- *Creamer, Gordon H., Lieut., Holden
- Creaser, L. J., Amer. LaFrance Co., 28 Brighton Ave., Boston
- Cremins, Christopher C., Asst. Fire Alarm Operator, 1222 Cambridge St., Cambridge
- *Cressy, John, Chief, Beverly
- *Crosby, Arthur H., Laminated Sheet Products Corp., 319 Main St., Everett
- Cross, Gordon, Chief, Hopkinton
- *Crouch, Walter E., Dist. Chief., 12 Gayland St., Dorchester
- Crowe, John P., Ex-Chief, Westboro
- *Cummings, Merrill A., Chief, Hamilton
- Curley, Stephen A., Capt., General Elect. Co., 2 River St., Lynn
- Curtis, William F., Chief, Canton
- Cutter, John F., Ex-Chief, Newburyport
- *Dahill, E. F., Chief, New Bedford
- Dailey, Cornelius, P., Ex-Chief, North Easton
- Daniels, Albert W., Box 52 Assoc., 147 Brighton Ave., Allston
- *Daoust, Samuel, Chief, Marlboro
- Davidson, William E., Chief, Sudbury
- *Davis, Ernest W., 61 Brantwood Rd., Arlington
- Day, Edwin L., Chief, Box 316, Wilmington, Mass.
- Degen, Martin J., Chief, Adams
- Deslauriers, Theodore, Chief, Ware
- Devaney, Capt., John J., Watertown
- deVeer, Harold W., 626 Park Square Bldg., Boston
- Dever, James J., Mine Safety Appliance Co., 585 Boylston St., Boston
- *Dickinson, Frank F., Chief, Brockton
- *Dineen, John J., Lieut., Cambridge
- Dodge, Richard S., Chief, Bedford

TIMOTHY REGAN

BUILDER

ADJUSTER OF FIRE LOSSES

FOR INSURED ONLY

60 STATE STREET

Room 222

BOSTON

TELEPHONE *LI*Berty 9212 *LA*Sell 4503

Massachusetts Oil Heating Association

BOSTON, MASSACHUSETTS



839 BEACON STREET

*KEN*more 9766

6050 COMMONWEALTH AVE.

*COM*monwealth 5300

PRINTING

of All Descriptions

GEO. A. WARREN

339 WASHINGTON STREET

BRIGHTON, MASS.

LUX FIRE EQUIPMENT CO.

Carbon Dioxide Recharging Plant, 136 Broadway, Cambridge, Mass.



626 PARK SQUARE BLDG.

HAN. 0037

BOSTON, MASS.

Fire Protection in the Air, at Sea, Throughout Industry

- Doherty, M. H., Chief, Lincoln
 Dolan, Wm. C., 14 Holbrook St., Jamaica Plain
 *Donnell, Chester L., Chief, Walpole
 Donovan, J. A., 22 Newman Rd., Malden
 *Dooling, William J., Ex-Chief, 36 Clinton St., Malden
 Dossett, William L., Spring St., Millis
 *Dow, Thomas, Chief, 75 Union St., Methuen
 *Dow, Walter W., Sec. Met Fire Assoc., 21 Fairmount Ave., West Somerville
 Dowd, John F., Chief, Chicopee Field Fire Dept., Chicopee Falls
 Downing, Dewey P., Chief, Fort Devens, Ayer
 Drew, C. R., Ex-Chief, 109 Summer St., Kingston
 Drew, George B., Chief, Saugus
 Driekorn, Otto M., Fire Commissioner, Holyoke
 Ducey, Henry M., Lieut., 140 Wilmington Ave., Dorchester
 Duchesneau, Joseph E., Ex-Chief, 84 Sayles St., Southbridge
 *Dunn, Leonard G., Lieut., 112 Adams St., Malden
 Dyer, S. B., Ex-Chief, Whitman
 *Eames, Hugh L., Chief, 7 Village St., Reading
 Earle, Alonzo N., Chief, Norwood
 Earley, Charles G., Chief, Turners Falls
 Egan, John H., Ex-Chief, 88 Spruce St., Milford
 *Eichorn, John F. G., Eng. Gould Pump Co., 38 Chauncy St., Boston
 *Elliott, Otis W., Ex-Chief, Senior Firefighter, Fort Devens
 *Ellis, Benjamin M., Ellis Fire Appl. Co., 195 High St., Boston
 *Engborg, Herbert C., 33 Harvard St., Arlington Heights
 *Evans, James J., Chief, 32 Belmont Park, Everett
 Evans, Robert J., 294 Washington St., Boston
 *Fallon, Thos. E., Chief, Heywood-Wakefield Co., Gardner
 *Farrar, Clarence, Hopkinton
 Farrell, Henry F., Chief, Hull
 Farrell, James J., 7 Elwyn St., Dorchester
 Fay, Robert E., Box 52 Assoc., 36 Park Ave., Winchester
 Fears, F. Clifton, Ex-Chief, Board of Engineers, Rockport
 *Ferris, Herbert, Chief, Greenfield
 *Field, Sidney C., Chief, Melrose
 Finnie, James, Chief, Scituate
 Fisher, E. F., A.D.T. Co., 60 State St., Boston
 Fisher, Ernest A., 12 Fletcher Terr., Watertown
 Flanagan, Joseph J., 21 Messenger St., Canton
 Fletcher, Albert P., 100 Fountain St., Medford
 Floyd, William A., Chief, Winthrop
 *Flynn, Arthur L., Chief, Salem
 Foltz, Jefferson E., Cardox Corp., 89 Broad St., Boston
 *French, Victor M., Chief, Palmer
 Frank, A. J., 43 Adams St., Orange
 *Gagan, Jas. A., Dist. Chief, 11 Allston St., Dorchester
 *Gately, John J., Chief, Hood Rubber Co., Watertown
 Gavagan, Raymond, 294 Washington St., Boston
 Geyer, John, Chelsea Fire Dept., Chelsea
 Gifford, Stanley E., Chief, South Westport

DANIEL O'CONNELL'S SONS, Inc.

GENERAL CONTRACTORS



480 HAMPTON STREET, HOLYOKE, MASS

Graham Manufacturing Company, Inc.

Manufacturers of

PAPER NAPKINS



Holyoke, Massachusetts

HOLYOKE 8024

INDUSTRIAL CHROMIUM CORP.

"The Home of Hard Chrome"

HOLYOKE, MASS

New England Etching and Plating Co.

INCORPORATED

ETCHING

**Name Plates
Novelties
Adv. Buttons
Lithographing**



PLATING

**Special Finishes
Polishing
Stamping
Toys**

HOLYOKE, MASSACHUSETTS

- Gingras, Leo B., 25 Catherine St., Springfield
 Gorey, Edward F., Chief, Taunton
 Gorham, Joseph T., Gorham Fire Equip. Co., 356 Atlantic Ave., Boston
 *Gorman, John J., Chief, Winchester
 Gorman, Thomas, Dep. Chief, 47 Dysart St., Quincy
 *Gravelle, Charles L., 12 Marion Rd., Woburn
 *Griffen, Edward J., Capt., Cambridge
 *Griffin, Thos. F., Dist. Chief, Lawrence
 *Grouse, Wm. A., 112 Columbia St., Brookline
 *Gutheim, Herman E., Chief, Cambridge
 *Haddock, Henry, Asst. Chief, 65 Victory Road, Lynn
 *Hall, Ralph S., 61 Plymouth Ave., East Milton
 Hammond, Richard A., Chief, Manchester
 Hanks, Gene, Mack Motor Truck Co., 306 Belmont St., Worcester
 *Hanna, Jas. F., Chief, Milton
 Harding, Harry J., Hutchinson Lumber Co., Lynn, Ex-Fire Comm., Revere
 *Hargreaves, James, Chief, No. Andover
 Harrington, Daniel A., 322 Lebanon St., Melrose
 *Harrington, F. D., 75 No. Beacon St., Allston
 *Hartnett, John B., Chief, Dedham
 Havender, Harold L., Chief, Watertown Arsenal, Watertown
 Heath, Raymond B., Rockwood Sprinkler Co., Worcester
 Hennessy, Maurice, Chief, East Bridgewater
 *Hill, William H., Chief, Belmont
 Hodges, Frederick J., 185 Summer St., Boston
 Hoffmann, Louis H., 40 Broad St., Boston
 Holmes, Geo. P., Chief, 232 Main St., Kingston
 *Hopkins, John A., Boston Fire Dept., 9 Blanford Rd., Jamaica Plain
 Horne, William D., Chief, Millbury
 Hoyt, Rev. Paul C., South Hamilton Methodist Church, So. Hamilton
 Hutchins, M. C., Ex-State Fire Warden, Auburndale
 Hutchinson, Charles G., Chief, Lunenburg
 *Hutchinson, Oscar R., Chief, Lenox
 Ickrath, W. M., Eagle Signal Corps., 15 Glenham St., Springfield
 Inkley, Clyson P., Chief, Rockland
 Jackson, Wilbur, Service Sales Corp., 52 Brookline Ave., Boston
 Jenks, Fred A., Ex-Fire Commissioner, Plymouth
 Johnson, G. E., 247 Fisher Ave., Brookline, Mass.
 *Johnson, Walter A., Engineer Employers' Fire Ins. Co., 481 Pleasant St., Malden
 *Jones, Mellen W., Capt., 281 Essex St., Beverly
 Johnston, Major L. S., 46 Goss Ave., Melrose
 Kavanaugh, V. T., 35 Beechwood Rd., Waltham
 Keating, John L., Chief, Newton
 Keddie, L. A., Deputy Chief, Malden
 *Kelley, Joseph E., Chief, Danvers
 Kellough, Willard P., 35 Swan Rd., Winchester
 Kendall, Frank L., Deputy Chief, Canton
 Kenney, John J., Deputy Chief, 181 Hillside St., Roxbury
 *Kiessling, Carl J., Chief, Fire Dept., Worcester
 *Kimball, Albert W., Chief, Hingham

KNIFE SHOES Give You More at Less Cost
The Greatest Value that Ever Put Man in Shoe Leather

Union Made and Sold at the Popular Prices

KNIFE BROS., Inc.

Retail Division—Ward Hill, Mass.

Eighty Styles Direct from Factory to You
In a Wide Range of Sizes and Widths to Select From

Open Evenings — Plenty of Parking Space — Tel. Haverhill 1441

Exclusive Agents in Haverhill

THE HOLLISTON MILLS

INCORPORATED

Starch or Pyroxylin Treated

SPECIALTY FABRICS



NORWOOD, MASSACHUSETTS

COMPLIMENTS OF

RICHARD BORDEN MFG. CO.



FALL RIVER, MASS.

THE THEW SHOVEL CO.

LORAIN SHOVELS - CRANES - DRAG LINES

Gas - Diesel - Electric Power

MOTO CRANES

73 WARREN ST., NEEDHAM, MASS.

A. F. KUEHNE

Phone 0957

- *Kingman, Stanley R., Box 52 Assoc., 21 Gould Road, Arlington
- Kingsbury, Allen A., Ex-Chief, Medfield
- LaFlamme, Ernest, Chief, Chicopee, Mass.
- *Lamb, Paul C., Lever Bros., Cambridge
- *Lampard, Charles H., Chief, Swampscott
- *Lane, Charles E., Chief, 64 East Main St., Orange
- *Lane, Edward B., Ex-Chief, Welfleet
- Laurie, Ralph D., Supt. Fire Alarm, Hingham
- Lawton, C. R., General Equip. Co., 261 Franklin St., Boston
- Leger, Eugene F., Eng., Gould Pump Co., 38 Chauncy St., Boston
- *Leonard, Wm. H., Capt., 75 Central Ave., Hyde Park
- *Lewis, Eugene, 305 Walnut St., Brookline
- Lewis, T. Julian, Chief, 345 Commercial St., Provincetown
- Litchfield, Gordon H., Am. LaFrance, 28 Brighton Ave., Boston
- *Looney, Daniel J., Sec. Mass. State Firemen's Assoc., 448 Old South Bldg., Boston
- Loring, Mason L., Ex-Deputy Chief, Hingham
- Lovell, Harry, Pres. Harry J. Lovell Co., 894 Comm. Ave., Boston
- Lowell, Harold F., Chief, Mendon
- Lyons, C. W., Room 1100 Statler Office Bldg., Boston
- MacCullagh, Chester A., 17 Stearns Rd., Brookline
- Mahoney, Ivon P., Chief, Walworth Co., 800 First St., So. Boston
- Mahoney, Jeremiah E., 103 W. 9th St., South Boston
- *Mahoney, William C., Chief, Peabody
- *Marchant, Homer R., Chief, Gloucester
- Marion, Bernard M., Chief, Milford
- Martin, Bert L., Ex-Supt. Fire Alarms, 100 Union St., Mansfield
- Martin, John J., Boston Janitors' Supply, 115 West Brookline St., Boston
- Martin, Winfred A., Deputy Chief, 74 Wellesley St., Weston
- Maxim, E. L., Maxim Motor Co., Middleboro
- Maxim, Leighton L., 23 Webster St., Middleboro
- Mayers, Robert F., Deputy Chief, Greenfield
- McBride, Malcolm H., 24 Grosier Rd., Cambridge
- *McCarrick, Thomas J., Chief, Revere
- *McCarthy, E. J., Gamewell Fire Alarm Co., Newton Upper Falls
- *McCarthy, Co., Justin A., 176 Federal St., Boston
- *McCarthy, Timothy G., Chief, Fire Dept., Weymouth
- *McGaw, Geo. E., Chief, Fall River
- McGonigle, Michael, 448 Old South Bldg., Boston.
- *McIntire, Edward F., McIntire Brass Co., 221 High St., Boston
- *McIntire, Frank N., McIntire Brass Co., 221 High St., Boston
- *McIntire, Thomas S., McIntire Brass Co., 221 High St., Boston
- McLaughlin, J. A., Amer. Fire Equip. Co., 45 Broad St., Boston
- McLaughlin, Joseph, 24 Keniston Rd., Melrose (Gould Pump Co.)
- *McNally, John C., Chief, Somerville
- McNamara, John F., Lieut., 9 Gene St., Dorchester
- *Meunier, O. J., Chief, Southbridge
- Middleton, Elmer H., 33 Barrett St., West Lynn
- Miner, Alfred N., Mass. Safety Council, 40 Broad St., Boston
- Morris, Michael J., Deputy Chief, Natick
- Monks, George H., Asst. Chief, Boston Port of Embarkation

HANSON and LAPHAM TOOL & SUPPLY CO.

*Production Tools • Industrial and Mill Supplies • Leather Belting
Loom Strapping*

7 CRAWFORD STREET, PROVIDENCE, R. I.

P. O. BOX 1232 Telephone GAspee 4684-8475

COMPLIMENTS OF

WILLIAM WHYTOCK CO.

**67 FRIENDSHIP STREET
PROVIDENCE, R. I.**

ESTABLISHED 1902

The M. W. Dunton Company

Manufacturer of
NOKORODE PRODUCTS

670 EDDY STREET, PROVIDENCE 3, R. I., U. S. A.

Excell Manufacturing Company

**45 RICHMOND STREET
PROVIDENCE, R. I.**

- Montgomery, Edward N., Dep. Chief, Hdqtrs., Boston
- *Moseley, David N., 373 Harvard St., Brookline
- Moulton, E. G., Ahrens-Fox Co., 5 Admiral Road, Worcester
- *Moxham, William W., Chief, Lynnfield
- *Mullen, George, Chief, Shrewsbury
- *Murphy, John J., Capt., 13 Harrison Ave., Cambridge
- *Murphy, Miles V., Lieut. Engine 2, Boston Fire Dept.
- Murray, Walter R., Capt., 17 Walker St., Weymouth
- Murrill, M. W., Ex-Chief, Scituate
- *Neal, Bertram A., Chief, 23 Myrtle St., Waltham
- Niedner, Wm. H., Pres. and Treas. Chas. Niedner Sons Co., Malden
- *Normandin, Charles, Chief, Amer. Optical Co., Southbridge
- Nute, J. C., Jr., Dep. Forest Fire Warden, 58 Linden St., Needham
- *O'Banion, Albert Lee, Supt. Fire Alarm Division, 59 Fenway, Boston
- *O'Hearn, John W., Ex-Chief, Watertown
- *Oliver, Joseph L., Chief, Cohasset
- *O'Neill, E. J., 3 Colby Rd., Roslindale, Rep. Peter Pirsch & Sons Co., & Blanchard Assoc., Cambridge
- O'Neill, Capt. James J., General Elect. Fire Dept., Lynn
- *O'Neill, James J., Jr., Deputy Chief, Lynn
- O'Neill, Patrick F., Dist. Chief, 711 Cummings Hwy., Mattapan
- Orienti, Hubert P., Chief, Lee
- Page, Charles N., 146 Traincroft Rd., Medford
- *Parker, P. Hildreth, Box 52 Assoc., 81 Benjamin Road, Belmont
- Peckham, J. Austin, 23 Central St., Wellesley
- *Peirce, Walter, Ex-Chief, 1171 Mass. Ave., Arlington
- Perkins, Frederick A., Capt., 1196 Center St., Newton Center
- Perry, Emery, Chief, Harvard
- *Pettengill, George H., 109 Bluehill Ave., Milton
- Philbrick, F. B., Pres. & Gen'l Mgr., Gamewell Co., Newton
- Pickersgill, Wm. F., Vol. Fire Dept., Bass Wood Ave., Sudbury
- *Pope, Samuel J., Chief, Boston
- Powers, William E., Chief, 87 Park St., Clinton
- Pratt, Herbert K., Box 52 Assoc., 24 Spring Hill Ave., Bridgewater
- *Pye, Frederick H., Chief, Stoughton
- *Qualey, Thomas, Ex-Chief, Medford
- Quinlan, Henry J., 16 Whiton Ave., Quincy
- *Quinn, Joseph W., Chief, Navy Yard Fire Dept., Charlestown
- Ray, J. W., 60 State St., Boston
- Reddy, Clarence S., Deputy Chief, Cohasset
- Reed, Charles C., 79 Wilson Ave., Weymouth
- *Regan, Timothy, 60 State St., Room 222, Boston
- *Reilly, William Arthur, Fire Comm., Boston
- Retelle, Edward A., Chief, Lawrence, Mass.
- Reuter, Herbert L., 41 Albion St., Methuen
- Rice, Ernest R., 22 Grove St., Clinton
- Rich, Lewis E., Deputy Chief, Barre Plains
- Richardson, Moody J., Dep. Chief Fire Dept, Myrtle St., Millis
- Ritschel, Franklin N., Chief, Gamewell Co., Newton Upper Falls
- Roberts, G. L., Consultant Fire Dept., 67 Summer Ave., Reading

Compliments of
HARTFORD TIMES



HARTFORD, CONN.

BROOKS & SKINNER CO.

The Largest Builder of Structural Steel
Buildings, Garages, Bungalows, etc.
in New England

QUINCY

MASSACHUSETTS

Tel. PREsident 5090

**THE JAMES SWAN
COMPANY**

Seymour, Conn., U. S. A.

Manufacturers of Mechanics' Tools



AUGURS, AUGUR BITS, GIMLETS, SCREW DRIVER BITS,
COUNTERSINKS, CHISELS, GOUGES, DRAW KNIVES, Etc.

COMPLIMENTS OF

HYDE WINDLASS COMPANY



BATH, MAINE

- Robertson, Ralph C., Chief, North Attleboro
 Robinson, George E., 80 Federal St., Boston
 Robinson, Stanley, 31 Bedford St., Boston, Mass., Fire Prot. Co.
 Rodgers, James H., Fire Protection Equip., 212 Summer St., Boston
 *Roeder, Harold E., 23 Cedar St., Lexington
 *Rohan, John H., Chief, Holyoke
 *Root, H. C., Chief, Springfield
 *Roulo, Alfred J., Capt., Beverly
 Rounseville, C. C., Jr., Fire Commissioner, 264 French St., Fall River
 *Rowe, Benjamin F., Chief, Mass. Fire Reserve, 186 Sidney St., Cambridge
 Rowley, Charles F., Fire Commissioner, Brookline
 Ryan, Edward T., 48 Burt St., Dorchester
 Ryan, James J., Rockwood Sprinkler Co., 34 Harlow St., Worcester
 Ryan, Patrick H., Dep. Chief, 77 Warner St., Northampton
 Ryder, Frederick M., Ex-Chief, Middleboro
 Sanderson, John H., Asst. Chief F. D., Nashua St. Ext., Fort Devens
 *Sands, William J., Chief, Quincy
 Salamone, Richard M., Chief, Fire Dept., Needham
 Saulnier, John E., Chief, North Adams
 *Scanlon, Joseph E., Chief, 112 Walnut St., Lynn
 Schiller, Joseph F., Chief, Ashburnham
 Schmitt, William F., Mack Motor, 75 No. Beacon St., Boston
 Scott, James A., Captain F. D., Everett
 *Scully, John F., American Fire Equipment, 45 Broad St., Boston
 Seaver, Geo. H., Dep. Chief., 858 Broadway, Chelsea
 Sennott, Clifford T. J., 5 Landseer Terr., W. Roxbury, Ward LaFrance
 *Shea, Michael J., Chief, Fitchburg
 *Shepherd, Melvin B., Pembroke
 Sheridan, Philip, Chief, Bethlehem Steel Co., Fall River
 *Sherwood, N. D., Rockwood Sprinkler Co., 34 Harlow St., Worcester
 *Sibley, Frederick H., Chief, West Springfield
 *Siebert, Everett, Capt., 10 Francis St., Newton Highlands
 Simons, Edward S., 76 Canal St., Boston
 Skelton, David W., Chief, Burlington
 *Skelton, Marshall W., Burlington
 *Slaman, T. H., Chief, Wellesley
 *Smith, Charles T., 81 Coolidge Ave., Needham
 Smith, Edward, Chief, Ipswich
 *Smith, Ernest L., Chief, 206 Exchange St., Athol
 Smith, Fred F., Ex-Chief, East Bridgewater
 Smith, James J., 294 Washington St., Boston
 Smith, Murray, Davis Emergency Equip. Co., 46 Goss Ave., Melrose
 Smith, Thos., Supt., Fire Alarm, Central Sta., Quincy
 Somerville, Stewart, 547 Main St., Woburn
 Soper, Arthur E., Chief, Mansfield
 *Stackpole, Charles E., Chief, Lowell
 Stalker, Geo. D., Fire Commissioner, 196 Walnut St., Holyoke
 Stanley, Vincent C., 1395 Comm. Ave., West Newton
 *Stapleton, John V., Capt., 222 L St., So. Boston
 Stetson, M. D. Co., 64 E. Brookline St., Boston

GRAnite 0888-0889

GRANITE CITY COAL COMPANY

64 PENN STREET, QUINCY 69, MASS.

M. SWEENEY COMPANY

Established 1875

MODERN BONDED WAREHOUSES

PACKING • MOVING • TRUCKING • STORAGE

82 BORDER STREET

FALL RIVER, MASSACHUSETTS



BUY ANOTHER BOND



Compliments of

GEORGE F. GRANT CO.



WEST NEWTON, MASS.

- Stokes, John F., Comm. Public Safety, 1010 Comm. Ave., Boston
 Strong, Dr. James, Strong Hospital, East Boston
 Sullivan Badge & Name Plate Co., 7 Broad St., Boston
 *Sullivan, John J., 66 Burt St., Dorchester
 Sullivan, Vincent J., 1 Hillside Ter., Belmont
 Swan, W. Gordon, Program Mgr. Stat. WBZ & WBZA, Hotel Bradford, Boston
 Taft, Frank, Seagrave Company, 1022 Commonwealth Ave., Boston
 *Tancrell, Wilfred J., Chief, 94 Elm St., Uxbridge
 *Tappen, Robert M., Chief, 167 Main St., Gardner.
 Thibeault, Guy A., Chief, Rockport
 *Thompson, Joseph W., 714 Adams St., Dorchester
 Thomas, W. Fred., Capt., 268 Plantation St., Worcester
 *Thompson, Robert E. L., Plant Prot. Coordinator, Gen'l Elect. Co., 14 Jackson St
 Saugus
 Tiernan, Raymond R., Acting Chief, U. S. Naval Ammunition Depot, Hingham
 *Tierney, Daniel B., Chief, Sec'y-Treas. Int. Assoc. of Fire Chiefs, Arlington
 *Tracey, Hubert W., Amer. Fire Equip. Co., 45 Broad St., Boston
 *Tracey, John P., Chief, Great Barrington
 *Trevett, LeRoy, Chief, Framingham
 Tripp, Bertram, Chief, Middleboro
 Truax, Edwin E., Ex-Chief, Foxboro
 Tuttle, Harry E., Chief, Concord
 *Tyler, Bartlett, Deputy Chief, 390 Atlantic Ave., Cohasset
 Voke, Charles G., Chief, Chelsea
 *Walden, Lawton, C., 57 Exchange St., Worcester
 Wallace, J. Thos., Chief, Bourne
 *Walton, Henry, Fire Commissioner, Plymouth
 Ward, John J., Ex-Chief, Millis, Mass.
 Warnock, James, Ex-Chief, Swampscott
 Webber, Joseph A., 1236 Beacon St., Brookline
 *Weinberg, Jos. M., 13 Appleton St., Boston
 Welch, Thomas F., Chief, Williamstown
 Wheeler, Earle A., Ex-Chief, Berlin
 Whitcomb, Jos. C., Maxim Motor Co., Middleboro
 *Whitney, George H., Fire Equipment, 304 Newbury St., Boston
 Whittemore, Edward H., State Fire Marshal, 1010 Comm. Ave., Boston
 Williams, Herbert, Supt. Fire Alarm, King St., Cohasset
 *Williamson, Geo. S., 200 Winter St., Norwood
 *Wilson, Waldo, Chief, Carlisle
 Windhorn, Charles H., 42 Lawton Rd., Needham
 *Wittenhagen, Frederick W., Dep. Chief, Beverly
 *Wolfenden, John W., Pres. Box 9 Assoc., Attleboro
 *Wood, Everett B., Chief, Plymouth
 *Woodcock, Chester C., Dept., Chief, Rochdale
 Woodman, Charles L., Chief, Oxford
 Woodward, Emerson L., Ex-Eng. and Deputy Chief, 35 Church Ave., East Bridge-
 water

RHODE ISLAND

- *Amore, Anthony J., Chief, Natick
 Alletag, Otto J., Chief, Warren

Centre of Shopping and Theatrical Districts
Half Block from Boston Common

HOTEL PARAMOUNT

HUBbard 2900

FRED J. SPERRY, Mgr.

Bath in Every Room

17 BOYLSTON STREET, BOSTON, MASS.

MANUFACTURERS • IMPORTERS • EXPORTERS

L. W. FERDINAND & CO., INC.

FERDICO • JEFFERY

Marine Glues and Waterproof Cements

MICA LANE, NEWTON LOWER FALLS 62, MASS.

JOHN IRVING SHOE CORP.

•

GENERAL OFFICES

BOSTON

MASSACHUSETTS

G. & C. MERRIAM COMPANY

SPRINGFIELD

MASSACHUSETTS

Publishers of

WEBSTER'S NEW INTERNATIONAL DICTIONARY

Second Edition

WEBSTER'S COLLEGIATE DICTIONARY

Fifth Edition

WEBSTER'S DICTIONARY OF SYNONYMS

WEBSTER'S BIOGRAPHICAL DICTIONARY

For Sale at All Bookstores

- Armstrong, Clinton L., Chief, Rockville
- *Barker, James W., Chief, Middletown
- *Batchelder, Earl H., Ex-Chief, Box 193, Centerdale
- *Black, Irving S., Chief, U. S. Rubber Prod. Co., Providence
- *Booth, Chas. L., Dep. Chief, East Greenwich
Brickley, Chester A., 100 Sheldon St., Providence
- Brown, George C., Chief, Apponaug
- *Bull, William T., 11 Blackwell Place, Newport, Defense Coordinator Firestone Rubber Co.
- *Callahan, Frank J., Chief, Central Falls.
Cesana, Dominic, Chief (Marienville), No. Providence
- *Charlesworth, Frank, Chief F. D., U. S. Naval Air St., Quanset Point.
- *Comolli, Andrew N., 1st Asst. Chief, 6 Boylston St., Westerly
- *Comolli, Claudio A., Asst. Chief, Westerly
Connolley, William T., Deputy Chief, Pawtucket
Connerton, Wm. H., Dep. Chief, Newport
- *Cote, A. J., Chief, Woonsocket
- *Cotter, Thos. H., Chief, Providence
Cross, Henry B., Secretary, Grinnell Co., Providence
Dawley, Wm. S. H., 8 Warner St., Newport
Denice, Rocco, Chief, Hillsgrove Army Air Field
Dunn, Burtis E., Chief, Tiogue Vol. Fire Co., Washington
- *Eldridge, Abel S., Dep. Chief, Newport
- *Fogarty, Michael, Lieut. Fire Dept., 35 Ridge Rd., Ononset Point
- *Fortier, Henry E., Chief, Manville
Gareau, Lionel P., Chief, West Warwick
- *Holst, Anne C. Allen, Chief, Cedar Hill, Cowesett
- *Jache, Paul O., Chief, Johnstone Hose Co., No. 3, Manton
Lawton, Joseph S., Ex-Chief, Newport
- *Lenehan, R. A., Westerly
Luft, I. Arthur, Midwestern Mfg. Co., 480 Westminster St.
McCaffrey, James F., Dep. Chief, Pawtucket
McElroy, Harry, Dep. Chief, Fire Hdqtrs., Providence
McKenzie, James W. M., Chief, Barrington
Miles, George Scott, Designer, 29 Thames St., Newport
- *Miller, Frederick T., Chief, East Greenwich
Moore, Moses, Chief, Bristol
- *Murphy, Charles C., Chief, Longmeadow
- *Nichols, Leon A., Barrington
- *O'Connell, William V., Chief, West Hilton St., No. Tiverton
Palmer, Andrew P., "Woonsocket Call," Woonsocket
- *Pasetti, Columbus, Chief, Westerly
- *Payne, Moses, Asst. Chief, Westerly
Pendleton, Ralph W., Safety Eng., Grinnell Co., Providence
- *Reynolds, Adelbert J., Chief, Oakland-Mapleville Fibre Co., Oakland
Rhodes, John, Chief, Saylesville
- *Rodman, R. W., Chief, North Kingstown Fire Dept., Wickford
- *Savage, John A., Chief, 270 Broad St., Valley Falls
Sholander, W. E., 98 Sefton Drive, Edgewood
Smith, Elphege, Chief, West Warwick



Midwestern Firemen's Clothing

Manufacturers of a complete line of Quality Firemen's Clothing. MIDWESTERN garments are nationally known and have been pronounced by many leading fire chiefs as the VERY BEST on the market. Our garments will give long service, will retain the same flexibility through all temperatures of weather and will keep you warm through all the cold days and nights when fighting fires. MIDWESTERN garments are in a class by themselves, as we are exclusive users of the MIDWESTERN VANITEX and also the Famous Safety Snap which can be fastened and unfastened with one hand and will not freeze as the old type harness snap will do. Order your MIDWESTERN OUTFIT today and be prepared for the cold winter ahead.

New England Representative I. A. LUFT
480 Washington St., Providence, R. I.

Factory and Main Office
MIDWESTERN MANUFACTURING COMPANY
Mackinaw, Illinois

MINE SAFETY APPLIANCES CO.

BRADDOCK, THOMAS & MEADE STREETS
PITTSBURGH, PA.

Manufacturers of a complete line of Fire Fighting and Rescue Equipment, including:



M.S.A. All-Service Gas Masks
M.S.A. Hose Masks
M.S.A. Lightweight Oxygen Breathing Apparatus
H-H Inhalators for Resuscitation
Fire Department First Aid Kits
Foille Burn Kits
Firemen's Helmets
Safety Clothing

DEMONSTRATIONS GLADLY ARRANGED

OUR PAST PRESIDENT BADGES



are Braxmar Badges

The blue covered catalog is the latest published; but write for our new price list; effective July 29th.

THE C. G. BRAXMAR CO., INC.

John O. Veit, President

242 WEST 55th STREET

NEW YORK 19, N. Y.

AKR-O-MIST

1. Opens with 160° Double Conical Adjustable Vapor.
2. Floating seat principle insures Lifetime Service.
3. Pop-up Center for easy cleaning.

(Write for Circular)

AKRON BRASS MFG. CO.

WOOSTER, OHIO

BOSTON COUPLING CO. (New England Distributors)

- Smith, Harold A., Chief, Greenwood
 Smith, John, 69 Granite St., Westerly
 *Stone, David E., Deputy Chief, Station 3, Woonsocket
 Tabor, J. Earle, Chief, Forestdale
 *Whipple, Nathan W., Jr., Chief, North Cumberland Vol. F. D., Valley Falls
 *Young, William, Chief, Cranston

CONNECTICUT

- Allen, Francis J., Conn. Nat'l Board Fire Underwriters, 26 Girard Ave., Hartford
 Allen, Roy E., Chief, Goshen Fire Dept., Waterford
 Atkinson, Rollin, Ex-Dept. Chief, Deep River
 Barber, Irving R., Chief, Moosup
 Barker, Amos E., Chief, Willimantic
 Beman, George R., Chief, Lost Acres Fire Dept., Granby
 Berger, A. R., Chief, Georgetown
 Boyington, Charles L., Ex-Chief, Newington
 Bronsord, Henry H., Ex-Chief, Wallingford
 Bullard, Raymond C., Bullard Co., Bridgeport
 Bussman, Herman, Ex-Fire Comm., 71 Orange St., New Haven
 Cauty, Wm. J., Chief, Burrville Vol. F.D., Torrington
 Carrigan, C. J., Chief, Terryville
 Carroll, T. F., Chief, Fairfield
 *Cavanaugh, Thomas F., Chief, Waterbury
 Childs, Clinton E., Asst. Chief, Williamsville Fire Dept.
 *Clark, Horace B., 21 Woodland St., Hartford
 *Conrady, William, Asst. Chief, Earle St., Rockville
 Couch, Clifford H., Chief, New Preston
 Cramer, Frank W., Chief, Shelton
 *Cromack, Harold F., Chief, Unionville
 Czine, John J., Chief, Wallingford
 Dennert, Frank L., Chief, Westport
 Delagrange, R. M., Chief, Stonington
 *Disbrow, John O., Chief, Wilton F. D., Wilton
 Donaldson, Fred, Asst. Chief, Stratford (Chance Vought Aircraft)
 *Donnelly, T. H., Chief, West Hartford
 Dunn, J. Franklin, Chief, Middletown
 *Enquist, Roy C., Chief, 89 Hopson Ave., Branford
 Everly, James, Ex-Chief of Fairfield Co. No. 1, Comps Beach, Westport
 Finn, George, Captain, Greenwich
 Fogelstrom, Victor A., Chief, Watertown
 Ford, David G., Industrial Chief, Wallingford
 *Foy, Albert B., Chief, South Manchester
 Franklin, Edgar C., Supt. Fire Alarms, 160 Albert St., Torrington
 Fulton, A. J., Chief, Cuno Eng. Corp., Meriden
 Ganner, George A., 101 Pearl St., Thompsonville
 *Gisborne, F. R., Ex-Chief, Sound Beach
 Glenn, Russell A., Sr., Gamewell Co., 335 Fairview Ave., Bridgeport
 Goodman, Edward F., Chief, Torrington
 Greene, Richard M., Dept. Chief Eng. 12, New Haven
 *Griffin, John H., Chief, Norfolk

WHEN *SECONDS* MEAN LIFE!

STANDARD EQUIPMENT
U. S. Navy, Coast Guard
& Maritime Service



"The fastest contact between two given points" — that's the H&R Line Throwing Kit! Every fire department should have at least one of these lifesaving guns that shoots a line up to three hundred feet. Send today for your copy of the new H&R Line Throwing Kit booklet.

Quality Arms since 1871

HARRINGTON & RICHARDSON ARMS CO.

343 PARK AVE., WORCESTER 2, MASS.

DUPONT produces for SAFETY

Among the five thousand chemical products produced by du Pont are many that contribute to fire prevention and general safety.

Here is a partial product listing. We'll gladly send you complete data on any of these products:

Fire Retardants—for flameproofing fabrics, paper and other cellulose products.

Du Pont Safety Film—for amateur and professional use.

Motion Picture Screen Material—fire resistant.

Wood Preservative—"CZC" for pressure treating lumber against decay and termites. It also adds fire retarding properties.

Explosives—for cutting forest fire lanes, excavating emergency water basins, sometimes for checking conflagrations.

Paints, Varnishes and Lacquers—for improving building lighting and housekeeping, and for maintaining fire fighting apparatus and equipment.

Anti-Freeze Products—"Zerex" permanent-type anti-freeze made of ethylene glycol—flash-point approximately 260° F. open-cup, hence relatively nonhazardous.

Neoprene—a synthetic rubber, used in the manufacture of longer lasting rubber-like products that must resist oils, heat, chemicals, sunlight and aging.

Refrigerants—"Freon" safe refrigerants made by du Pont for Kinetic Chemicals, Inc.

E. I. DU PONT DE NEMOURS AND COMPANY, (Inc.)

WILMINGTON



DELAWARE

NEW ENGLAND ASSOCIATION OF FIRE CHIEFS

- *Griswold, Henry G., Fire Comm., 759 Woodward Ave., New Haven
- Hale, Leslie N., Fire Commissioner, Newington
- Hall, William F., Chief, Plainfield
- *Hansen, Ernest, Chief, East Haven
- Harford, D. W., Ex-Chief, 10 Chestnut St., So. Norwalk
- Harris, Arthur E., Deputy Chief, Meriden
- Haughs, William, Ex-Chief, Glenbrook
- *Hayden, Martin J., Chief, 179 Hickory St., Bridgeport
- Hearing, John C., Chief, Stamford-Glenbrook Fire Dept.
- *Heinz, Paul P., Chief, New Haven
- Hines, John J., 265 Laurell Ave., Bridgeport
- Hunt, Harris R., American LaFrance Corp., New Hartford
- *Hutchinson, John A., Jr., Asst. Chief, Old Greenwich
- *Ingals, Francis E., Chief, Chaffinch Island V. F. D., Guilford
- Johnson, H. H., Deputy Chief, Middletown
- *Judson, Allen D., Chief, Stratford
- Kantack, W. W., Chief, 145 Main St., So. Meriden
- Kaul, Richard D., The Sealand Corp, Bridgeport
- Kavanagh, J. D., Chief, Remington Arms Co., Bridgeport
- Keenan, Hugh A., Fire Dept., 506 Harvard Ave., New Haven
- Kelley, Roland A., Asst. Chief, Gen. Elec. Co., 389 Lenox Ave., Devon
- King, John C., Chief, 275 Pearl St., Hartford
- Lake, J. Newcomb, Sambo Laboratories, Box 47, Norwalk
- Lamphere, L. L., Ex-Chief, Naugatuck
- Landon, B. H., First Asst. Chief, Guilford
- *Lawton, M. W., State Fire Coordinator, Middletown
- Lenard, Jules A., Chief, Windsor
- Lippmann, Ernest J., Fire Comm., Rockville
- Loller, Charles P., Chief, 539 Pine Rock Ave., Hamden
- Lucas, Ray, Chief, Long Hill
- Mabbett, Frank A., Chief, Mystic
- Marston, Thos. E., Dept. Administrator Conn. War Council, Cornwall
- Maurice, Paul E., Chief, Baltic
- Maus, Daniel W., Chief, Moodus
- Maxwell, Orrin B., Fabric Fire Hose, Cheshire
- McCarthy, Geo. E., Chief, Westfield Fire Dept., Middletown
- McCleery, Thornton V., Asst. Chief, 51 Echo Lake Rd., Watertown
- McCray, J. Stanley, Fire Commissioner, Rockville
- McNamara, John H., Chief, 45 Fairfield Ave., Danbury
- McPherson, Donald S., Chief, Winsted
- *Meaney, Leon R., Fire Protection Eng. No. 2, Sachem Lane, Greenwich
- Merwin, C. A., Commissioner, Shelton
- Meunier, Frank, Chief, East Hartford
- Milne, George B., Ex-Chief, Rockville
- Moore, Donald A., Chief, Deep River
- *Moore, M., Chief, Stratford (Vought Sikorsky Aircraft Div. United Aircraft Corp.)
- Moroney, John F., Chief, Meriden
- *Mullin, John A., Asst. Chief, Old Greenwich
- Murphy, Thomas J., Chief, Southington
- Neary, James R., Chief Fire Dept., Bullard Co., Bridgeport

COMPLIMENTS OF

Union Mutual Fire Insurance Company

PROVIDENCE, RHODE ISLAND

COMPLIMENTS OF

**WESTFIELD CO-OPERATIVE BANK
WESTFIELD SAVINGS BANK
WORONOCO SAVINGS BANK**

HOTEL BRETON

AND

Grille Room

**106½ CHURCH STREET
RESTAURANT
Telephone 3986**

**BURLINGTON, VT.
ROOMS \$1.00 TO \$3.00
FRENCH CUISINE A SPECIALTY**

COMPLIMENTS OF

SEARS ROEBUCK & CO.

BURLINGTON, VERMONT

- Noble, William J., Chief, New Britain
 *Norton, Clarence E., Chief, 18 Graves Ave., Guilford
 *Oddy, Harold W., Assoc. Chief, Noroton
 Oldack, Edgar A., Peter Pirsch & Sons Co., 104 Lawler Terrace, Stratford
 *Pachl, John S., Chief, Annex Fire Dept., 727 Woodward Ave., New Haven
 *Papp, Ernest T., Fire Dept., Bridgeport
 Parker, Edward H., Chief, Nichols
 Petrucelli, Leonard, Asst. Chief, Meriden
 *Potter, Stuart M., Chief, Greenwich
 Pracny, Edward H., Chief, Walcott
 Prior, E. P., Chief, 18 Lincoln St., Plainville
 Rodgers, Winton B., Chief, Falls Village
 Roland, Wm. H., Chief, United Ill. Co., Bridgeport
 *Sanger, John Joseph, Chief, Forest Ave., Sound Beach
 Sanzone, John J., American LaFrance Foamite Corp., Waterbury
 *Schepp, Wm. F., Fire Comm., Nichols, Former Chief, Cemco Fire Dept., Electric
 Mfg. Co., Bridgeport
 *Schmehl, Clarence W., Chief, East Port Chester
 Shanaghan, Edward, Chief, Vol. Fire Dept., East Haddam
 Sheridan, John J., Chief, Naugatuck
 *Shipman, Thomas H., Chief, New London
 *Short, Winthrop E., Chief, 55 Reynolds St., Danielson
 Spaine, Francis O., 1341 Chapel St., New Haven
 Speh, Chas. H., Dept. Chief, Stamford
 Sperry, Leon M., Mack Motor Co., 49 Russell St., Hamden
 *Starkel, Frank, Deputy State Fire Marshal, Dept. State Police, Hartford
 Stiles, Walter F., Captain State Police, Hartford
 Stowe, Lewis F., Chief, Milford
 *Swan, James W., Chief, 7 Swan Ave., Seymour
 Tracey, Joseph P., Chief, Norwich
 Veit, Victor H., Chief, Stamford
 *Volk, Chas. A., Chief, Norwalk
 Wellington, George, Fire Commissioner, 1699 Noble Ave., Bridgeport
 White, Herbert P., Chief, Groton
 Wochomurka, Edward, Chief, Tolland
 Wood, Ernest W., Fire Marshal, Branford
 Zvonkovic, John, Asst. Chief, Branford

NEW YORK

- Archer, Dr. Harry M., Dep. Fire Comm. Fire Dept., New York
 Beardslee, F. W., Mack Motor Truck Co., 34th St. and 38th Ave., New York
 Binford, J. O., American LaFrance, Elmira, New York
 Bjorck, Nils G., Ward LaFrance Truck Div., Elmira
 Borthwick, George, Vice Pres., Mack Motor Truck, Albany
 Cairns, Edward, 444 Lafayette St., New York
 Case, I. H., "Fire Engineering," 24 West 40th St., New York
 Cavanagh, Harry G., A. D. T. Co., 155 Sixth Ave., New York
 Dwyer, John T., Eureka Fire Hose, 1230 Sixth Ave., New York
 Green, Joseph H., Pres. Eureka Fire Hose Co., Rockefeller Ctr., New York
 Lenz, Chas. C., Pres. Atlas Fire Equip. Co., New York
 Morley, G. Monroe, Jr., 13 Williams St., New York

NEW ENGLAND ASSOCIATION OF FIRE CHIEFS

Mullins, Gordon R., 305 E. 88th St., New York
Myers, Arthur, Atlas Fire Equip. Co., 22 Warren St., New York
O'Neill, E. E., President American LaFrance Foamite Corp., Elmira
Pusch, R. H., General Pass. Agt., Grand Central Terminal
Rathgeb, John W., Chief, Port Chester
Shepperd, Fred, Editor, "Fire Engineering," 24 West 40th St., New York
Shulsinger, Irving, Secy. I. M. S. A., 8 East 41st St., New York
*Smith, D. B. & Co., Utica, Thomas M. Burton, Representative, "Indian Fire Pumps"
Smith, Richard N., Mack Motor Truck, Albany
Sullivan, Arthur G., Buffalo Fire Applia. Corp., Buffalo
Veit, John O., C. G. Braxmar Co., 242 55th St., New York
Ward, LaFrance, Truck Corp., 276 Jackson Ave., Bronx, New York

NEW JERSEY

Bilby, Arthur W., Chief, Montclair
Brown, Gilbert, Federal Tel. & Radio Corp., Newark
Callahan, Andrew T., Chief, Harrison
Cordes, Fred W., Chief, Maplewood
Day, Gus L., Ex-Chief, Mendham
Green, Freeland M., 11 Clinton St., Morristown
*Gussner, Thomas L., Chief, Bloomfield
Hayes, J. David, Chief, Millburn
Hutch, Andrew, Chief, Nutley
*Keegan, James T., Supt. Prot. Dept., 227 Wash. St., Newark
Lasher, George P., Chief, Edgewater
Linden, William, Chief, Westfield
McGinley, Chas. A., Chief, East Orange
*Mitchell, George, Ex-Chief, East Orange
Moeller, William, Jersey City, 254 Bowers St.
Murray, Thomas J., Chief, Summit
Priest, George T., Chief, Curtiss-Wright Corp., Caldwell
*Reid, Robert A., Chief, Belleville
Smith, Frank P., Chief, East Newark, Newark
Wilderotter, Charles J., 429 Fairmount Ave., Newark

OHIO

Fox, Charles H., Engineering Consultant, 2966 Erie Ave., Cincinnati
Lagher, S. G., Pres. Akron Brass Mfg. Co., Wooster
Love, J. M., Gen. Mgr. Akron Brass Mfg. Co., Wooster
Rearick, K. E., Wooster Brass Co., Wooster

WASHINGTON, D. C.

Richardson, George J., Sec. Treas., International Association Fire Fighters, 207 American Federation Labor Bldg., Washington

MICHIGAN

Pulver, R. G., John Bean Mfg. Co., Lansing

PENNSYLVANIA

Cornwall, R. A., Chief, Industrial Plant, Kerotest Mfg. Co., Pittsburgh
H. O. Meier, Mgr., Fire Hose Div. Quaker Rubber Corp., Philadelphia
R. D. Wood Co., 400 Chestnut St., Philadelphia

JOHN C. L. SHABECK

METAL PRODUCTS

236 ABORN STREET

PROVIDENCE, RHODE ISLAND

RICCO COMPANY

Dyestuffs -- Oils -- Chemicals

MANUFACTURERS' AGENTS



217 CANAL STREET

PROVIDENCE, R. I.

H. MORGENSTERN, Treasurer
FRED A. OTIS, President

SAMUEL A. OTIS, Secretary

Metropolitan Bldg.
CHICAGO
Heyworth Bldg.
LOS ANGELES

HARVEY E. OTIS, INC.

ORGANIZED 1884

INCORPORATED 1942

EMBLEMS FOR FRATERNAL ORDERS

JEWELS . MEDALS . LOCKETS . CROSSES . JEWELRY

46 CHESTNUT STREET, PROVIDENCE, R. I.



INVEST IN WAR BONDS



INDIANA

Hansen, Elwood E., Elkhart Brass Mfg. Co., Elkhart

CANADA

Maitland, Geo. C., Chief Defense Ind. Limited, Nobel, Ontario

*Pare, R. E., Chief, Montreal

Halifax, N. S.

Scott, W. J., Fire Marshal, Toronto, Ontario

COLORADO

Bryan, W. S., Asst. Chief, 2969 Foster Court, Denver

FLORIDA

Hoyt, Reverend H. Chester, "Fairview," Holyoke, Mass. (Rt. No. 2 W. 48th, Sarasota

Reif, Lawrence E., Ex-Chief, New Haven, Conn., P. O. Box 1843, Hollywood

ILLINOIS

Porosky, M., President and Gen'l Mgr., Eagle Signal Corp., Moline

HONORARY MEMBERSHIP LIST

Fortin, Charles E., Ex-Chief, Lewiston, Maine

Hutchinson, Edward J., Ex-Chief, Boothbay Harbor, Maine

Austin, C. H., Ex-Fire Comm., Nashua, N. H.

Newman, Wm. E., Ex-Chief, Hillsboro, N. H.

Melendy, Albert C., Ex-Chief, Nashua, N. H.

Stockwell, Carl, Ex-Chief, Burlington, Vt.

Collins, Waldo A., Ex-Chief, Holliston, Mass.

Comins, Charles E., Ex-Chief, Wararen, Mass.

DeCourcy, D. H., Ex-Chief, Winchester, Mass.

*Doyle, John P., Ex-Chief, Wellesley, Mass.

Fox, Henry A., Ex-Chief, Boston, Mass.

Hannan, John H., Ex-Fire Comm., Malden, Mass.

*Healy, D. Edward, Oper. Elect. Fire & Police Dept., Retired, 25 Blossom St., Worcester, Mass.

Hiser, Charles, Ex-Chief, Adams, Mass.

*Hurley, Patrick J., Ex-Chief, Holyoke, Mass.

*Ordway, O. O., Ex-Chief, Reading, Mass.

Saunders, E. F., Ex-Chief, Lowell, Mass.

*Sennott, Daniel F., Ex-Chief, Boston, Mass., 10 Graham Terr., W. Roxbury

Skelton, Walter W., Ex-Chief, Burlington, Mass.

Small, Robert O., Director of Vocational Education, Commonwealth of Mass.

Stratton, M. Norcross, Supervisor of Vocational Education, Commonwealth of Mass.

Tiffany, F. M., Ex-Chief, Bennington, Vt., 5227 Bellephaine Ave., Chicago, Ill.

Tracey, Frank E., Ex-Chief, Woburn, Mass.

Winslow, Herbert H., Comm. on Firemen's Relief Fund of Mass., 221 Market St., Lynn, Mass.

Weeks, Reuben, Ex-Chief, Providence, R. I.

*Burr, Edwin R., Honorary Chief, Stratfield F. D., Bridgeport, Conn.

Woolley, Roi, Asst. Editor, "Fire Engineering," New York

Knickerbocker, Daniel E., Ex-Chief, Springdale, Conn.

Chesson, Frederick W., Ex-Fire Comm., Waterbury, Conn.

Downey, James A., Ex-Chief, Wallingford, Conn.

Hall, Herman S., State Supervisor Trade & Indus. Education, State Dept., Conn.
Taft, Henry R., Ex-Chief, Norwich, Conn.
Dougherty, Thomas F., Ex-Asst. Chief, New York
Cushman, Frank, Chief, Indust. Educational Service, Wash., D. C.
Bogardus, George W., Ex-Chief, So. Norwalk, Conn., St. Petersburg, Fla.
Bogan, Robert A., Chief, Baton Rouge, La.
Evans, John, Chief, New Orleans, La.
Mottesheard, R. E., Dearborn, Mich.
Steinkellner, Peter, Chief, Milwaukee, Wis.

INSURANCE BROKERS SECTION

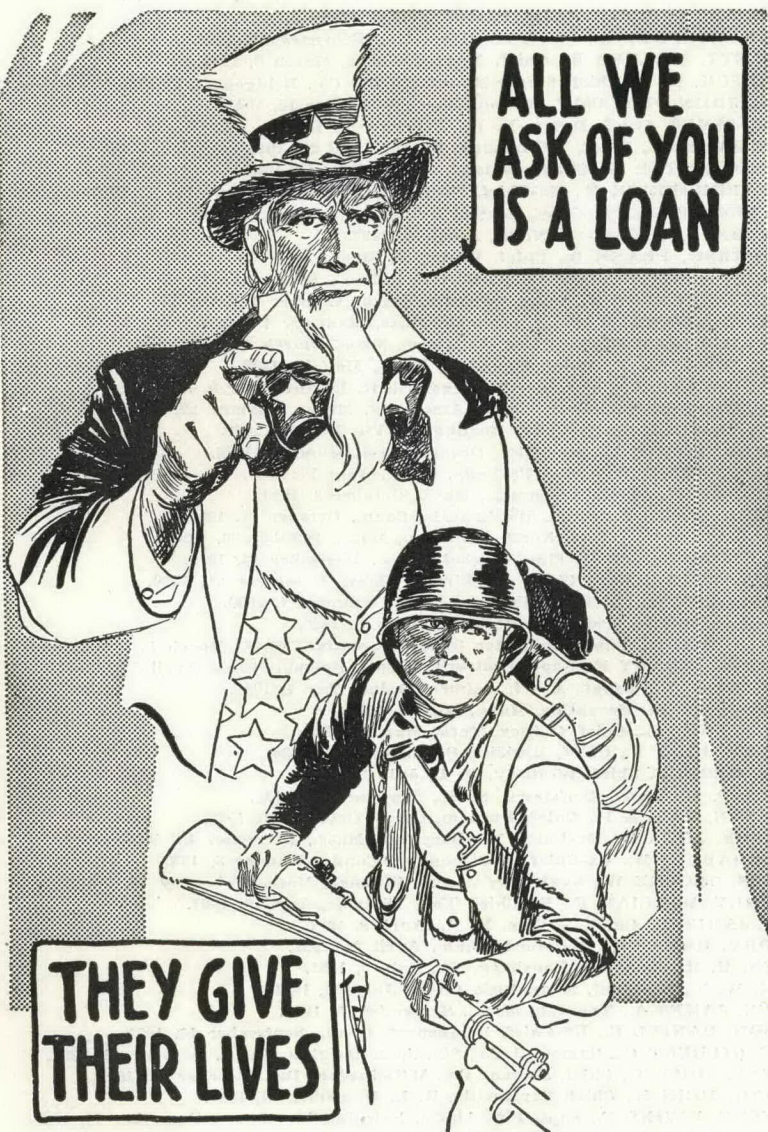
Anderson, Arthur J., O'Brien, Russell Co., 108 Water St., Boston, Mass.
Boit, Dalton & Church, 89 Broad St., Boston, Mass.
Cherry, Martin C., New Hampshire Fire Ins. Co., 89 Broad St., Boston, Mass.
Clark, Robert M., G. H. Aldrich & Sons, 30 Main St., Keene, N. H.
Edgerly, Ferdinand B., Edgerly Ins. Agency, 839 Elm St., Manchester, N. H.
Erskine, Kenneth H., Mgr. Liverpool & London & Globe Ins., Boston, Mass.
Everett, Douglas W., Ins. Broker, Concord, N. H.
Field, Eddy & Bulkley, 1200 Main St., Springfield, Mass.
G. Allen Putnam Agency, Manchester, N. H.
Haller, Julius, O'Brien, Russell Co., 2 Coulton Park, Needham, Mass.
Hamilton, H. J., State Agent, 390 Main St., Worcester, Mass.
Hinckley, Ralph G., N. E. Mgr. Amer. Ins. Co. of Newark, Boston, Mass.
Hurst, Carl E., State Agent, Conn. Fire Ins. Co., Boston, Mass.
McLean, C. Garfield, Adjuster, Pres. McLean Reports, Ins. Surveys, 101 Milk St.,
Boston, Mass.
McWalter, John J., 34 Main St., Concord, Mass.
New Hampshire Fire Ins. Co., Manchester, N. H.
Pape, George R., Mgr., Nat'l Liberty Ins., 101 Milk St., Boston, Mass.
Ray, Maynard C., Burlington, Vt.
Rogers, Fred K., Adjuster, 10 Post Office Sq., Boston, Mass.
Sherman, Emmanuel, Ins. Agent & Broker, 19 Milk St., Boston, Mass.
Slee, Charles A., Agency Inc., Insurance Broker, Marblehead, Mass.
Thomas, Clyde S., 7 Rock St., Middleboro, Mass.
Tourison, Edward G., Adjuster, 141 Milk St., Boston, Mass.
White, Arnold R., Pres. J. R. Tallman Co., Inc., Taunton, Mass.

* Star before name denotes membership in International Association of Fire Chiefs.

BUY ANOTHER WAR BOND

TOTAL MEMBERS, NOVEMBER, 1944

MAINE	63
NEW HAMPSHIRE	39
VERMONT	30
MASSACHUSETTS	416
RHODE ISLAND	58
CONNECTICUT	134
NEW YORK	26
NEW JERSEY	20
PENNSYLVANIA	3
OHIO	4
WASHINGTON, D. C.....	1
ILLINOIS	1
INDIANA	1
COLORADO	1
LOUISIANA	2
FLORIDA	2
MICHIGAN	1
WISCONSIN	1
CANADA	3
SERVICE MEN	67
INSURANCE MEMBERS	24
<hr/>	
TOTAL	898



BUY WAR BONDS

Our Roll of Honor

BODGE, ARTHUR, Asst. Chief, Peabody, Mass., May 5, 1923.
 SAMSON, WILFRED J., Chief, Lewiston, Me., February 17, 1924.
 RANDLETT, WALTER B., Chief, Newton, Mass., March 3, 1924.
 MCCORMICK, W. S., Chief, Singer Manufacturing Co., Bridgeport, Conn., November, 1924.
 TABER, JOHN OTIS, Chief, Boston, Mass., December 16, 1924.
 SMITH, JAMES, Chief, Dover, N. H., February 8, 1925.
 TIGHE, JAMES J., Chief, Willimantic, Conn., April 22, 1925.
 FIFIELD, LESTER G., Chief, Ashland, N. H., July 31, 1925.
 CHASE, FREDERICK E., Ex-Chief, Northampton, Mass., November 3, 1925.
 BROWNING, ROBERT, Chief, Central Falls, R. I., November 20, 1926.
 ROBINSON, C. E., Concord, N. H., April 16, 1927.
 WHITMARSH, FRANK O., Chief, Braintree, Mass., July 30, 1927.
 FOWLER, ALBERT A., Ex-Chief, Gardner, Mass., September 11, 1927.
 SEAVERN, ERNEST R., Chief, Scituate, Mass., October 1, 1927.
 BAKER, ELLSWORTH, Chief, Seekonk, Mass., January 16, 1928.
 PACKARD, HIRAM R., Ex-Chief, Attleboro, Mass., March 27, 1928.
 DALEY, WILLIAM F., Chief, Brockton, Mass., May 13, 1928.
 BRYNES, PETER S., Chief, North Kingsford, R. I., November 9, 1928.
 GRANT, ERNEST F., Deputy Chief, Amesbury, Mass., January 22, 1929.
 GRANT, LOWELL C., Ex-Chief, Burlington, Vt., May 13, 1929.
 GUNTHER, FRANK H., Ex-Chief, Dracut, Mass., June 24, 1929.
 BARRETT, JESSE, Ex-Chief, Peabody, Mass., July 13, 1929.
 HUNT, JOHN Q., Chief, Weymouth, Mass., October 8, 1929.
 WEBSTER, WADE U., Chief, Willimantic, Conn., October 27, 1929.
 TUFTS, HARRY W., Chief, North Attleboro, Mass., October 30, 1929.
 NEAL, GEORGE C., State Fire Marshal, Mass., December 14, 1929.
 DANAHY, TIMOTHY J., Chief, Hopkinton, Mass., December 21, 1929.
 PITT, GEORGE S., Chief, Middletown, Conn., January 2, 1930.
 KING, WARREN D., Peabody, Mass., January 5, 1930.
 GUERTIN, WM. H., Supt. Protective Dept., Worcester, Mass., March 19, 1930.
 THOMPSON, HENRY E., Supt. Protective Dept., Boston, Mass., April 2, 1930.
 PRATT, EARL H., Deputy Chief, Auburn, Maine, May 1, 1930.
 HARDY, JOHN M., Brookline, Mass., May 2, 1930.
 MEAD, ALFRED L., Chief, Quincy, Mass., May 27, 1930.
 DONOVAN, JOHN F., Chief, Meriden, Conn., May 28, 1930.
 EGGER, GEORGE, Chief, Westerly, R. I., July 29, 1930.
 PATTEE, P. W., Chief, Goffstown, N. H., September 1, 1930.
 THURSTON, RALPH E., Chief, Putnam, Conn., October 16, 1930.
 ERICKSON, JOHN O., Ex-Chief, Newburyport, Mass., December 17, 1930.
 ROSE, CHARLES H., Ex-Chief, New London, Conn., January 8, 1931.
 NICHOLS, GEORGE W., Supt. Fire Alarm, Woburn, Mass., February 10, 1931.
 CARBERRY, WILLIAM F., Ex-Chief, East Walpole, April 6, 1931.
 SMITH, JAMES E., Chief, Nashua, N. H., April 9, 1931.
 MALLORY, HOMER J., Stamford, Conn., April 21, 1931.
 MARTIN, H. M., Ex-Chief, Enosburg, Vt., July 2, 1931.
 CLARK, W. F., Ex-Chief, Naugatuck, Conn., July 25, 1931.
 HOOBEN, JAMES A., Taunton, Mass., September 5, 1931.
 JOHNSON, DANIEL E., Ex-Chief, Bridgeport, Conn., September 17, 1931.
 TOONE, GILBERT G., Gamewell Co., Needham Heights, Mass., October 12, 1931.
 CONEENY, JOHN T., Chief, Dupont Co., Wilmington, Del., October 14, 1931.
 FLEMING, JOHN R., Chief, Saylesville, R. I., December 22, 1931.
 LABENSKY, IRVING F., Supt. Fire Alarm, New London, Conn., December 25, 1931.
 BROWN, HENRY A., Ex-Chief, Marlboro, Mass., January 6, 1932.
 GALE, C. DAVID, District Chief, Orange, Mass., January 21, 1932.
 DORAN, ANDREW T., Chief, Greenfield, Mass., February 18, 1932.
 LEWIS, WM. H., Fabric Hose Co., Worcester, Mass., April 1, 1932.
 BLETHEN, CHESTER H., Ex-Chief, Auburn, Me., April 11, 1932.
 HYATT, HENRY J., Chief, Fitchburg, Mass., May 2, 1932.
 FURGANG, LEONARD, West Roxbury, Mass., May 5, 1932.
 FULLER, CHARLES H., Chief, Pawtucket, R. I., May 15, 1932.
 GARDINER, WARREN B., Chief, Saylesville, R. I., July 11, 1932.
 FOX, JOHN C., Fire Commissioner, Rutland, Vt., July 23, 1932.
 DOLAN, JOSEPH A., Deputy Chief, Boston, Mass., August 25, 1932.

Our Roll of Honor

(Continued)

GREEN, WILLIAM C., Chief, Concord, N. H., October 27, 1932.
 O'CONNOR, THOMAS, Battalion Chief, Washington, D. C., November 20, 1932.
 ESTERBROOK, WILLARD W., Fire Commissioner, Brookline, Mass., December 3, 1932.
 RICH, SEWELL M., Ex-Chief, Somerville, Mass., December 9, 1932.
 SPALDING, HOWARD C., Augusta, Me., January 27, 1933.
 CRIBBY, JOSEPH A., Ex-Chief, Somerville, Mass., February 17, 1933.
 WARD, THOMAS G., Chief, Shelton, Conn., March 9, 1933.
 LACROIX, CHARLES, Ex-Chief, Millis, Mass., March 17, 1933.
 McPHEE, MICHAEL, Ex-Chief, Lawrence, Mass., April 25, 1933.
 KING, HERBERT E., Ex-Chief, Mansfield, Mass., May 15, 1933.
 HOAGLAND, IRA G., Nat. Auto. Sprink. Assoc., New York City, August 5, 1933.
 WHEELER, A. D., Gamewell Co., Newton Upper Falls, Mass., August 17, 1933.
 KIMBALL, HOWARD C., Ex-Chief, Salem, Mass., August 27, 1933.
 SULLIVAN JOHN E., Ex-Chief, Plymouth, Mass., December 16, 1933.
 KOEN, JAMES S., Chief, Salem, Mass., December 21, 1933.
 PERSONS, VANEY P., Chief, Montpelier, Vt., February 6, 1934.
 COMBER, EDWARD, Ex-Chief, Narragansett Pier, R. I., March 7, 1934.
 AHERN, WILLIAM A., Fire Marshal, Brantford, Conn., April 28, 1934.
 FISKE, HOWARD, Ex-Chief, Framingham, Mass., May 30, 1934.
 PARTENHEMER, PHILIP, Ex-Chief, Greenfield, Mass., July 9, 1934.
 AMBROSE, GEORGE C., Boston, Mass., July 18, 1934.
 BARRY, W. A., Eureka Fire Hose Co., Boston, August 13, 1934.
 HEITMAN, HENRY H., Chief, Waterbury, Conn., September 19, 1934.
 MONTMENY, ARTHUR, Ex-Chief, Chicopee, Mass., October 1, 1934.
 MANY, ROBERT, Fabric Fire Hose Co., Boston, Mass., October 13, 1934.
 KEANE, JOHN W., Ex-Deputy Chief, Marlboro, Mass., December 11, 1934.
 MOORE, EDWIN D., Bennington, Vt., March 25, 1935.
 TORREY, ARCHIE W., Chief, North Scituate, Mass., April 2, 1935.
 HAYES, JOHN H., Ex-Chief, Bristol, Conn., June 13, 1935.
 McLAUGHLIN, DANIEL F., Ex-Chief, East Providence, R. I., June 22, 1935.
 JOY, MELLEEN R., Chief, Saugus, Mass., July 31, 1935.
 MAXIM, CARLTON W., Ex-Chief, Middleboro, Mass., August 27, 1935.
 STANTON, HOWARD L., Ex-Chief, Norwich, Conn., August 30, 1935.
 MASON, W. S., Chief, Bangor, Me., November 12, 1935.
 TITUS, WILLIAM E., Ex-Chief, Pawtucket, R. I., February 26, 1936.
 MILLER, DEAN H., Chief, Ashland, Mass., April 25, 1936.
 WEDGER, WALTER L., Belmont, Mass., June 2, 1936.
 PATT, IRVING F., Ex-Chief, Central Falls, R. I., June 17, 1936.
 WOODWARD, A. P., Ex-Chief, Danielson, Conn., June 27, 1936.
 KELLEY, JOSEPH B., Pawtucket, R. I., July 1, 1936.
 LUBY, JOHN J., Chief, Wallingford, Conn., July 12, 1936.
 FERNBERGER, HERMAN W., Philadelphia, Pa., July 18, 1936.
 HARRISON, FRANK R., Chief, Onset, Mass., August 4, 1936.
 MAINZER, ROBERT H., Hon. Dept. Chief, New York, August 6, 1936.
 PALMER, JOHN A., Chief, Torrington, Conn., December 7, 1936.
 HILL, CHAS. E., Chief, Cape Elizabeth, Maine, December 28, 1936.
 McGRATH, PATRICK J., Ex-Chief, Meridan, Conn., Died January 8, 1937.
 SCANNELL, DR. JOSEPH W., Fire Comm., Lewiston, Me., January 16, 1937.
 NEARY, JOHN H., Chief, Natick, Mass., January 18, 1937.
 CASEY, JAMES M., Ex-Chief, Cambridge, Mass., January 25, 1937.
 SEARS, C. E., Chief Engineer, Claremont, N. H., May 5, 1937.
 WHITING, HOMER B., Ex-Chief, Hampton Beach, N. H., May 26, 1937.
 HOADLEY, G. W., Ex-Chief, Naugatuck, Conn., June 9, 1937.
 DUGAN, ARTHUR W., Chief, Vergennes, Vt., July 5, 1937.
 HUBBARD, ISAAC M., Chief, Greenwich, Conn., August 15, 1937.
 HAINES, FRANKLIN W., 57 Gardner St., Peabody, Mass., August 28, 1937.
 LYNCH, THOMAS J., Chief, Waterbury, Conn., October 1, 1937.
 MIGUEL, MANUEL S., Chief, Manchester, Mass., October 3, 1937.
 PICKETT, E. W. S., Ex-Chief, Fairfield, Conn., November 1, 1937.
 KNOWLES, C. H., Ex-Chief, So. Hamilton, Mass., November 11, 1937.
 DALLAGHER, JAMES M., District Chief, Fall River, Mass., December 11, 1937.
 SCULLY, JOHN J., American Fire Equipment Co., Boston, Mass., December 29, 1937.
 WARE, LEWIS A., Chief, Hanover, N. H., February 2, 1938.

Our Roll of Honor

(Continued)

WHITE, FRANK M., Chief, Guilford, Conn., June 4, 1938.
 RUSSELL, WM. G., Captain, Waterbury, Conn., June 29, 1938.
 HURLEY, ROBERT T., Hartford, Conn., August 30, 1938.
 HANMER, H. F., Ex-Chief, Wethersfield, Conn., September 9, 1938.
 STEVENS, HENRY J., Chief, Nantasket Beach, Mass., September 13, 1938.
 PERCEY, M. S., Chief, No. Bennington, Vt., October 15, 1938.
 ADAMS, JOHN T., Ex-Chief, Marblehead, Mass., December 19, 1938.
 ATKINS, W. H. H., Chief, Marblehead, Mass., December 20, 1938.
 SHERWOOD, WM. D., Ex-Chief, Southport, Conn., December 27, 1938.
 HUDSON, DAVID M., Chief, Chelsea, January 2, 1939.
 KINSELLA, ALFRED, Captain, Belmont, Mass., January 23, 1939.
 EATON, FRANK L., Deputy Fire Marshal, Waterbury, Vt., February 27, 1939.
 QUINLAN, ROBERT T., Ex-Chief, Needham, Mass., March 20, 1939.
 SHANNON, WALTER E., Chief, Wakefield, R. I., April 21, 1939.
 WAITE, IRVING C., Chief, Bedford, Mass., July 16, 1939.
 SULLIVAN, JEREMIAH F., Ex-Chief, Fall River, Mass., August 8, 1939.
 SHEPARD, W. C., Ex-Chief, Pittsfield, Mass., September 2, 1939.
 HOWLAND, J. LESTER, Chief, Hyannis, Mass., November 3, 1939.
 CARTY, WM. E., Ex-Chief, Burlington, Vt., November 22, 1939.
 MARTIN, FRANK F., Ex-Chief, Cohasset, Mass., November 29, 1939.
 MORRIS, F. J., Ex-Chief, Lawrence, Mass., December 3, 1939.
 OLSON, ALBERT T., McNeil and Olsen Co., Walpole, Mass., December 6, 1939.
 FLYNN, DANIEL W., Ex-Chief, Great Barrington, Mass., December 9, 1939.
 McGLAUFILIN, FLOYD E., Chief, Presque Isle, Maine, January 28, 1940.
 GALVIN, MILTON, Chief, Naugatuck, Conn., February 21, 1940.
 CRITTENDON, RUFUS A., Chief, Haverhill, Mass., February 24, 1940.
 BRODY, GEORGE F., Marlboro, Mass., March 8, 1940.
 DAGGETT, W. H., Ex-Chief, Springfield, Mass., May 18, 1940.
 CHASE, EDWARD E., Ex-Chief, Lynn, Mass., May 30, 1940.
 WALSH, PETER E., Ex-Chief, Boston, Mass., August 24, 1940.
 NARY, THOS. M., Captain, Roslindale, Mass., July 24, 1940.
 SHANNON, FRANK J., Chief, Stonington, Conn., August 26, 1940.
 YOUNG, DANIEL F., Chief, Cranston, R. I., August 29, 1940.
 REILLY, WILLIAM J., Capt., Cambridge, Mass., September 4, 1940.
 DAVID, FRED M., Ex-Chief, Damariscotta, Me., September 24, 1940.
 BURNS, THOMAS F., Chief, Bridgeport, Conn., October 9, 1940.
 HARRIGAN, HENRY J., Chief, Dedham, Mass., October 19, 1940.
 FARRELL, MORGAN B., Chief, Bristol, Conn., October 19, 1940.
 MANSFIELD, LUCIUS R., Ex-Chief, Rehoboth, Mass., October 8, 1940.
 WHITNEY, JOHN W., Belmont, Mass., January 3, 1941.
 NEWHALL, TERRY A., Swampscott, Mass., January 9, 1941.
 MCKENZIE, GEORGE A., Asst. Chief, Westerly, R. I., January 21, 1941.
 DAMON, J. F., Ex-Chief, Milford, Mass., March 7, 1941.
 REYNOLDS, CHARLES A., Chief, Willimantic, Conn., June 14, 1941.
 NEIDNER, ALBERT L., Malden, Mass., July 28, 1941.
 LEWIS, W. B., Chief, Wiscasset, Maine, August 24, 1941.
 MAURER, ROBERT L., Chief, Westport, Conn., September 20, 1941.
 DONOVAN, LAWRENCE, Quincy, Mass., December 4, 1941.
 SMITH, GEO. W., Ex-Chief, Wakefield, R. I., December 7, 1941.
 NEIL, RAYMOND J., Chief, Barnstable, Mass., February 24, 1942.
 MINEHAN, EDWARD C., Ex-Chief, Marlboro, Mass., February 25, 1942.
 ESTES, REUBEN E., Ex-Chief, Lewiston, Maine, March 15, 1942.
 DAWSON, LEONARD, Gamewell Co., Newton Upper Falls, Mass., April 4, 1942.
 McCOSKER, JOSEPH P., Ex-Chief, Bangor, Maine, April 8, 1942.
 SALSMAN, WILLIAM, Chief, Saugus, Mass., April 25, 1942.
 DAY, JOHN H., Capt., 1 Lynn Shore Drive, Lynn, Mass., May 2, 1942.
 REES, WARREN C., West Somerville, Mass., joined Dec. 29, 1939, died June, 1942.
 MAHONEY, THOMAS H., Ex-Chief, Westfield, Mass., Sept. 7, 1942.
 DOLLEY, HERBERT A., Chief, Tilton, N. H., joined June 22, 1926, died Sept. 21, 1942.
 MORAN, JOHN C., Ex-Chief, Hartford, Conn., October 13, 1942.
 WIGGIN, LESLIE C., Chief, Franklin, Mass., joined June 30, 1927, died Nov. 20, 1943.
 CORNELL, BERT H., Allston, Mass., November 27, 1942.
 FISCHER, JOHN H., Ex-Chief, Prov. R. I., joined June 20, 1939, died Dec. 27, 1942.

Our Roll of Honor

(Continued)

HENEX, JOHN C., Chief, Barre, Vermont, joined May 22, 1923, died Jan. 7, 1943.
 BROWN, WALTER H., Bridgton, Maine, joined June 15, 1933, died Jan. 26, 1943.
 GRISWOLD, HENRY H., Ex-Chief Annex Fire Dept., New Haven, Conn., joined June 24, 1929, died Jan. 27, 1943.
 BRADBROOK, G. E., New York, N. Y., joined June 29, 1925, died Feb. 11, 1943.
 TAUPIER, NAPOLEON, Chief, Pawtucket, R. I., joined June 25, 1935, died Mar. 28, 1943.
 LINSOTT, WENTWORTH F., Hingham, Mass., joined Sept. 4, 1942, died May 5, 1943.
 HILDRETH, ALBERT F., Ex-Chief, Hollis, N. H., joined May 12, 1936, died May 22, 1943.
 KEENA, MICHAEL T., Ex-Chief, Hartford, Conn., joined Jan. 22, 1937, died May 27, 1943.
 MORGAN, SAMUEL W., Chief, Wethersfield, Conn., joined June 23, 1936, died June 3, 1943.
 RUMBILL, EUGENE C., Chief, Hillsboro, N. H., joined June 19, 1928, died June 8, 1943.
 REILLY, JOHN J., Boston, Mass., joined July 8, 1941, died June 25, 1943.
 HAMMOND, WILLIAM J., Woburn, Mass., joined May 19, 1941, died July 18, 1943.
 CHURCHILL, FRANK W., Chief, Rockyhill, Conn., joined June 24, 1936, died Aug. 15, 1943.
 BERRY, W. A., Ex-Chief, Danvers, Mass., joined June 24, 1924, died Aug. 17, 1943.
 WILTSE, JAMES R., Chief, Elm Forest Fire Co., No. 1, East Haven, Conn., joined Apr. 15, 1931, died Aug. 20, 1943.
 LEAVITT, CHARLES F., Ex-Chief, Nahant, Mass., joined June 23, 1931, died Sept. 8, 1943.
 KELLOGG, SAMUEL E., Chief, Hopedale, Mass., joined June 23, 1925, died Oct. 9, 1943.
 HAPPNY, WILLIAM T., Chief, First Vice President, Concord, N. H., joined Mar. 3, 1933, died Nov. 21, 1943.
 WIGGIN, LESLIE S., Chief, Franklin, Mass., joined June 30, 1927, died Nov. 29, 1943.
 SAYER, W. NORMAN, Newport, R. I., joined May 16, 1936, died Dec. 6, 1943.
 VONHOLTZ, EDWARD A., Ex-Chief, Southport, Conn., joined Mar. 8, 1929, died Dec. 12, 1943.
 GARRITY, STEPHEN C., Ex-State Fire Marshal, Lowell, Mass., joined Jan. 3, 1935, died Dec. 25, 1943.
 SULLIVAN, M. P., Boston, Mass., joined July 28, 1938, died Jan. 2, 1944.
 STEWART, C. D., New York, joined May 23, 1923, died Jan. 24, 1944.
 MULOCK, FRANKLIN C., Chief, Weston, Mass., joined Apr. 23, 1929, died Feb. 20, 1944.
 CAMPBELL, JOHN, Reading, Mass., joined Mar. 20, 1929, died Mar. 8, 1944.
 NICHOLLS, JOHN T., Ex-Chief, Malden, Mass., joined May 20, 1926, died Mar. 8, 1944.
 LEONARD, FRED A., Ex-Chief, Taunton, Mass., joined July 12, 1922, died Mar. 12, 1944.
 PATT, EVERETT I., Lieut., Central Falls, R. I., joined June 23, 1931, died Mar. 14, 1944.
 HENDERSON, R. W., Chief, Thomaston, Conn., joined June 23, 1936, died Apr. 1, 1944.
 JOHNSON, GEORGE L., Ex-Chief, Waltham, Mass., joined July 12, 1922, died Apr. 12, 1944.
 CRANDALL, LEROY H., Boston, Mass., joined June 24, 1931, died Apr. 29, 1944.
 MOLOY, JAMES E., Former State Forest Warden, Woburn, Mass., joined Apr. 1, 1930, died May 10, 1944.
 FANCHER, RUFUS R., Ex-Chief, New Haven, Conn., joined June 10, 1924, died May 31, 1944.
 KINNEY, F. J., Chief, Orleans, Vermont, joined June 23, 1927, died June 6, 1944.
 WARREN, GEORGE A., Brighton, Mass., joined July 2, 1935, died June 16, 1944.
 HOUGH, WILLIS F., Chief, Lebanon, N. H., joined June 7, 1936, died June 18, 1944.
 DREW, MORRIS R., Ex-Chief, Valley Falls, R. I., joined June 20, 1923, died Aug. 21, 1944.
 TARR, FRANK H., Capt., Wenham, Mass., joined Mar. 2, 1935, died Aug. 21, 1944.
 PETERSON, CARL G. R., Chief, Trumbull Fire Dept., Bridgeport, Conn., joined Sept. 2, 1933, died Sept. 2, 1944.
 TAYLOR, J. FRANK, Ex-Chief, Nahant, Mass., joined Aug. 14, 1942, died Sept. 29, 1944.

NEW ENGLAND ASSOCIATION OF FIRE CHIEFS

RICHARDSON, DANA & CO.

CYPRESS

LONG LEAF YELLOW PINE

OREGON FIR TIMBER AND PLANK

PORTLAND

MAINE

DAVIS VAPOTESTER

FOR DETECTION OF COMBUSTIBLE GASES AND VAPORS

GAS MASKS

HOSE MASKS

FIRST AID KITS

ELECTRICIAN'S BELTS, STRAPS, GLOVES



New England Representative: M. D. SMITH, 46 GOSS AVE., MELROSE, MASS.

DAVIS EMERGENCY EQUIPMENT **CO., INC.**
NEWARK, NEW JERSEY

Telephone 3-0529

Residence Telephone 3-0416

WILLIAM GOODMAN

GRADER AND PACKER OF

Paper Makers' Supplies

ALL GRADES OF STERILIZED WIPING RAGS A SPECIALTY

202 COMMERCIAL ST.

P. O. BOX 85

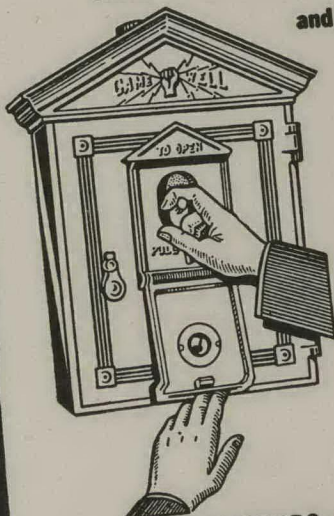
PORTLAND, MAINE

WHERE IS THE NEAREST FIRE ALARM BOX?

USE THE
NEAREST
BOX NO. _____

AT _____

and wait for the Firemen



WHEN FIRE OCCURS—
Use the Box **IMMEDIATELY**
Delayed Alarms are largely respon-
sible for the excessive Fire Loss.

DO YOU KNOW THAT

600,000
fires occur annually in
the U.S.A.

10,000
human lives are lost and

100,000
others are seriously in-
jured and

\$400,000,000
in property values plus
the indirect losses cre-
ating a total waste in ex-
cess of One Billion dol-
lars are annually de-
stroyed by Fire.

70%
of the fires—and life
losses occur in dwell-
ings.

43%
of the commercial estab-
lishments destroyed do
not rebuild, and the
community loses pres-
tige, business, payrolls,
taxes and wealth.

50
times its original size is
the spread of fire within
8 minutes after incep-
tion.

The Box Is Your Best Protection

FIRE DEPARTMENT

**INSTRUCTION
CARDS**

**PROMINENTLY
DISPLAYED**

in every building will inspire "fire consciousness" and proper action when fire occurs. Fire signaling facilities were never more urgently needed, but scarcity of materials necessitates greater dependence upon existing boxes. Their prompt use for fire will conserve national resources.

THE GAMEWELL COMPANY

NEWTON UPPER FALLS, MASSACHUSETTS