

# GENERAL SESSIONS

## 41st National Safety Congress

(Index to Transactions of all Sections)

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NATIONAL SAFETY COUNCIL • 425 North Michigan Avenue • Chicago 11, Ill.

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## New Approaches . . .

If safety is to keep pace with today's rapidly advancing technology, we must continually have "new approaches."

Each year, at the National Safety Congress, the ideas and experiences of many of the nation's top safety men are presented in the various sessions. Many of these ideas, devices and methods, first presented at a Congress session, later become generally accepted within their fields.

In order to present this information conveniently and at small cost, the Congress Transactions are published in volumes, one for each Section or Division, along with a General Sessions and Detailed Index to all volumes. The 35 volumes of the 1953 Congress Transactions are listed on the last page of this volume.

Safety directors everywhere have found the Congress Transactions a useful aid in their accident prevention programs. In industry, for example, their judicious distribution to key personnel in management and supervision has proved to be of invaluable service.

In preparing these Transactions, the proceedings of the Congress have been condensed and edited for reference purposes. Complete original manuscripts, with any charts or illustrations which were used, are available in National Safety Council files. Views expressed at the Congress or in this record are those of the Congress participants and are not necessarily those of the National Safety Council.

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EXHIBITION HALL, EXHIBITION HALL ANNEX.  
SECOND AND THIRD FLOORS—CONRAD HILTON HOTEL.

Alphabetical List of Exhibitors of Industrial and Public Safety Equipment

- Acme Protection Equipment Co., Chicago, Ill.  
Manufacturers—Industrial Gas Masks and Accessory Equipment.
- Advance Glove Mfg. Co., Detroit, Mich.  
Manufacturers—All Types of Work Gloves, Safety Gloves and Leather Safety Clothing.
- Aetna Casualty & Surety Co., Hartford, Conn.  
Accident Prevention, both on and off the job—Driver Training Device.
- Alan Wood Steel Co., Conshohocken, Pa.  
Manufacturers—AW Algrip Abrasive Rolled Steel Floor Plate.
- Albina Engine & Machine Works, Portland, Ore.  
Manufacturers—Swing Stage and Single Mechanical Stirrups.
- American Abrasive Metals Co., Irvington, N. J.  
Manufacturers and Distributors—Abrasive Metals, Paints, Coatings for Safe Walkway Surfaces.
- American Chain & Cable Co., Inc., Bridgeport, Conn.  
Manufacturers—Chains, Cable and Wire Rope of Various Kinds and Sizes; Steel and Malleable Castings; Brakes and Brake Controls; Cranes; Hoists; Valves and Fittings.
- American-LaFrance-Foamite Corp., Elmira, N. Y.  
Manufacturers—Fire Apparatus and Fire Fighting Equipment.
- American Optical Co., Southbridge, Mass.  
Manufacturers—Head, Eye and Respiratory Protective Devices; Safety Clothing and Safety Specialty Products.
- Ampco Metal, Inc., Milwaukee, Wis.  
Manufacturers—Safety Tools Fabricated from Ampco Metal, Ampco Beryllium-Copper and Monel.
- Ansul Chemical Co. Fire Equipment Divn., Marinette, Wis.  
Manufacturers and Distributors—Ansul Fire Extinguishing Equipment.
- Arcadia Mfg. Co., Birmingham, Mich.  
Manufacturers—Plastic Coated Gloves and Aprons for Industry.
- Arnar-Stone Laboratories, Inc., Evanston, Ill.  
Manufacturers—Burn Ointment and Skin Protective Products.
- Audivox, Inc., Boston, Mass.  
Manufacturers—Hearing Aids.
- Bashlin, W. M. Co., Grove City, Pa.  
Manufacturers—Livemen's Safety Equipment.
- Bausch & Lomb Optical Co., Rochester, N. Y.  
Manufacturers—Safety Glasses and Safety Eyewear for Every Occupational Requirement.
- Best, Alfred M., Co., Inc., New York, N. Y.  
Publishers—Safety Maintenance and Production; Best's Safety and Maintenance Directory.
- Better Light Better Sight Bureau, New York, N. Y.  
Demonstrating Importance of Proper Lighting to Industrial Accident Prevention.
- Bil-Jax, Inc., Archbold, Ohio  
Manufacturers—Tubular Steel Scaffolding and Equipment. Portable Steel Bleachers.
- Bomgardner Mfg. Co., Cleveland, Ohio  
Manufacturers—Ambulance and First Aid Equipment.
- Brady, W. H., Co., Milwaukee, Wis.  
Manufacturers—Self-Sticking Safety Signs Pipe Markers and Special Markers and Signs.

Breck, John H., Inc., Springfield, Mass.  
Manufacturers—Chemists—Industrial Hand Cleaner; Hair and Scalp Preparations.

Bristol-Myers Products Divn., New York, N. Y.  
Manufacturers of Pharmaceuticals.

Brown, Stewart R., Mfg. Co., New York, N. Y.  
Manufacturers—Electrical Safety Equipment, Flashlights, Explosive-Proof and Vapor-Proof Extension Lights.

Brulin & Co., Inc., Indianapolis, Ind.  
Manufacturers—Floor Treatments, Cleaners, Disinfectants, Insecticides.

Buhrke, R. H., Co., Chicago, Ill.  
Manufacturers—Safety Equipment for Construction and Maintenance.

Bullard, E. D., Co., San Francisco, Calif.  
Manufacturers—Hard Boiled Caps and Hats, First Aid Kits, Belts, Hoods, Gas Masks, Air Purifiers, Bullard-Burnham Safety Hooks.

Bustin Firm-Grip Grating Corp., Dover, N. J.  
Manufacturers—"All-Way" Non-Skid Grating Bars and Products.

Cambridge Rubber Co., Taneytown, Md.  
Manufacturers—Vul-Cork and Vul-Cork Neoprene Soles and Heels.

Campro Sales Co., Canton, Ohio  
Manufacturers—Saf-T-Line Markers.

Canfield Oil Co., Cleveland, Ohio  
Manufacturers—Oil Absorbents.

Chance, A. B., Co., Centralia, Mo.  
Manufacturers—Hot Line Maintenance Tools and Line Construction Tools.

Charleston Rubber Co., Stark Industrial Park, Charleston, S. C.  
Manufacturers—Lineman and Industrial Gloves, Sleeves, Aprons, Safety Devices.

Chemical Specialties, Inc., Springfield, Mass.  
Manufacturers—Protective Hand Creams and Cleansers.

Chicago Eye Shield Co., Chicago, Ill.  
Manufacturers—Head and Eye Protective Equipment.

Coca-Cola Co., New York, N. Y.  
Manufacturers—Coca-Cola.

Columbus Glove Mfg. Co., Columbus, Ohio  
Manufacturers—Coated Gloves and Aprons.

Columbus McKimmon Chain Corp., Tonawanda, N. Y.  
Manufacturers—Alloy Steel Sling Chains.

C-O-Two Fire Equipment Co., Newark, N. J.  
Manufacturers—Carbon Dioxide and Dry Chemical Extinguishers and Systems. Smoke Detectors.

Cunningham, M. E., Co., Pittsburgh, Pa.  
Manufacturers—Safety Marking Tools.

Davis Emergency Equipment Co., Inc., Newark, N. J.  
Manufacturers—Respiratory Protection, Combustible Gas Indicators, General Safety and First Aid Equipment.

Detex Watchclock Corp., New York, N. Y.  
Manufacturers—Watchmen's Clocks.

Diamond Match Co., Springfield, Mass.  
Manufacturers—Book Matches for Safety, Advertising and Sales Promotion Campaigns.

Diversey Corp., Chicago, Ill.  
Manufacturers—Sanitation and Maintenance Chemicals.

Dockson Corp., Detroit, Mich.  
Manufacturers—Goggles, Spectacles, Face Shields, Helmets. Distributors—Eyesaver. Respirators, Plastic Aprons.

Down Corning Corp., Midland, Mich.  
Manufacturers—Sight Savers and Sight Saver Cleaning Stations.

Dunn Products, Chicago, Ill.  
Manufacturers and Distributors—Protective Clothing for Industrial Workers Made from Asbestos, Leather, Rubber, Neoprene and Fire-Proofed Duck.

Eagle-Picher Sales Co., Cincinnati, Ohio  
Producers—Eagle-Picher Industrial Floor-Dry No. 85. A heavy duty and anti-skid light reflecting absorbent for plant safety and maintenance.

E & J Mfg. Co., Burbank, Calif.  
Manufacturers and Distributors—Automatic Oxygen Resuscitation and Inhalation Equipment.

Eastern Metals of Elmira, Inc., Elmira Heights, N. Y.  
Manufacturers—Safety Signs and Devices.

Edmont Mfg. Co., Coshocton, Ohio  
Manufacturers—Coated Fabric Work Gloves.

Elliott Service Co., Mt. Vernon, N. Y.  
Publishers—Accident Prevention Displays; Safety Conference Programs; Supervisor's Weekly Bulletin; Bulletin Board Service.

Embosgraf Corp. of America, New York, N. Y.  
Manufacturers—Sign-Making Equipment, Safety Poster Displays, Directory Signs, Visual Aids.

Emerson, J. H., Co., Cambridge, Mass.  
Manufacturers—Resuscitation Equipment.

Fairfield Glove Co., Fairfield, Iowa  
Manufacturers—Industrial Gloves and Mittens.

Fendall Co., Chicago, Ill.  
Manufacturers—Head and Eye Protection Equipment.

Finnell System, Inc., Elkhart, Ind.  
Manufacturers—Electric Scrubbing and Polishing Machines and Industrial Cleaning Agents.

Fireye Corporation, Boston, Mass.  
Manufacturers—Electronic Flame Detection Equipment.

Franklin Research Co., Philadelphia, Pa.  
Manufacturers—Anti-Slip Floor Maintenance Materials.

Frommelt Industries, Dubuque, Iowa  
Manufacturers—Portable Welding Shield and Protective Heat Cloth.

Garnewell Co., Upper Newton Falls, Mass.  
Manufacturers—Complete Industrial Fire Alarm and Watchmen's Reporting Systems.

General Detroit Corp., Detroit, Mich.  
Manufacturers—General Quick Aid Fire Extinguishers and Allied Items.

Globe Company, Chicago, Ill.  
Manufacturers—Grip-Strut Grating.

Gro-Cord Rubber Co., Lima, Ohio.  
Manufacturers—Gro-Cord, Raw-Cord and Neo-Cord Soles, Heels and Taps.

Haggard Stretcher Co., Medford, Ore.  
Manufacturers—First Aid Stretcher.

Haws Drinking Faucet Co., Berkeley, Calif.  
Manufacturers—Haws Emergency Eye-Wash Fountains and Showers.

Hewson, John Co., New York, N. Y.  
Manufacturers—Talk High Speed Static Control Systems; High Voltage D. C. Insulation Testers and Staticators.

Hild Floor Machine Co., Chicago, Ill.  
Manufacturers—Portable Vacuum Machines and Floor Scrubbing and Polishing Machines, for Plant and Office Cleaning and Maintenance.

Hillyard Chemical Co., St. Joseph, Mo.  
Manufacturers—Safe, Economical Floor Treatments, Building Maintenance, Sanitation Products, Equipment and Materials.

Holland-Racine Shoes, Inc., Holland, Mich.  
Manufacturers—McCoy Safety Toe Shoes.

Huntington Laboratories, Inc., Huntington, Ind.  
Manufacturers—Sanitation and Cleaning Products; Floor Machines; Special Product Development.

Hygiene Research, Inc., New York, N. Y.  
Manufacturers—Protective Creams for the Skin and Mistproofing Cloth for Goggles and Windshields.

Hy-Test Divn., International Shoe Co., St. Louis, Mo.  
Manufacturers—Hy-Test Anchor Flange Steel Toe Safety Shoes.

Industrial Gloves Co., Danville, Ill.  
Manufacturers—Steel-Grip Industrial Safety Apparel Hand—Arm—Leg—Body Protection.

Industrial Products Co., Philadelphia, Pa.  
Manufacturers—IPCO Safety Equipment for All Industries.

Institute of Industrial Launderers, Washington, D. C.  
A Complete Coverall and Wiping Cloth Service for Industrial Plants.

Insto-Gas Corp., Detroit, Mich.  
Manufacturers—Underwriters and Factory Mutuals Approved Torches and Furnaces.

Interstate Rubber Products Corp., Los Angeles, Calif.  
Manufacturers—Safety Trafficone System.

Iron Age Safety Shoes, H. Childs & Co., Inc., Pittsburgh, Pa.  
Manufacturers—Complete Line Men's and Women's Leather and Rubber Industrial Safety Footwear.

Jones, C. Walker, Co., Philadelphia, Pa.  
Manufacturers—Jomac Industrial Gloves and Knitted Specialties.

Jones & Co., Rumford, R. I.  
Manufacturers—Full Vision Safety Visor Goggles.

Junkin Safety Appliance Co., Inc., Louisville, Ky.  
Manufacturers—Junkin Interlocking Barrier Gate Guard; Swinging Die Closure; Electro-Lock Shield; Splint Type Stretcher, Stretcher Cabinets.

Justrite Mfg. Co., Chicago, Ill.  
Manufacturers—Safety Cans; Oil Waste Cans; Safety Electric Lanterns; Flashlights and Fire Extinguishers.

Karel First Aid Supply Co., Chicago, Ill.  
Distributors—Industrial Hospital Supplies and Equipment; Drugs, Dressings, Furniture, Instruments.

Kelley-Mahorney Co., Louisville, Ky.  
Manufacturers—Convoy Skid-Proof Enamel.

Keystone View Co., Meadville, Pa.  
Manufacturers—Original Binocular Visual Screening Tests for Industry.

Kidde, Walter, & Co., Inc., Belleville, N. J.  
Manufacturers—Fire Protection and Extinguishing Equipment.

Kimball Safety Products Co., Cleveland, Ohio.  
Manufacturers—A Complete Line of Personal Protection Equipment.

Klein, Mathias, & Sons, Chicago, Ill.  
Manufacturers—Linemen's Tools and Equipment.

Knapp Brothers Shoe Mfg. Corp., Brockton, Mass.  
Manufacturers—Knapp Saf-Test Shoes.

Kunz, J., Glove Co., Chicago, Ill.  
Manufacturers—Linemen's, Bridgemen's and Welder's Quality Gloves.

Legge, Walter G. Co., Inc., New York, N. Y.  
Manufacturers—Safety Floor Preparations; Conductive Floor Coating; Static Grounding Devices for Personnel.

Lehigh Safety Shoe Co., Allentown, Pa.  
Manufacturers—Leather Safety Box Toe Shoes and Rubber Boots.

Lightfoot Schultz Co., New York, N. Y.  
Manufacturers—Powdered, Liquid and Bar Soap Skin Cleansers and Dispensers.

Littell, F. J., Machine Co., Chicago, Ill.  
Manufacturers—Punch Press Safety Equipment.

Logan Emergency Showers, Inc., Glendale, Calif.  
Manufacturers—Functionally Designed Equipment for Shower Bathing.

Louisville Ladder Co., Louisville, Ky.  
Manufacturers—Aluminum Ladders, Scaffold Products and Related Equipment.

Lowery Brothers, Chicago, Ill.  
Wire Rope Splicing Service.

Luther Mfg. Co., Inc., Olean, N. Y.  
Manufacturers—Power Press Guards.

MacWhyte Company, Kenosha, Wis.  
Manufacturers—Wire Rope Slings, Wire Rope and Wire Rope Assemblies.

Maico Co., Inc., Minneapolis, Minn.  
Manufacturers—Audiometers, Auditory Training Equipment, Stethetrans and Hearing Aids.

Marsh & McLennan, Inc., Chicago, Ill.  
Insurance Brokers and Agencies.

Marindale Electric Co., Cleveland, Ohio.  
Manufacturers—Martindale Protective Dust Mask and Electrical Testing Instruments.

Masury-Young Co., Boston, Mass.  
Manufacturers—Floor Maintenance Materials.

McAn, Thom, Safety Shoe Divn., Melville Shoe Corp., New York, N. Y.  
Manufacturers and Distributors—Thom McAn Safety Shoes.

McDermott, Julian A., Corp., Corona, L. I., N. Y.  
Manufacturers—Warning and Safety Lights for Municipal, Industrial, Utility and Aviation Use.

McDonald, B. F., Co., Los Angeles, Calif.  
Manufacturers and Distributors—Industrial Safety Appliances and Clothing.

Medical Supply Co., Rockford, Ill.  
Manufacturers—Flexible Unit First Aid, Snake Bite First Aid, Burn First Aid.

Melfex Products Co., Inc., Akron, Ohio.  
Manufacturers—Flooring Materials, Treads and Standing Mats.

Metal Arts Co., Inc., Rochester, N. Y.  
Manufacturers—Safety Award Lapel Emblems, Rings, Badges, Trophies, Plaques.

Metropolitan Life Insurance Co., New York, N. Y.  
Educational Publications and Materials Dealing with Safety.

Micro Switch, Divn. Minneapolis Honeywell Co., Freeport, Ill.  
Manufacturers—MICRO Trip-Electric Clutch Control for Power Machines.

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Manufacturers—Ply Protective Creams, Ply Garb Plastic Clothing, Ply Gloves, Plastic Work Gloves.

Miller Equipment Co., Inc., Franklin, Pa.  
Manufacturers—Linemen's and Industrial Safety Belts.

Mine Safety Appliances Co., Pittsburgh, Pa.  
Manufacturers—Safety Equipment for Every Industry.

National Bureau of Standards, Washington, D. C.

National Safety Council, Chicago, Ill.

National Society for the Prevention of Blindness, Inc., New York, N. Y.  
Educational Material on Conservation and Utilization of Eyesight in Industry.

Newman Mfg. & Sales Co., Kansas City, Mo.  
Manufacturers—Newco Combination Wire Rope Clamp and Thimble.

Occupational Hazards, Inc., Cleveland, Ohio.  
Representatives: Irving B. Hexter, Edwin M. Joseph, Harry E. Barwasser.  
Publishers.

Oil-Dri Corp. of America, Chicago, Ill.  
Manufacturers—Oil-Dri Absorbents and Non-Slip Paint.

Onox, Inc., San Francisco, Calif.  
Distributors—Onox Skin-Toughener for Athlete's Foot.

Orthopedic Equipment Co., Bourbon, Ind.  
Manufacturers—Litters, Emergency Splints, First Aid Kits, Corn Tourniquets, Fracture Equipment.

Osborn Mfg. Corp., Warsaw, Ind.  
Manufacturers—Safety Pliers and Tongs for Feeding Punch Presses.

Pac-Kit Company, Greenwich, Conn.  
Manufacturers—First Aid Equipment.

Packwood, G. H., Mfg. Co., St. Louis, Mo.  
Manufacturers—"Pax" Safety Industrial Skin Cleansers and Dispensers.

Parker Sweeper Co., Springfield, Ohio.  
Manufacturers—Industrial Floor Sweepers.

Patent Scaffolding Co., Inc., Chicago, Ill.  
Manufacturers—Gold Medal Wood and Magnesium Safety Ladders, Suspended Sectional Tubular Steel and Aluminum Scaffolding, Sidewalk Protection Canopies, Steel Grandstands.

Pennsylvania Optical Co., Reading, Pa.  
Manufacturers—Head and Eye Protective Equipment.

Permamix Corp., Chicago, Ill.  
Distributors—Industrial Floor Patching Material (PERMAMIX).

Porto-Clinic Instruments, Inc., New York, N. Y.  
Manufacturers—Distributors—Driver Testing and Training Equipment, Glare Recovery and Night Vision Equipment, Magnetic Traffic Boards, Stopping Distance Meters, Car-doon Systems, Auto Drive Visual Set, and other Driver Safety Aids.

Positive Safety Mfg. Co., Cleveland, Ohio.  
Manufacturers—Power Press Guards.

Powder Actuated Tool, Manufacturers' Institute, New York, N. Y.  
Association of Manufacturers.

Prairie State Products Co., Chicago, Ill.  
Manufacturers—Metal Safety Signs, Electrical Exit and Directional Signs.

Protectoseal Co., Chicago, Ill.  
Manufacturers—Fire Prevention Equipment for Flammable Solvents.

Pulmosan Safety Equipment Corp., Brooklyn, N. Y.  
Manufacturers—Industrial Safety Equipment.

Pyrene Mfg. Co., Newark, N. Y.  
Manufacturers—Diversified Approved Fire Extinguishers, Recharges, Air Foam, Play-pipes, Systems.

Racine Glove Co., Inc., Rio, Wis.  
Manufacturers—Gloves, Apparel, Protective Equipment, Leather, Asbestos and Steel Reinforced.

Randolph Laboratories, Inc., Chicago, Ill.  
Manufacturers—Dioxide Fire Extinguishers.

Reece Wooden Sole Shoe Co., Columbus, Nebr.  
Manufacturers—Reece "Perfect Rocker" Wooden Sole Safety Footwear.

Riegel Textile Corp., New York, N. Y.  
Manufacturers—Work Gloves and Mittens.

Rockwood Sprinkler Co., Worcester, Mass.  
Manufacturers—Automatic Fire Protection Systems; Sprinklers, WaterFog, FogFoam and Foam.

Rose Mfg. Co., Denver, Colo.  
Manufacturers—Safe-Hi Line of Safety Equipment.

Safety Box Toe Co., Boston, Mass.  
Manufacturers—Safety Steel Box Toes.

Safety Clothing & Equipment Co., Cleveland, Ohio  
Manufacturers—Safety Clothing and Equipment for Every Type Industrial Worker.

Safety First Products Corp., Elmsford, N. Y.  
Manufacturers and Distributors—Dry Chemical Fire Equipment.

Safety First Shoe Co., Holliston, Mass.  
Manufacturers—Safety Steel Toe Shoes for Men.

Safety Tower Ladder Co., Burbank, Calif.  
Distributors—Tower Ladder Safety Device and Safety Lifeline Lock.

Safway Steel Products, Inc., Milwaukee, Wis.  
Manufacturers—Steel Scaffolds and Overhead Maintenance Equipment.

Salisbury, W. H., & Co., Chicago, Ill.  
Manufacturers—Linemen's Rubber Protective Equipment.

Sani-Mist, Inc., Philadelphia, Pa.  
Manufacturers—Athlete's Foot Preventive.

Schrader's, A. Son, Brooklyn, N. Y.  
Manufacturers—Pneumatic Press Controls, Valves, Cylinders and Associated Products.

Scientific Industrial Supply Co., Chicago, Ill.  
Manufacturers—Gloves, Clothing and General Safety Equipment.

Scott Aviation Corp., Lancaster, N. Y.  
Manufacturers—Scott Air-Pak, Demand Inhalator, Demand Respirator.

Sellstrom Mfg. Co., Chicago, Ill.  
Manufacturers—Face and Eye Protection Equipment.

Sentry Shoe Co., Nashville, Tenn.  
Manufacturers—Safety Toe Shoes.

Sonotone Corp., Elmsford, N. Y.  
Manufacturers—Hearing Aids and Hearing Test Equipment (Audiometers).

Standard Safety Equipment Co., Chicago, Ill.  
Manufacturers and Distributors—Industrial Safety Equipment.

Steel Scaffolding Co., Inc., Brooklyn, N. Y.  
Manufacturers—"Trouble Saver" Steel Scaffolding.

Stapan Chemical Co., Chicago, Ill.  
Manufacturers and Distributors—Dermatologically Correct Industrial Skin Cleansers.

Stephenson Corp., Red Bank, N. J.  
Manufacturers—Resuscitation Equipment and Chemical Tests for the Determination of Intoxication.

Stonehouse Signs, Inc., Denver, Colo.  
Manufacturers—Steel Accident Prevention Signs.

Stop-Fire, Inc., Brooklyn, N. Y.  
Manufacturers—Fire Extinguishers.

Surety Rubber Co., Carrollton, Ohio  
Manufacturers—Rubber Gloves and Linemen's Equipment.

Surty Mfg. Co., Inc., Chicago, Ill.  
Manufacturers and Distributors—Safety Guards and Materials.

- Taylor, S. G., Chain Co., Hammond, Ind.  
Manufacturers—Taylor Made Alloy Steel Sling Chains and Tayco Safety Hooks.
- Tennant, G. H., Co., Minneapolis, Minn.  
Manufacturers—Heavy Duty Industrial Floor Machines, Power Sweepers, and Supplies.
- Timming Splint Co., Omaha, Nebr.  
Manufacturers—Emergency All-Purpose Splints.
- Treesdale Laboratories and Textile Processing Co., Inc., Pittsburgh, Pa.  
Manufacturers—Safety Clothing, Chemical Flameproofing, Mildew Proofing and Water Proofing Compounds.
- Trinal, Inc., Chicago, Ill.  
Manufacturers—"Safeet" Protection for the Metatarsal Arch.
- U-C-Lite Mfg. Co., Chicago, Ill.  
Manufacturers—Portable Electric Hand Lamps and Emergency Lights.
- Union Wire Rope Corp., Kansas City, Mo.  
Manufacturers—Wire Rope, "Tuffy" Slings and "Tuffy" Towlines.
- U. S. Industrial Glove Corp., Detroit, Mich.  
Reconditioning Work Gloves.
- United States Safety Service Co., Kansas City, Mo.  
Manufacturers—Industrial Goggles, Protective Hats, Faceshields, Welding Helmets, Impregnated Safety Tablets and Allied Safety Equipment.
- Vestal, Inc., St. Louis, Mo.  
Manufacturers—Slip Resistant Floor Wax, Liquid Skin Degerming Soap, Floor Cleaners, Disinfectants, Floor Machines.
- Wagner Sign Service, Inc., Chicago, Ill.  
Manufacturers—Signs—Changeable Copy; Enduronamel Panels; Translucent Plastic Letters.
- Wash-Rite Co., Inc., Indianapolis, Ind.  
Manufacturers—Processors Gloves, Aprons, and Protective Clothing. Distributors—Gloves, Aprons.
- Watchmoke Optical Co., Inc., Providence, R. I.  
Manufacturers—"Eye-Savers" Plastic Eye Protection and Plasi-Glow Safety Signs.
- Waverly Petroleum Products Co., Philadelphia, Pa.  
Manufacturers—Oil and Grease Absorbents.
- Welsh Mfg. Co., Providence, R. I.  
Manufacturers—Safety Goggles, Lens, Faceshields and Helmets.
- West Disinfecting Co., Long Island City, N. Y.  
Manufacturers—Products for the Promotion of Industrial Health and Sanitation.
- Wheeler Protective Apparel, Inc., Chicago, Ill.  
Manufacturers—Industrial Safety Clothing for Heat and Abrasive Hazards.
- Wilkins Co., Inc., Cortland, N. Y.  
Manufacturers—K-Lens-M Products; Goggle Stations, Lens Cleaner, Anti-Fogging Liquid, Lens Tissue.
- Williams Jewelry & Mfg. Co., Chicago, Ill.  
Manufacturers—Safety Awards, Badges and Trophies.
- Wilson Products, Inc., Reading, Pa.  
Manufacturers—Industrial Goggles, Gas Masks, Helmets and Respirators, and Allied Safety Devices.
- Winko-Matic Signal Co., Lorain, Ohio.  
Manufacturers—Activating Signals for Traffic Warning Signs; Illuminated Directional Control Signs. Distributors—Highway Warning Signs; Traffic Marking Paint.
- Wolverine Shoe & Tanning Corp., Rockford, Mich.  
Manufacturers—Industrial Safety Shoes.
- Wyandotte Chemicals Corp., Wyandotte, Mich.  
Manufacturers—All-Purpose Floor Absorbent and Industrial Cleaning Compounds.

## Current Safety Topics in the

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