

PLAINTIFF'S
EXHIBIT

NSC-382

1932 INDEX

Volume 1

A

Accident Prevention Equipment Manufacturers' Section: Minutes, 107-110.
Nominating Committee Report, 108.
Officers, 108.
Accident-Prone Employee: See Personal Factors.
Accident Statistics: Length of Service of Injured, 220.
Lessons Learned from Near Accidents (Brydges), 310-311.
Recording and Using Accident Data (Elstun), 360-362.
Unusual Accidents in Car Building (Brand), 272-273.
Unusual Accidents in the Machine Shop Group (Salisbury), 274-275.
Unusual Accidents in the Metals Industry and Lessons to be Learned from Them (Griffith), 273-274.
Accidents—Costs: Accident Costs—A Round Table Discussion (Stearns), 403-404.
The High Cost of Injuries (Magruder), 260-261.
Accidents—Report Forms: Accident Statistics and Costs (Carr), 214-215.
Acids: Safety in Chemical Pumps and Pumping Machinery (Lawrence), 172-173.
See also Chemical Industry.
Adams, G. J.: Report of Committee on Hazards of Inrunning Nips on Paper Machines, 315-322.
Adams, L.: Power Apparatus in Maintenance of Way Work, 428.
Adams, W. W.: Recent Progress of Safety in the Quarry Industries, 382-383.
Advanced Safety Engineering Session, 23-32.
Aeronautical Section: Minutes, 111-118.
Aeronautics: Maintaining Efficient Pilots Through Physical Fitness (Padden), 117-118.
Maintenance A Vital Factor in Safe Operation of Air Transports (Lockwood), 116-117.
Safety Factors in Air Transport and the Adaptation of "Blind Flight" Training to Schedule Airline Operation (Priester), 111-116.
Aishton, R. H.: Address, 411-412.
Alden, E. R.: Psychology and Accidents—Mental Ease During Depressions, 332-333.
A. R. A., Safety Section: See Steam Railroad Section.
A. S. S. E.—Engineering Section: General Chairmen's Report, 128.
Minutes, 119-130.
Nominating Committee Report, 130.
Officers, 130.
Report on Investigation of Accidents With Portable Hand Torches and Plumbers' Furnaces, 128.
Anderson, M.: Accident Prevention for Women Workers, 37-38.
Annual Meeting of Members, 9-19.
Authenrieth, A. J.: Elimination of Hazards in the Engine Room, 391-393.
Automobile Driving: Accident Experience in the Delivery, Taxicab and Bus Section During 1931 (Lundsteadt), 192.
Delivering Food Products Safely by Automobile Trucks (Frost), 231.
Maintenance of the Motor Vehicle and Its Importance in Fleet Safety (Shaw), 199-200.
Methods of Safe Driving (Couchman), 151-152.
The Portland Cement Association's Safe Drivers League (Hamilton), 150.

Preventing Accidents to Public Utility Employees on the Streets and Highways (Prezzano), 362-363.
Safety Among Drivers in Scattered Fleets (Wells), 198-199.
State Regulation of Commercial Vehicles and Their Operators (Hoffman), 196-197.
Successful Fleet Safety Work Without Special Personnel (Ruth), 193-195.
Automobiles: Maintenance of the Motor Vehicle and Its Importance in Fleet Safety (Shaw), 199-200.
Automotive and Machine Shop Section: Joint Session with Power Press Section, 354-356.
Minutes, 131-140.
Nominating Committee Report, 135.
Officers, 135.

B

Back Injuries (Roberts), 71-74.
Banash, J. I.: President's Address, 21-22.
Banquet: 21-22.
Barlow, A.: Textile Safety Kinks and Safe Practices, 446.
Bender, H. D.: Ladder Safety Code, 122-124.
Bennett, F. G.: Health Work in the Small Plant, 49-50.
Unusual Accidents in the Foundry Industry, 271-272.
Bergquist, C. W.: Presentation of Awards in the National Traffic Safety Contest, 193.
President's Address, 9-12.
Bland, J. V.: Maintenance of Power Press Equipment for Safe Operation, 350-351.
Bloomfield, J. J.: Dust Content of the Atmosphere in Various Dusty Industries, 53-57.
Bloomsburg, R. A.: The Three Most Common Causes of Accidents in the Public Utility Industry, 363-364.
Boetsma, G. S.: Effects of Competition on Morale of Employees, 336-337.
Boileau, O. C.: Kick-Backs and How to Prevent Them, 448-449.
Boilers: Rules for the Construction of High Pressure Marine Boilers (Hoover), 246-249.
Bonus Systems: See also Rewards.
Boraks, L.: Reducing Power Press and Machine Shop Hazards Through Engineering Revision, 354-355.
Borland, W. P.: The Accident Investigation Work of the Bureau of Safety, I. C. C., 422-423.
Bradford, F. R.: Planning for Safety in Track Construction, 428-430.
Brand, P. J.: Unusual Accidents in Car Building, 272-273.
Breckland, A. W.: The Fire and Explosion Hazards in the Pipe Line and Natural Gasoline Industry, 340-342.
Bridges, M. W.: Discussion of paper by J. W. Giltner, 211.
Bridges: The Bridge and Building Gang (Wood), 430-432.
Bright, G. B.: Ice Scoring Machine Hazards, 389-390.
Brucklacher, F. G.: Keeping in Step with Progress in Safety, 335-336.
Brydges, W. H.: Lessons Learned from Near Accidents, 310-311.
Buffe, F. G.: An Operating Executive's Views on Safety and Accident Prevention, 202-204.
Bulletin Boards: Common Sense in Bulletin Board Publicity for Safety (Solensten), 252-253.

- Bush, A. R.: Is Maritime Safety Profitable? 234-235.
 Butterworth, A. B.: Cleaning and Gas-Freeing Cargo Oil Tanks, 240-241.
 Buxton, R. K.: Accident Prevention in the Metal Trades at the Crossroads, 270-271.

C

- Calenders: In Report of Committee on Hazards of Lurking Nips on Paper Machines (Adams), 318-319, 321.
 Callahan, J. J.: What the Manufacturer of Machinery Can Do to Promote Safety in the Tanning Industry, 254-255.
 Car Building: Unusual Accidents in Car Building (Brand), 272-273.
 Carbon Tetrachloride: Is Carbon Tetrachloride a Health Hazard as Used in the Rubber Industry? (Shirley), 398-402.
 Carr, C. L.: Accident Statistics and Costs, 214-215.
 Carrow, T. H.: Safety Today, 410-411.
 Cement Industry: Analysis of Accidents in the Cement Industry (Curtis), 143-144.
 Good-Will Dividends from Safety Work (Mehren), 15-19.
 In the Wake of the News (Dempster), 145-146.
 Methods of Safe Driving (Couchman), 151-152.
 The Portland Cement Association's Safe Drivers League (Hamilton), 150.
 Safeguarding Our Eyes (Zook), 153-155.
 Safety from the Executive Viewpoint (Poselt), 145.
 Cement Section: General Chairman's Report, 141-142.
 Joint Session with Quarry Section, 152-156.
 Minutes, 141-156.
 Nominating Committee Report, 142-143.
 Officers, 142-143.
 Poster Committee Report, 144.
 Chemical Industry: Accidents and Their Causes in the Chemical Industry (Ralston), 176.
 Activities of the Chemical Industry in Preventing Poisoning from the Viewpoint of the Federal Government (Yant), 166-169.
 Preventing Poisoning—From the Viewpoint of the Chemical Manufacturer (Dennis), 169-170.
 Report of Statistics Committee and Injury Experience in the Chemical Industry during 1931 (Kepner), 158.
 Safe Handling of Chemicals (Watson), 159-160.
 Safety in Chemical Pumps and Pumping Machinery (Lawrence), 172-173.
 Some Causes and Effects of Stream Pollution (Hoskins), 174-175.
 Storage and Handling of Compressed Gases and Volatile Liquids (Fetherston), 160-163.
 The Use of Stainless Steels in the Chemical Industry (Luger and Wright), 173-174. See also Acids.
 Chemical Section: Joint Session with Industrial Health Section, 166-172.
 Minutes, 157-176.
 Statistics Committee Report, 158.
 Claims: For the Defense (Hamilton), 207-208.
 The Relationship Between the Claim Department and the Safety Department (Giltner), 208-211.
 See also Insurance.
 Clark, M. A.: The Value of Community Safety as Applied to Industry, 138-140.
 Clarke, Dr. W.: Syphilis and Gonococcal Infections in Small Industries, 47-48.
 Codes: See Standards.
 Cole, W. G.: Why Do Some Employees Have More Accidents Than Others? 36-37.
 Commercial Vehicles: See Automobile Driving.
 Community Safety: See Public Safety.
 Compressed Gases: Storage and Handling of Compressed Gases and Volatile Liquids (Fetherston), 160-163.
 Conference Plan of Education: See Education of Workmen.
 Construction Industry: Accident Experience in the Construction Industry during 1931 (Forester), 178.
 Accident Reports and How the Insurance Companies Use Them (Dearborn), 189-190.
 American Standards of Safety in the Construction Industry (Smith), 120-122.
 The Bridge and Building Gang (Wood), 430-432.
 Building America's Roads Safely (Walton), 187-189.
 Do Awards to Foremen Stimulate Good Accident Prevention Records? (Piper), 186-187.
 The Extra Gang Problem (Parish), 432-434.
 How to Make the Construction Job Safe (Goldstine), 181-183.
 The Navy and Safety on Its Construction Work (Hall), 183-186.
 Safety Platform for the Construction Industry, 179.
 Construction Section: General Chairman's Report, 177-178.
 Minutes, 177-190.
 Nominating Committee Report, 181.
 Officers, 181.
 Contests: Awards of Rubber Section Trophies, 403.
 Data on the 1931-32 Paper and Pulp Section Contest, 323.
 Effects of Competition on Morale of Employees (Boetsma), 336-337.
 Marine Section Contest Committee Report, 239.
 Marine Section Contest Winners, 250.
 Plan for Inter-Departmental Safety Contest, 311.
 Presentation of Awards in the National Traffic Safety Contest (Bergquist), 193.
 Presentation of Awards to Metals Section Winners, 275-276.
 Public Utilities Section Contest Winners, 207.
 Winner of the National Crushed Stone Association Contest (Miller), 384-385.
 Contusions: Strains, Sprains and Contusions (Kessler), 74-76.
 Cooperation: Cooperation (Schaefer), 404.
 The Cooperative Objectives of the National Safety Council and the Railroad Industry (Young), 407-410.
 Securing the Cooperation of the Worker in Accident Prevention (Kuechenmeister), 351-353.
 Corrosion: The Use of Stainless Steels in the Chemical Industry (Luger and Wright), 173-174.
 Couchman, A. R.: Methods of Safe Driving, 151-152.
 Cranes: Methods of Detecting Defects in Crane Wheels, 276.
 Curtis, A. J. R.: Analysis of Accidents in the Cement Industry, 143-144.
 Cylinders—Compressed Gases: Storage and Handling of Compressed Gases and Volatile Liquids (Fetherston), 160-163.

D

- Davis, G. A.: Think it Over, 264-265.
 Dawley, L. W.: Safe Handling of Ice, 390-391.
 Day, O. H.: Safety Instructions by the Conference Method, 393-394.
 Dearborn, W. A.: Accident Reports and How the Insurance Companies Use Them, 189-190.
 Delivery, Taxicab and Bus Section: General Chairman's Report, 192.
 Joint Session with Food Section, 230-232.
 Minutes, 191-200.
 Nominating Committee Report, 197-198.
 Officers, 197-198.
 Statistics Committee Report, 192.
 Deming, D.: What is Public Health Nursing in Industry? 79-81.
 Dempster, J.: In the Wake of the News, 145-146.
 Dennis, F. W.: Preventing Poisoning—From the Viewpoint of the Chemical Manufacturer, 169-170.
 Denton, H. L.: The Railroad Trespass Evil, 413-414.
 Dickinson, J. A.: Research in Safety Engineering, 120.
 Dinsmore, R.: Accident Prevention in the Warner Company, 385-386.
 Discipline: Education and Discipline in the Accident Prevention Program (Voss), 353-354.
 How to Give the Worker Health, Happiness and Security (Thee), 195-196.
 Dittmer, A. J.: Accident Experience in the Meat Packing, Tanning and Leather Industries During the Year 1931, 261-262.
 Doak, Hon. W. N.: Address, 413.
 Education Will Do More Than Regulation to Promote Safety, 179-180.
 Dodge, C. H.: Automatic Signal System for Mine Haulage, 302-303.
 Drinker, P.: Methods of Protecting the Worker Against Dust Inhalation, 65-69.
 Drinking Water: Heat Effects (Engel), 70-71.
 Durfee, E. P.: Accident Facts in the Public Utility Industry, 364-365.
 Dusts: Clinical and Statistical Aspects of Silicosis (Russell), 57-61.
 Data on the Efficiency of Modern Respirator Filtering Mediums to Lead Dust and Fume (Stratton), 164-166.
 Descriptive Statements of Dust Explosion Tests at Arlington Farm Testing Station (Price), 222-224.
 Dust—An Engineering Problem (Greenburg), 29-32.
 Dust Content of the Atmosphere in Various Dusty Industries (Bloomfield), 53-57.
 Effects of Inhaled Mineral Dusts, (Gardner), 50-53.
 Methods for the Control of Dust in Industry and for the Protection of the Worker (Hatch), 61-65.
 Methods of Protecting the Worker Against Dust Inhalation (Drinker), 65-69.

E

- Economics: An Effective and Economical Safety Program for the Small Plant (Lynch), 33-36.
 The Economic and Other Values of Safety (Page), 421-422.
 Good-Will Dividends from Safety Work (Mehren), 15-19.
 In Accident Prevention in the Warner Company (Dinsmore), 386.
 In An Accident Prevention Program and Its Results (Webb), 213.

- In The High Cost of Injuries (Magruder), 261.
 In The Wake of the News (Dempster), 145-146.
 In Why Our Accident Plan is Successful (Smith), 437-439.
 Is Maritime Safety Profitable (Bush), 234-235.
 The Medical Department Presents the Case for Safety (Lecklider), 135-138.
 Successful Fleet Safety Work Without Special Personnel (Ruth), 193-195.
 See also Accidents—Costs.
 Education—Engineering: Teaching of Safety at Colleges or Universities, 340.
 Education of Workmen: The Conference Process and Some of its Features and Possibilities (Rennie), 376-378.
 Education and Discipline in the Accident Prevention Program (Voss), 353-354.
 Safety Education of New and Old Employees (Finch), 215-216.
 Safety in Foremanship by the Conference Method (Kane), 83-106.
 Safety Instructions by the Conference Method (Day), 393-394.
 Edwards, Com. B. C.: Safety from an Operator's Viewpoint, 249-250.
 Egan, E. J.: Safety in the Production and Transmission of Natural Gas, 366-368.
 Electric Railway Section: General Chairman's Report, 201-202.
 Minutes, 201-216.
 Nominating Committee Report, 205.
 Officers, 205.
 Electric Railways: Accident Statistics and Costs (Carr), 214-215.
 An Accident Prevention Program and Its Results (Pasche), 211-212.
 An Accident Prevention Program and Its Results (Webb), 212-214.
 An Operating Executive's Views on Safety and Accident Prevention (Buffs), 202-204.
 Electrical Fires—Their Cause and Prevention (Potter), 42-44.
 For the Defense (Hamilton), 207-208.
 The Relationship Between the Claim Department and the Safety Department (Giltner), 208-211.
 Electricity: Electrical Cutouts in Industrial Applications (Newton and Lincks), 124-128.
 Electrical Fires—Their Cause and Prevention (Potter), 42-44.
 Inspection and Maintenance of Electrical Wiring in Mines (Haselton), 305-308.
 A typical Electrical Accident (Godwin), 375-376.
 Typical Electrical Accidents, Their Cause and Prevention (Kuhn), 373-375.
 Elevators: Research on Oil Buffers and Undercar Safeties, 120.
 Elstun, W. P.: Recording and Using Accident Data, 360-362.
 Engle, Dr. R. C.: Heat Effects, 70-71.
 Engine Rooms: Elimination of Hazards in the Engine Room (Authenrieth), 391-393.
 Engineering Revision: Capitalizing on Our Failures (Regula), 23-26.
 Reducing Power Press and Machine Shop Hazards Through Engineering Revision (Boraks), 354-355.
 Engineers—Safety: Common Sense Accident Prevention (Gardiner), 217-219.
 The Engineer—A Factor in Civilization (Wallace), 128-130.
 Evans, C. Jr.: Factors in Providing for Efficient Supervision of Mining Operations, 304.
 Everts, G. S.: Health Work in Small Plants, 45-47.
 Exhibits: Exhibitors at the 21st Annual Safety Congress, 108-110.

Employer's Liability, see Vol 15 Page 107

- Explosions: Descriptive Statements of Dust Explosion Tests at Arlington Farm Testing Station (Price), 222-224.
 The Fire and Explosion Hazards in the Pipe Line and Natural Gasoline Industry (Breedland), 340-342.
 Eye Protection: The Industrial Nurse's Contribution to the Conservation of Eyesight (Smith), 81-82.
 Safeguarding Our Eyes (Zook), 153-155.

F

- Federal Government and Safety: Activities of the Chemical Industry in Preventing Poisoning from the Viewpoint of the Federal Government (Yant), 166-169.
 The Navy and Safety (Hobson), 244-245.
 The Navy and Safety on Its Construction Work (Hall), 183-186.
 Ferguson, Dr. C. L.: The Accident-Prone Worker, 256-257.
 Fetherston, F. R.: Storage and Handling of Compressed Gases and Volatile Liquids, 160-163.
 Finch, R. A.: Safety Education of New and Old Employees, 215-216.
 Fire Prevention: Community Fire Prevention in Kansas City (Lynch), 41-42.
 Electrical Fires—Their Cause and Prevention (Potter), 42-44.
 The Fire and Explosion Hazards in the Pipe Line and Natural Gasoline Industry (Breedland), 340-342.
 Modern Methods of Teaching Fire Prevention (Franklin), 39-41.
 Fire Prevention Session: 39-44.
 Flathers, C. H.: Prevention of Passenger Accidents and Claims on Coastwise Vessels, 237-239.
 Fleet Operation: See Automobile Driving.
 Food Industry: Delivering Food Products Safely by Automobile Trucks (Frost), 231.
 Descriptive Statements of Dust Explosion Tests at Arlington Farm Testing Station (Price), 222-224.
 Experience Exchange, Giving Brief Descriptions of Serious Accidents, 228-230.
 Refrigerating Apparatus—Its Safe Use and Proper Maintenance (Rabe), 224-226.
 The Safe Delivery of Food Products by Horse-Drawn Vehicles (Washburn), 231-232.
 Food Section: Experience Exchange, 228-230.
 Joint Session with Delivery, Taxicab and Bus Section, 230-232.
 Minutes, 217-232.
 Nominating Committee Report, 221-222.
 Officers, 221-222.
 Foremen: Do Awards to Foremen Stimulate Good Accident Prevention Records? (Piper), 186-187.
 How Can the Foreman Help the Accident-Prone Man? (Zeitner), 227-228.
 Safety in Foremanship by the Conference Method (Kane), 83-106.
 Forester, J. C.: Accident Experience in the Construction Industry during 1931, 178.
 Foundries: National and State Foundry Codes in Relation to Accident Prevention (Kearns), 267-268.
 Unusual Accidents in the Foundry Industry (Bennett), 271-272.
 See also Metal Industries.
 Foundriner Machines: Special Hazards of Foundriner Machines and Their Elimination (Williamson), 325-326.
 Franklin, T. Z.: Modern Methods of Teaching Fire Prevention, 39-41.
 Frost, G. S.: Delivering Food Products Safely by Automobile Trucks, 231.

G

- Gardiner, G. L.: Common Sense Accident Prevention, 217-219.
 Gardner, L. U.: Effects of Inhaled Mineral Dusts, 50-53.
 Gas Industry: Safety in the Distribution of Gas (Peden), 370-373.
 Safety in the Production and Transmission of Natural Gas (Egan), 366-368.
 Safety in the Production of Artificial Gas (Whitwell), 368-370.
 Gases: Solving the Asphyxiation Problem (Risinger), 343-346.
 Gasoline: The Fire and Explosion Hazards in the Pipe Line and Natural Gasoline Industry (Breedland), 340-342.
 Safe Operation of Natural Gasoline Plants (Martin), 329-330.
 Gebhart, W. H.: The Conditions of Saws and Their Relation to Safety, 449-451.
 General Round Table Session: 33-38.
 Gilson, H. G.: Lessons to Be Learned from Paper Mill Fatalities, 313-314.
 Giltner, J. W.: The Relationship Between the Claim Department and the Safety Department, 208-211.
 Gleason, W. A.: Dual Control on Guillotine Cutters, 314-315.
 Godwin, R. M.: A Typical Electrical Accident, 375-376.
 Goggles: Safeguarding Our Eyes (Zook), 153-155.
 Goldstine, E. N.: How to Make the Construction Job Safe, 181-183.
 Gonococcal Infections: See Venereal Diseases.
 Grade Crossing: Report of Committee on Prevention of Highway Crossing Accidents (Rowe), 412-413.
 Graff, W. M.: The Determination and Control of Compensation Insurance Rates, 380-382.
 Grant, E. E.: Are We Hitting the Bull's Eye? 312-313.
 Gray, Dr. A. S.: Activities of the State in the Prevention of Occupational Poisons, 170-172.
 Greenburg, L.: Dust—An Engineering Problem, 29-32.
 Greene, Dr. J. H.: The Personnel Department's Place in the Safety Program, 133-134.
 Griffith, W. J.: Unusual Accidents in the Metals Industry and Lessons to be Learned from Them, 273-274.
 Guards: Capitalizing on Our Failures (Regula), 23-26.

H

- Hall, R. D.: Up-to-Date Timbering for Mines, 286-288.
 Hall, W. E.: The Navy and Safety on Its Construction Work, 183-186.
 Halsey, M. N.: Building Safety and Facility into the Highway, 146-149.
 Hamilton, E. B.: For the Defense, 207-208.
 Hamilton, W. W.: The Portland Cement Association's Safe Drivers League, 150.
 Hands: Injuries to the Hand (Marble), 76-77.
 Hanna, J. H.: Discussion of Paper by F. G. Buffe, 204.
 Harrington, D.: Metal Mine Fires and Ventilation, 290-302.
 Safety in Limestone Mining and Quarrying, 152-153.
 Hartenstein, F.: Value of "Safe Practices" Committees, 423-424.

- Haselton, C. F.: Inspection and Maintenance of Electrical Wiring in Mines, 305-308.
- Hatch, T.: Methods for the Control of Dust in Industry and for the Protection of the Worker, 61-65.
- Health Hazards: Activities of the Chemical Industry in Preventing Poisoning from the Viewpoint of the Federal Government (Yand), 166-169.
- Activities of the State in the Prevention of Occupational Poisons (Gray), 170-172.
- Clinical and Statistical Aspects of Silicosis (Russell), 57-61.
- Data on the Efficiency of Modern Respirator Filtering Mediums to Lead Dust and Fume (Stratton), 164-166.
- Dust—An Engineering Problem (Greenburg), 29-32.
- Dust Content of the Atmosphere in Various Dusty Industries (Bloomfield), 53-57.
- Effects of Inhaled Mineral Dusts (Gardner), 50-53.
- Health Hazards in the Textile Industry (Sappington), 443-444.
- Is Carbon Tetrachloride a Health Hazard as Used in the Rubber Industry? (Shirley), 398-402.
- Methods of Protecting the Worker Against Dust Inhalation (Drinker), 65-69.
- Preventing Poisoning—From the Viewpoint of the Chemical Manufacturer (Dennis), 169-170.
- Solving the Asphyxiation Problem (Risinger), 343-346.
- See also Poisons.
- Health Supervision: Health Work in Small Plants (Everts), 45-47.
- Health Work in the Small Plant (Bennett), 49-50.
- Medical Aspects of Safety Aboard Ships (Wright), 235-237.
- Services of a Health Department to Small Industrial Plants, 49.
- Heat Effects (Engel), 70-71.
- Heiss, M. W.: Principles of Safety, 436-437.
- Helmets and Shields: Requirements for Sandblast Helmets, 67.
- Hightower, C. L.: Solving the Traffic Problem, 330-332.
- Highways: See Roads and Highways: Traffic.
- Hillenbach, H.: Accident Experience in the Refrigeration Industry during 1931, 388-389.
- Hobson, F. M.: The Navy and Safety, 244-245.
- Hoffman, H. G.: State Regulation of Commercial Vehicles and Their Operators, 196-197.
- Holmes, P. R.: Faulty Plant Illumination as a Factor in Accident Causation, 226-227.
- Hoover, D. N.: Rules for the Construction of High Pressure Marine Boilers, 246-249.
- Horse-Drawn Vehicles: The Safe Delivery of Food Products by Horse-Drawn Vehicles (Washburn), 231-232.
- Hoskins, J. K.: Some Causes and Effects of Stream Pollution, 174-175.
- Housekeeping: Relative Value in Cleaning Plant Windows, 227.
- Hubbard, A. F.: Emergency Illumination and Signalling, 242-243.
- Hunter, W. E.: Outstanding Safety Features Pertaining to Mines and Allied Industries in Arizona, 289-290.
- Hydrogen Sulphide: In Solving the Asphyxiation Problem (Risinger), 344-345.
- Hyland, Dr. R. F.: The Doctor in Industry, 205-207.
- I**
- Ice Industry: See Refrigeration Industry.
- Immel, H. D.: The Economic Necessity for Community Safety Work and its Relation to the Quarrying Industries, 383-384.
- Industrial Health: Industrial Health and Its Relation to Industrial Safety (Sappington), 156.
- Industrial Health Section: Joint Session with Chemical Section, 166-172.
- Joint Session with Industrial Nursing Section, 79-82.
- Joint Session with Metals Section, 50-69.
- Minutes, 45-77.
- Officers, 69.
- Industrial Nursing Section: Joint Session with Industrial Health Section, 79-82.
- Minutes, 79-82.
- Infections: Outstanding Causes of Injury in Our Plant and Measures Taken to Prevent Their Recurrence (Rheuby), 258-260.
- Insurance: Accident Reports and How the Insurance Companies Use Them (Dearborn), 189-190.
- The Determination and Control of Compensation Insurance Rates (Graft), 380-382.
- See also Claims.
- Interstate Commerce Commission: The Accident Investigation Work of the Bureau of Safety, I. C. C., (Borland), 422-423.
- Investigation of Accidents: The Fundamentals of Accident Investigation (Padgett), 439-441.
- Who Should Investigate Accidents in the Plant? 311.
- J**
- Jones, D. W.: Automatic Signal Systems for Mine Hauling, 302.
- K**
- Kane, M. J.: Safety in Foremanship by the Conference Method, 83-106.
- Kastell, R.: Accidents in the Rubber Industry during 1931, 396-397.
- Kearns, T. P.: National and State Foundry Codes in Relation to Accident Prevention, 267-268.
- Keown, R. McA.: Safe Drum Winders, 322.
- Kepner, I. V.: Report of Statistics Committee and Injury Experience in the Chemical Industry during 1931, 158.
- Kessler, H. H.: Strains, Sprains and Contusions, 74-76.
- Kintz, G. M.: Teaching of Safety at Colleges or Universities, 340.
- Klumph, D. A.: Report of Committee on Non-Train Accidents, 424.
- Knutson, Hon. R. G.: Participation of Industry in Community Safety, 324.
- Kroger, M. A.: The Employee's Plea for Safety, 140.
- Kuechenmeister, G. A.: Securing the Cooperation of the Worker in Accident Prevention, 351-353.
- Kuhn, P. R.: Typical Electrical Accidents. Their Cause and Prevention, 373-375.
- L**
- Labor Laws: Education will do More than Regulation to Promote Safety (Doak), 179-180.
- Ladders: Ladder Safety Code (Bender), 122-124.
- La Fontaine, L.: Safety to Employees While Handling Locomotives, 426-428.
- Lamps: Cap Lamps Used in Mines, 282-285.
- Lawrence, J. C.: Safety in Chemical Pumps and Pumping Machinery, 172-173.
- Lead Poison: Data on the Efficiency of Modern Respirator Filtering Mediums to Lead Dust and Fume (Stratton), 164-166.

Leather Industries Section: See Meat Packing, Tanning and Leather Industries Section.
 Leather Industry: Accident Experience in the Meat Packing, Tanning and Leather Industries during the year 1931 (Dittmer), 261-262.

See also Tanning Industry.

Le Ber, W. O.: Eighty-five Per Cent Supervision and Education Necessary to Make Safety A Success, 358-359.

Lecklider, Dr. A. F.: The Medical Department Presents the Case for Safety, 135-138.

Lifting: In Back Injuries (Roberts), 73-74.

See also Strains.

Lighting: Faulty Plant Illumination as a Factor in Accident Causation (Holmes), 226-227.

Some Data on Lighting in Underground Mines (Owings), 279-286.

Limestone: Safety in Limestone Mining and Quarrying (Harrington), 152-153.

Lincks, G. F. and Newton, E. G.: Electrical Cutouts in Industrial Applications, 124-128.

Linemen: See also Electricity.

Lockwood, R. G.: Maintenance a Vital Factor in Safe Operation of Air Transports, 116-117.

Locomotives: Safety to Employees While Handling Locomotives (La Fountaine), 426-428.

Logging: Safety in Wood Operations (Rothery), 453-454.

Lorenz, Dr. M. O.: Uniformity in Defining and Reporting Accidents, 414-415.

Luger, K. E. and Wright, E. C.: The Use of Stainless Steels in the Chemical Industry, 173-174.

Lumber Manufacturing Section: See Woodworking and Lumber Manufacturing Section.

Lumber Yards: Safety in Retail Lumber Yards (Wilson), 451-453.

Lumbering: See Logging.

Lundsteadt, A. E.: Accident Experience in the Delivery, Taxicab and Bus Section during 1931, 192.

Lynch, A. D.: An Effective and Economical Safety Program for the Small Plant, 33-36.

Lynch, F. C.: Community Fire Prevention in Kansas City, 41-42.

M

Machine Shops: Building Safety Morale in the Shops (Miller), 424-426.

Common Hazards in Machine Shops (Sanford), 355-356.

Power Press and Machine Shop Hazards (Smith), 355.

Reducing Power Press and Machine Shop Hazards Through Engineering Revision (Boraks), 354-355.

Unusual Accidents in the Machine Shop Group (Salisbury), 274-275.

Magruder, C. B.: The High Cost of Injuries, 260-261.

Maintaining Interest: An Accident Prevention Program and Its Results (Webb), 212-214.

Management: An Operating Executive's Views on Safety and Accident Prevention (Buffs), 202-204.

Modern Management's Views of Safety (Winegar), 132-133.

Safety From the Executive Viewpoint (Possett), 145.

Manholes: In Electrical Fires—Their Cause and Prevention (Potter), 43-44.

Marble, Dr. H. C.: Injuries to the Hand, 76-77.

Marine Industry: Accident Experience in the Marine Industry During 1931 (Self), 245-246.
 Cleaning and Gas-Freeing Cargo Oil Tanks (Butterworth), 240-241.

Emergency Illumination and Signalling (Hubbard), 242-243.

Is Maritime Safety Profitable? (Bush), 234-235.

Medical Aspects of Safety Aboard Ships (Wright), 235-237.

Medical Services for Seamen (Sanders), 243-244.

The Navy and Safety (Hobson), 244-245.

Prevention of Passenger Accidents and Claims on Coastwise Vessels (Flathers), 237-239.

Rules for the Construction of High Pressure Marine Boilers (Hoover), 246-249.

Safety from an Operator's Viewpoint (Edwards), 249-250.

Training an Officer Personnel for the American Merchant Marine (Tomb), 241-242.

Marine Section: Contest Committee Report, 239.

Contest Winners, 250.

General Chairman's Report, 234.

Minutes, 233-250.

Nominating Committee Report, 239-240.

Officers, 239-240.

Statistics Committee Report, 245-246.

Martin, C. H.: Safe Operation of Natural Gasoline Plants, 329-330.

Masks: Requirements for Paint Spray Masks, 67-68.

Meat Packing Industry: Accident Experience in the Meat Packing, Tanning and Leather Industries during the year 1931 (Dittmer), 261-262.

Meat Packing, Tanning and Leather Industries Section: Minutes, 251-262.

Nominating Committee Report, 254.

Officers, 254.

Statistical Committee Report, 261-262.

Medical Departments: The Doctor in Industry (Hyland), 205-207.

The Medical Department Presents the Case for Safety (Lecklider), 135-138.

See also Physicians.

Mehren, E. J.: Good-Will Dividends from Safety Work, 15-19.

Metal Industries: Accident Prevention in the Metal Trades at the Crossroads (Buxton), 270-271.

The Conditions of Saws and Their Relation to Safety (Gebhart), 449-451.

The Importance of Accident Facts in the Metals Industry (Speight), 265-267.

Think it Over (Davis), 264-265.

Unusual Accidents in Car Building (Brand), 272-273.

Unusual Accidents in the Machine Shop Group (Salisbury), 274-275.

Unusual Accidents in the Metals Industry and Lessons to be Learned from Them (Griffith), 273-274.

See also Foundries.

Metal Stamping: Trend of Accidents in the Metal Stamping Industry (Wallman), 348-349.

Metals Section: General Chairman's Report, 264.

Joint Session with Industrial Health Section, 50-69.

Minutes, 263-276.

Nominating Committee Report, 269.

Officers, 269.

Presentation of Awards to Contest Winners, 275-276.

Your Hour, 276.

Miller, G. H.: Building Safety Morale in the Shops, 424-426.

Miller, M. V.: Winner of the National Crushed Stone Association Contest, 384-385.
 Mines and Mining: Accident record, 278-279.
 Automatic Signal System for Mine Haulage (Dodge), 302-303.
 Factors in Providing for Efficient Supervision of Mining Operations (Evans), 304.
 Inspection and Maintenance of Electrical Wiring in Mines (Haselton), 305-308.
 Metal Mine Fires and Ventilation (Harrington), 290-302.
 Outstanding Safety Features Pertaining to Mines and Allied Industries in Arizona (Hunter), 289-290.
 Safety in Limestone Mining and Quarrying (Harrington), 152-153.
 Signal Systems for Mine Hauling (Jones), 302.
 Some Data on Lighting in Underground Mines (Owings), 279-286.
 Up-to-date Timbering for Mines (Hall), 285-288.
 Mining Section: Minutes, 277-308.
 Nominating Committee Report, 286.
 Officers, 286.
 Poster Committee Report, 278.
 Secretary's Report, 278.
 Statistics Committee Report, 278.
 Minor Injuries: In Safeguarding Our Eyes (Zook), 155.
 Strains, Sprains and Contusions (Kessler), 74-76.
 Murphy, W. B.: Notes on Safe Operation of Pressure Stills, 334-335.
 Myers, J. W.: Our Statistics and What They Show, 328-329.

N

National Safety Council: Directors, 4-6.
 Executive Committee, 3-4.
 Nominating Committee Report, 13.
 Officers, 3.
 Purposes and Policies, 7-8.
 Resolution Committee Report, 13-15.
 National Traffic Safety Contest: Presentation of Awards (Bergquist), 193.
 Natural Gas: See Gas Industry.
 Near Accidents: Lessons Learned from Near Accidents (Brydges), 310-311.
 Neff, P. F.: Safe Versus Unsafe Switching Practices, 420.
 New Employees: Employee Selection—The Logical Starting Point in an Accident Prevention Program (Prouty), 219-221.
 Safety Education of New and Old Employees (Finch), 215-216.
 News Letters: Are We Making the Most of Our News Letters? (Smith), 397-398.
 Newspaper Industry: Successful Fleet Safety Work Without Special Personnel (Ruth), 193-195.
 Newton, E. G. and Lincks, G. F.: Electrical Cutouts in Industrial Applications, 124-128.
 Nurses: How the Nurse Can Share Health Information With the Worker (Winton), 82.
 The Industrial Nurse's Contribution to the Conservation of Eyesight (Smith), 81-82.
 What is Public Health Nursing in Industry? (Deming), 79-81.

O

Occupational Diseases: See Health Hazards; Poisons.
 Organization: An Effective and Economical Safety Program for the Small Plant (Lynch), 33-36.
 Common Sense Accident Prevention (Gardiner), 217-219.

Employee Selection—The Logical Starting Point in an Accident Prevention Program (Prouty), 219-221.
 The Personnel Department's Place in the Safety Program (Greene), 133-134.
 Safety Organizations in the Marketing Department of an Oil Company (Smith), 337-339.
 Why Our Accident Plan is Successful (Smith), 437-439.
 Owings, C. W.: Some Data on Lighting in Underground Mines, 279-286.

P

Padden, Dr. E. H.: Maintaining Efficient Pilots Through Physical Fitness, 117-118.
 Padgett, E. G.: The Fundamentals of Accident Investigation, 439-441.
 Page, O. H.: The Economic and Other Values of Safety, 421-422.
 Paper and Pulp Section: Data on the 1931-32 Safety Contest, 323.
 General Chairman's Report, 309-310.
 Minutes, 309-326.
 Nominating Committee Report, 312.
 Officers, 312.
 Question Box, 311-312.
 Report of Committee on Hazards of Inrunning Nips on Paper Machines (Adams), 315-322.
 Paper Cutters: Dual Control on Guillotine Cutters (Gleason), 314-315.
 Rotary Cutters, 321.
 Paper Industry: Dual Control on Guillotine Cutters (Gleason), 314-315.
 Injury rates, 312-313.
 Lessons Learned from Near Accidents (Brydges), 310-311.
 Lessons to be Learned from Paper Mill Fatalities (Gilson), 313-314.
 Report of Committee on Hazards of Inrunning Nips on Paper Machines (Adams), 315-322.
 Safe Drum Winders (Keown), 322.
 Special Hazards of Fourdrinier Machines and Their Elimination (Williamson), 325-326.
 Parish, H. A.: The Extra Gang Problem, 432-434.
 Pasche, W.: An Accident Prevention Program and Its Results, 211-212.
 Peden, H. L.: Safety in the Distribution of Gas, 370-373.
 Personal Factors: The Accident-Prone Worker (Ferguson), 256-257.
 How Can The Foreman Help the Accident-Prone Man? (Zeitner), 227-228.
 Psychology and Accidents—Mental Ease During Depressions (Alden), 332-333.
 Safety—Its Application to the Individual (Stevens), 416.
 Typical Electrical Accidents, Their Cause and Prevention (Kuhn), 373-375.
 Why Do Some Employees Have More Accidents Than Others? (Cole), 36-37.
 Personnel Department: The Personnel Department's Place in the Safety Program (Greene), 133-134.
 Petroleum Industry: The Fire and Explosion Hazards in the Pipe Line and Natural Gasoline Industry (Breckland), 340-342.
 Keeping in Step with Progress in Safety (Brucklacher), 335-336.
 Notes on Safe Operation of Pressure Stills (Murphy), 334-335.
 Our Statistics and What They Show (Myers), 328-329.
 Safe Operation of Natural Gasoline Plants (Martin), 329-330.
 Safety Organizations in the Marketing De-

partment of an Oil Company (Smith), 337-339.
 Solving the Asphyxiation Problem (Risinger), 343-346.
 Solving the Traffic Problem (Hightower), 330-332.
 Wildcatting and Safety (Roaper), 342-343.
 Petroleum Section: Awards to Contest Winners, 339.
 General Chairman's Report, 327-328.
 Minutes, 327-346.
 Nominating Committee Report, 333-334.
 Officers, 333-334.
 Phillips, D. G.: Report of Committee on Train Service Accidents, 417-419.
 Physical Examinations: The Doctor in Industry (Hyland), 205-207.
 The Medical Department Presents the Case for Safety (Lecklider), 135-138.
 Physicians: The Doctor in Industry (Hyland), 205-207.
 Piper, T. W.: Do Awards to Foremen Stimulate Good Accident Prevention Records? 186-187.
 Plays: Court of Inquiry, 404.
 Profit or Loss, 132.
 Pneumoconiosis: See Dusts.
 Poisons: Activities of the Chemical Industry in Preventing Poisoning from the Viewpoint of the Federal Government (Yant), 166-169.
 Activities of the State in the Prevention of Occupational Poisons (Gray), 170-172.
 Data on the Efficiency of Modern Respirator Filtering Mediums to Lead Dust and Fume (Stratton), 164-166.
 Preventing Poisoning—From the Viewpoint of the Chemical Manufacturer (Dennis), 159-170.
 See also Gases; Health Hazards.
 Posselt, E.: Safety from the Executive Viewpoint, 145.
 Potter, H. B.: Electrical Fires—Their Cause and Prevention, 42-44.
 Power Press Section: General Chairman's Report, 347-348.
 Joint Session with Automotive and Machine Shop Section, 354-356.
 Minutes, 347-356.
 Nominating Committee Report, 349.
 Officers, 349.
 President's Address (Banash), 21-22.
 President's Address (Bergquist), 9-12.
 Presses—Power: Maintenance of Power Press Equipment for Safe Operation (Bland), 350-351.
 Power Press and Machine Shop Hazards (Smith), 355.
 Reducing Power Press and Machine Shop Hazards Through Engineering Revision (Boraks), 354-355.
 Trend of Accidents in the Metal Stamping Industry (Wallman), 348-349.
 Pressure Vessels: Safe Design, Construction and Operation of Fired Pressure Vessels (Royer), 26-28.
 Prezzano, E. P.: Preventing Accidents to Public Utility Employees on the Streets and Highways, 362-363.
 Price, D. J.: Descriptive Statements of Dust Explosion Tests at Arlington Farm Testing Station, 222-224.
 Priestler, A. A.: Safety Factors in Air Transport and the Adaptation of "Blind Flight" Training to Schedule Airline Operation, 111-116.
 Prouty, R. E.: Employee Selection—The Logical Starting Point in an Accident Prevention Program, 219-221.
 Psychology: See Personal Factors.

Public Safety: Community Fire Prevention in Kansas City (Lynch), 41-42.
 The Economic Necessity for Community Safety Work and its Relation to the Quarrying Industries (Immel), 383-384.
 Participation of Industry in Community Safety (Knutson), 324.
 The Value of Community Safety as Applied to Industry (Clark), 138-140.
 Public Utilities: Accident Facts in the Public Utility Industry (Durfee), 364-365.
 Preventing Accidents to Public Utility Employees on the Streets and Highways (Prezzano), 362-363.
 The Three Most Common Causes of Accidents in the Public Utility Industry (Bloomsburg), 363-364.
 Public Utilities Section: Contest Winners, 207.
 Minutes, 357-378.
 Nominating Committee Report, 359-360.
 Officers, 359-360.
 Punch Presses: See Presses—Power.

Q

Quarry Industry: Accident Prevention in the Warner Company (Dinsmore), 385-386.
 The Economic Necessity for Community Safety Work and its Relation to the Quarrying Industries (Immel), 383-384.
 Recent Progress of Safety in the Quarry Industries (Adams), 382-383.
 Safety in Limestone Mining and Quarrying (Harrington), 152-153.
 Quarry Section: Joint Session with Cement Section, 152-156.
 Minutes, 379-386.
 Nominating Committee Report, 383.
 Officers, 383.
 Statistics Committee Report, 379-380.
 Winner of the National Crushed Stone Association Contest (Miller), 384-385.

R

Rabe, F. W.: Refrigerating Apparatus—Its Safe Use and Proper Maintenance, 224-226.
 Railroads: The Accident Investigation Work of the Bureau of Safety, I. C. C. (Borland), 422-423.
 Address (Aishton), 411-412.
 Address (Doak), 413.
 The Bridge and Building Gang (Wood), 430-432.
 Building Safety Morale in the Shops (Miller), 424-426.
 The Cooperative Objectives of the National Safety Council and the Railroad Industry (Young), 407-410.
 The Economic and Other Values of Safety (Page), 421-422.
 The Extra Gang Problem (Parish), 432-434.
 Planning for Safety in Track Construction (Bradford), 428-430.
 Power Apparatus in Maintenance of Way Work (Adams), 428.
 The Railroad Trespass Evil (Denton), 413-414.
 Report of Committee on Non-Train Accidents (Klumph), 424.
 Report of Committee on Prevention of Highway Crossing Accidents (Rowe), 412-413.
 Report of Committee on Train Accidents (Warfel), 420-421.
 Report of Committee on Train Service Accidents (Phillips), 417-419.
 Safe Versus Unsafe Switching Practices (Neff), 420.
 Safety—Its Application to the Individual (Stevens), 416.

- Safety Today (Carrow), 410-411.
 Safety to Employees While Handling Locomotives (LaFountaine), 426-428.
 Uniformity in Defining and Reporting Accidents (Lorenz), 414-415.
 Value of "Safe Practices" Committees (Hartenstein), 423-424.
 Ralston, C. E.: Accidents and Their Causes in the Chemical Industry, 176.
 Reels: In Report of Committee on Hazards of Inrunning Nips on Paper Machines (Adams), 319.
 Refrigeration Industry: Accident Experience in the Refrigeration Industry During 1931 (Hillenbach), 388-389.
 Elimination of Hazards in the Engine Room (Authenrieth), 391-393.
 Ice Scoring Machine Hazards (Bright), 389-390.
 Refrigerating Apparatus—Its Safe Use and Proper Maintenance (Rabe), 224-226.
 Safe Handling of Ice (Dawley), 390-391.
 Refrigeration Section: Minutes, 387-394.
 Nominating Committee Report, 389.
 Officers, 389.
 Statistics Committee Report (Hillenbach), 388-389.
 Regula, A. S.: Capitalizing on Our Failures, 23-26.
 Rennie, W. H.: The Conference Process and Some of Its Features and Possibilities, 376-378.
 Resolutions: Report of Committee, N. S. C., 13-15.
 Steam Railroad Section, 434.
 Respirators: Data on the Efficiency of Modern Respirator Filtering Mediums to Lead Dust and Fume (Stratton), 164-166.
 In Methods of Protecting the Worker Against Dust Inhalation (Drinker), 66-67, 69.
 Responsibility for Accidents: Eighty-Five Per Cent Supervision and Education Necessary to Make Safety a Success (LeBer), 358-359.
 Rewards: Do Awards to Foremen Stimulate Good Accident Prevention Records? (Piper), 186-187.
 In Safety from the Executive Viewpoint (Posselt), 145.
 "Participation Plan" used by Kansas City Public Service Co., 203.
 See also Contests.
 Rheuby, W. P.: Outstanding Causes of Injury in Our Plant and Measures Taken to Prevent Their Recurrence, 258-260.
 Risinger, J. L.: Solving the Asphyxiation Problem, 343-346.
 Roads and Highways: Building America's Roads Safely (Walton), 187-189.
 Building Safety and Facility into the Highway (Halsey), 146-149.
 Roaper, R. B.: Wildcatting and Safety, 342-343.
 Roberts, S. M.: Back Injuries, 71-74.
 Rothery, J. E.: Safety in Wood Operations, 453-454.
 Rowe, H. A.: Report of Committee on Prevention of Highway Crossing Accidents, 412-413.
 Royer, D. L.: Safe Design, Construction and Operation of Fired Pressure Vessels, 26-28.
 Rubber Industry: Accidents in the Rubber Industry during 1931 (Kastell), 396-397.
 Is Carbon Tetrachloride a Health Hazard as Used in the Rubber Industry? (Shirley), 398-402.
 Rubber Section: Are We Making the Most of Our News Letter? (Smith), 397-398.
 Award of Contest Trophies, 403.
 General Chairman's Report, 395.
 Minutes, 395-404.
 Nominating Committee Report, 402-403.
 Officers, 402-403.
 Russell, A. E.: Clinical and Statistical Aspects of Silicosis, 57-61.
 Ruth, Maj. C. H.: Successful Fleet Safety Work Without Special Personnel, 193-195.

S

- Safe Drivers League: Methods of Safe Driving (Couchman), 151-152.
 The Portland Cement Association's Safe Drivers League (Hamilton), 150.
 Safeguarding: What the Manufacturer of Machinery Can Do to Promote Safety in the Tanning Industry (Callahan), 254-255.
 Safety Department: The Relationship Between the Claim Department and the Safety Department (Giltner), 208-211.
 Safety in Foremanship by the Conference Method (Kane), 83-106.
 Safety Movement: Principles of Safety (Heiss), 436-437.
 Safety Section, A. R. A.—Steam Railroad Section, N. S. C.: See Steam Railroad Section.
 Salisbury, R. C.: Unusual Accidents in the Machine Shop Group, 274-275.
 Sandblasting Requirements for sandblast helmets, 67.
 See also Dusts.
 Sanders, C. W.: Medical Services for Seamen, 243-244.
 Sanford, G. E.: Common Hazards in Machine Shops, 355-356.
 Sappington, Dr. C. O.: Health Hazards in the Textile Industry, 443-444.
 Industrial Health and Its Relation to Industrial Safety, 156.
 Saws: The Conditions of Saws and Their Relation to Safety (Gebhart), 449-451.
 Kick-Backs and How to Prevent Them (Boileau), 448-449.
 Schaefer, W. A.: Cooperation, 404.
 Schulze, W. H.: Services of a Health Department to Small Industrial Plants, 49.
 Scott, R.: Report of Committee on Relations with National Safety Council, 405-407.
 Self, B. H.: Accident Experience in the Marine Industry during 1931, 245-246.
 Shaw, H. W.: Maintenance of the Motor Vehicle and Its Importance in Fleet Safety, 199-200.
 Shirley, Dr. J. N.: Is Carbon Tetrachloride a Health Hazard as Used in the Rubber Industry? 398-402.
 Shoes: Metal Caps on Safety Shoes, 276.
 Signals: Emergency Illumination and Signaling (Marine), (Hubbard), 242-243.
 Silicosis: See Dusts.
 Slitters: In Report of Committee on Hazards of Inrunning Nips on Paper Machines (Adams), 319-320.
 Small Plants: An Effective and Economical Safety Program for the Small Plant (Lynch), 33-36.
 Health Work in Small Plants (Everts), 45-47.
 Health Work in the Small Plant (Bennett), 49-50.
 Services of a Health Department to Small Industrial Plants, 49.
 Smith, C. F.: Are We Making the Most of Our News Letter? 397-398.
 Smith, C. W.: Safety Organizations in the Marketing Department of an Oil Co., 337-339.
 Smith, E. J.: Power Press and Machine Shop Hazards, 355.
 Smith, J. F.: Why our Accident Plan is Successful, 437-439.

- Smith, M. E.: The Industrial Nurse's Contribution to the Conservation of Eyesight, 81-82.
- Smith, W. R.: American Standards of Safety in the Construction Industry, 120-122.
- Solensten, R. T.: Common Sense in Bulletin Board Publicity for Safety, 252-253.
- Spears, H. A.: The Relation of Accidents to Production Losses, 441-443.
- Speight, W. D.: Importance of Accident Facts in the Metals Industry, 265-267.
- Spicer, J. J.: Accident Prevention in the Tanning Industry, 257-258.
- Sprains: Strains, Sprains and Contusions (Kessler), 74-76.
- Standards: American Standards of Safety in the Construction Industry (Smith), 120-122.
- Ladder Safety Code (Bender), 122-124.
- National and State Foundry Codes in Relation to Accident Prevention (Kearns), 267-268.
- Research on Oil Buffers and Undercar Safeties for Elevators, 120.
- States and Safety: Activities of the State in the Prevention of Occupational Poisons (Gray), 170-172.
- Steam Railroad Section: Minutes, 405-434.
- Nominating Committee Report, 434.
- Officers, 434.
- Report of Committee on Prevention of Highway Crossing Accidents (Rowe), 412-413.
- Report of Committee on Relations with National Safety Council (Scott), 405-407.
- Report of Committee on Train Accidents (Warfel), 420-421.
- Report of Committee on Train Service Accidents (Phillips), 417-419.
- Resolutions Committee Report, 434.
- Stearns, W.: Accident Costs—A Round Table Discussion, 403-404.
- Steel Industry: See Metal Industries.
- Stevens, D. F.: Safety—Its Application to the Individual, 416.
- Strains: In Back Injuries (Roberts), 73-74.
- Strains, Sprains and Contusions (Kessler), 74-76.
- See also Lifting.
- Stratton, R. C.: Data on the Efficiency of Modern Respirator Filtering Mediums to Lead Dust and Fume, 164-166.
- Stream Pollution: Some Causes and Effects of Stream Pollution (Hoskins), 174-175.
- Syphilis: See Venereal Diseases.
- T**
- Tanks: Cleaning and Gas-Freeing Cargo Oil Tanks (Butterworth), 240-241.
- Tanning Industry: Accident Experience in the Meat Packing, Tanning and Leather Industries during the year 1931 (Dittmer), 261-262.
- Accident Prevention in the Tanning Industry (Spicer), 257-258.
- Outstanding Causes of Injury in Our Plant and Measures Taken to Prevent Their Recurrence (Rheuby), 258-260.
- What the Manufacturer of Machinery Can Do to Promote Safety in the Tanning Industry (Callahan), 254-255.
- See also Leather Industry.
- Tanning Section: See Meat Packing, Tanning and Leather Industries Section.
- Telephone and Telegraph: The Conference Process and Some of its Features and Possibilities (Rennie), 376-378.
- Textile Industry: Health Hazards in the Textile Industry (Sappington), 443-444.
- The Relation of Accidents to Production Losses (Spears), 441-443.
- Textile Safety Kinks and Safe Practices (Barlow), 446.
- Textile Safety Kinks and Safe Practices (Trolinger), 444-445.
- Why Our Accident Plan is Successful (Smith), 437-439.
- Textile Section: Minutes, 435-446.
- Nominating Committee Report, 437.
- Officers, 437.
- Thee, W. C.: How to Give the Worker Health, Happiness and Security, 195-196.
- Tomb, Capt. J. H.: Training an Officer Personnel for the American Merchant Marine, 241-242.
- Torches: Report on Investigation of Accidents with Portable Hand Torches and Plumbers' Furnaces, 128.
- Traffic: Building Safety and Facility into the Highway (Halsey), 146-149.
- Solving the Traffic Problem (Hightower), 330-332.
- Trolinger, J. T.: Textile Safety Kinks and Safe Practices, 444-445.
- U**
- U. S. Government and Safety: See Federal Government and Safety.
- V**
- Venereal Diseases: Syphilis and Gonococcal Infections in Small Industries (Clarke), 47-48.
- Ventilation and Exhaust Systems: In Methods for the Control of Dust in Industry and for the Protection of the Worker (Hatch), 63-65.
- Voss, J. A.: Education and Discipline in the Accident Prevention Program, 353-354.
- W**
- Wallace, L. W.: The Engineer—A Factor in Civilization, 128-130.
- Wallman, E. J.: Trend of Accidents in the Metal Stamping Industry, 348-349.
- Walton, T. W.: Building America's Roads Safely, 187-189.
- Warfel, G. H.: Report of Committee on Train Accidents, 420-421.
- Washburn, W. C.: The Safe Delivery of Food Products by Horse-Drawn Vehicles, 231-232.
- Watson, W. N.: Safe Handling of Chemicals, 159-160.
- Webb, H. F.: An Accident Prevention Program and Its Results, 212-214.
- Wells, C. V.: Safety Among Drivers in Scattered Fleets, 198-199.
- Whitwell, G. E.: Safety in the Production of Artificial Gas, 368-370.
- Williamson, H. K.: Special Hazards of Four-drummer Machines and Their Elimination, 325-326.
- Wilson, J. C.: Safety in Retail Lumber Yards, 451-453.
- Winders: In Report of Committee on Hazards of Inrunning Nips on Paper Machines (Adams), 319-321.
- Safe Drum Winders (Keown), 322.
- Winegar, C. T.: Modern Management's View of Safety, 132-133.
- Winton, E.: How the Nurse Can Share Health Information with the Worker, 82.
- Women in Industry: Accident Prevention for Women Workers (Anderson), 37-38.
- Wood, J. P.: The Bridge and Building Gang, 430-432.

Woodworking and Lumber Manufacturing Section: General Chairman's Report, 448.
Minutes, 447-454.
Nominating Committee Report, 451.
Officers, 451.
Woodworking Industry: The Conditions of Saws and Their Relation to Safety, (Gebhart), 449-451.
Kick-backs and How to Prevent Them (Boileau), 448-449.
Workmen's Compensation Laws: In Education Will Do More Than Regulation to Promote Safety (Doak), 180.
Wright, E. C. and Luger, K. E.: The Use of Stainless Steels in the Chemical Industry, 173-174.
Wright, J.: Medical Aspects of Safety Aboard Ships, 235-237.

Y

Yant, W. P.: Activities of the Chemical Industry in Preventing Poisoning from the Viewpoint of the Federal Government, 166-169.
Young, A. H.: The Cooperative Objectives of the National Safety Council and the Railroad Industry, 407-410.
Your Hour, 276.

Z

Zeitner, J. J.: How Can the Foreman Help the Accident-Prone Man? 227-228.
Zook, J. B.: Safeguarding Our Eyes, 153-155.

1932

INDEX

volume 2

A

- Abbott, G.: Home Safety for Children, 67-68.
 Accident-Prone Driver: See Personal Factors.
 Accident Statistics: Discussion of Rural Highway Hazards Committee Reports (Smith), 13-14.
 High-Accident Location Clinic (Vey), 6-7.
 Psychological Factors in Highway Accidents (Viteles), 4-6.
 Report of Committee on Rural Highway Hazards (Taylor), 11-13.
 A Suggested Method of Comparing Accident Statistics (McCroskey), 30-32.
 Traffic Accident Indexes (Fisk), 27-30.
 What Information Should the Accident Report Give? (Stupka), 7-8.
 What the Public Wants to Know About Accidents (Newton), 14-16.
 What We May Expect as the Future of Traffic Accidents (Williams), 32-33.
 Automobile Driving: Committee on the Driver, Joint Session with Street and Highway Traffic Section and Delivery, Taxicab and Bus Section, 3-6.
 Demonstration of A Typical Oral Examination and Driving Test (DeGarmendia), 22-23.
 Drivers' License Examinations, Present and Future (Stoeckel), 18-20.
 Examination by Local Officials (Lyon), 20-22.
 Horse Power and Horse Sense Education of the Adult Motorist (Hoffman), 16-17.
 Psychological Factors in Highway Accidents (Viteles), 4-6.
 Reducing Auto Accidents Through the Shops (Gilbert), 58-60.

B

- Bamberger, Dr. F.: An Evaluation of Techniques Used in Teaching Safety, 51-53.
 Batchelor, M. D.: The Physician-Mother Looks at Home Safety, 68-69.
 Blanchard, A. H.: The Legal Rights of Pedestrians, 33-37.
 Bradford, Mrs. H.: Parents and Teachers Cooperate for Child Safety, 53-54.

C

- Child Education Section: Minutes, 47-63.
 Report of Committee on Elementary Education (Schad), 47-48.
 Report of Committee on Membership (Sherard), 49.
 Report of Committee on Secondary Education (Stack), 48-49.
 Committee on the Driver: Joint Session with Street and Highway Traffic Section and Delivery, Taxicab and Bus Section, 3-6.
 Cooper, Hon. W. J.: Progress in Safety Education, 49-50.

D

- DeGarmendia, C.: Demonstration of a Typical Oral Examination and Driving Test, 22-23.
 Delivery, Taxicab and Bus Section: Joint Session with N. S. C. Committee on the Driver and Street and Highway Traffic Section, 3-6.
 Drivers' Licenses: See Automobile Driving.

E

- Eastern Conference of Motor Vehicle Administrators: Joint Session with Street and Highway Traffic Section, 11-23.

- Education: An Evaluation of Techniques Used in Teaching Safety (Bamberger), 51-53.
 Effectiveness of Visual Instruction in Teaching Safety (Hochheimer), 51.
 How to Follow Through on Recommendations of the White House Conference on Child Health and Protection (Hastings), 54-56.
 Parents and Teachers Cooperate for Child Safety (Bradford), 53-54.
 Progress in Safety Education (Cooper), 49-50.
 Report of Committee on Elementary Education (Schad), 47-48.
 Report of Committee on Secondary Education (Stack), 48-49.
 Report of Special Committee to Investigate Safety Education in Training of Teachers (Noyes), 63.
 A State-Wide Safety Program (Ireland), 56-57.
 See also Vocational Education.
 Edwards, A. L.: What is Home Safety? 65-66.
 Electric Railways: The Place of the Street Car in Traffic (Hoover), 37-38.
 Ely, S. M.: The School Boy Patrol, 57-58.

F

- First Aid: First Aid Demonstration (Willison), 62-63.
 Protection at Home Through Safety and First Aid (Marshall), 69-70.
 Fisk, C. C.: Traffic Accident Indexes, 27-30.

G

- Gilbert, L.: Reducing Auto Accidents Through the Shops, 58-60.
 Gomila, Dr. F. R.: Problems of Public Relations, 25-26.

H

- Hastings, G. A.: How to Follow Through on Recommendations of the White House Conference on Child Health and Protection, 54-56.
 High Schools: See Education; Vocational Education.
 Hochheimer, R.: Effectiveness of Visual Instruction in Teaching Safety, 51.
 Hoffman, H. G.: Horse Power and Horse Sense Education of the Adult Motorist, 16-17.
 Report of Committee on Uniformity, 41-42.
 Home Safety: Home Safety for Children (Abbott), 67-68.
 The Physician-Mother Looks at Home Safety (Batchelor), 68-69.
 Protection at Home Through Safety and First Aid (Marshall), 69-70.
 What is Home Safety? (Edwards), 65-66.
 Home Safety Session: 65-70.
 Hoover, K. M.: The Place of the Street Car in Traffic, 37-38.

I

- Institute of Traffic Engineers: Joint Session with Street and Highway Traffic Section, 27-39.
 Ireland, Dr. A. G.: A State-Wide Safety Program, 56-57.

J

- James, E. W.: The Work of the Joint Committee on Traffic Sign and Signal Codes, 43-46.

K

- Kratz, J. A.: Social and Economic Significance of Vocational Rehabilitation as a Service of Government, 60-61.
 Kreml, F. M.: Enforcement and Accidents, 26-27.

L

- Law Enforcement: See Traffic Laws.
 Lyon, Capt. L. A.: Examination by Local Officials, 20-22.

M

- McCroskey, T. T.: A Suggested Method of Comparing Accident Statistics, 30-32.
 McIntyre, L. W.: Reduction of Traffic Accidents by Engineering Methods, 4.
 Marshall, Dr. O.: Protection at Home Through Safety and First Aid, 69-70.

N

- National Conference on Street and Highway Safety: Joint Session with Street and Highway Traffic Section, 39-46.
 National Traffic Safety Contest, 26-27.
 Newton, G. D.: What the Public Wants to Know About Accidents, 14-16.
 Noyes, H. G.: Report of the Special Committee to Investigate Safety Education in Training of Teachers, 63.

P

- Parker, C. K.: What can Police do About Traffic? 23-24.
 Patrols: Demonstration, 53.
 The School Boy Patrol (Ely), 57-58.
 Pavements: The Selection of Pavement Types for Highway Surfaces (Peabody), 38-39.
 Peabody, L. E.: The Selection of Pavement Types for Highway Surfaces, 38-39.
 Pedestrians: The Legal Rights of Pedestrians (Blanchard), 33-37.
 Personal Factors: Psychological Factors in Highway Accidents (Viteles), 4-6.
 Police: Problems of Public Relations (Gomila), 25-26.
 What Can Police do About Traffic? (Parker), 23-24.
 Psychology: See Personal Factors.

R

- Rehabilitation: Social and Economic Significance of Vocational Rehabilitation as a Service of Government (Kratz), 60-61.

S

- Schad, E. A.: Report of Committee on Elementary Education, 47-48.
 School Shops: See Vocational Education.
 Schools—Safety Work With: See Education; Patrols; Vocational Education.
 Sherrard, R. M.: Report of Committee on Membership, 49.
 Signals—Traffic: The Work of the Joint Committee on Traffic Sign and Signal Codes (James), 43-46.
 Signs—Traffic: The Work of the Joint Committee on Traffic Sign and Signal Codes (James), 43-46.
 Simpson, H. S.: Report of the Committee on Traffic Engineering, 8-9.
 Smith, E. K.: Discussion of Rural Highway Hazards Committee Reports, 13-14.

- Stack, H. J.: Report of Committee on Secondary Education, 48-49.
 Stoeckel, R. B.: Drivers' License Examinations, Present and Future, 18-20.
 Street and Highway Traffic Section: Joint Session with Eastern Conference of Motor Vehicle Administrators, 11-23.
 Joint Session with Institute of Traffic Engineers, 27-39.
 Joint Session with National Conference on Street and Highway Safety, 39-46.
 Joint Session with N. S. C. Committee on the Driver and the Delivery, Taxicab and Bus Section, 3-6.
 Minutes, 3-6.
 Nominating Committee Report, 10-11.
 Officers, 10-11.
 Report of Committee on Public Education, 10.
 Report of Committee on Rural Highway Hazards (Taylor), 11-13.
 Report of Committee on Uniformity (Hoffman), 41-42.
 Stupka, P. J.: What Information Should the Accident Report Give? 7-8.
 Sylvester, Dr. C. W.: Safety Education in Vocational Schools, 61-62.

T

- Taylor, C. P.: Report of Committee on Rural Highway Hazards, 11-13.
 Taylor: Discussion of Rural Highway Hazards Committee Reports (Smith), 13-14.
 Enforcement and Accidents (Kreml), 26-27.
 High-Accident Location Clinic (Vey), 6-7.
 The Place of the Street Car in Traffic (Hoover), 37-38.
 Problems of Public Relations (Gomila), 25-26.
 Reduction of Traffic Accidents by Engineering Methods (McIntyre), 4.
 Report of Committee on Rural Highway Hazards (Taylor), 11-13.
 Report of the Committee on Traffic Engineering (Simpson), 8-9.
 The Selection of Pavement Types for Highway Surfaces (Peabody), 38-39.
 Traffic Accident Indexes (Fick), 27-30.
 What Can Police do About Traffic? (Parker), 23-24.
 What We May Expect as the Future of Traffic Accidents (Williams), 32-33.
 See also Pedestrians.
 Traffic Demonstration, 46.
 Traffic Laws: Discussion on Uniform Traffic Laws, 39-41.
 How the Model Traffic Ordinance has Stood the Test (Vruggink), 42-43.
 Report of Committee on Uniformity (Hoffman), 41-42.
 See also Automobile Driving.
 Traffic Observation Tour, 46.

V

- Vey, A. H.: High-Accident Location Clinic, 6-7.
 Viteles, M. S.: Psychological Factors in Highway Accidents, 4-6.
 Vocational Education: Reducing Auto Accidents Through the Shops (Gilbert), 58-60.
 Safety Education in Vocational Schools (Sylvester), 61-62.
 Vruggink, G.: How the Model Traffic Ordinance has Stood the Test, 42-43.

W

- White House Conference, 54-56.
 Williams, S. J.: What We May Expect as the Future of Traffic Accidents, 32-33.
 Willison, Dr. E. E.: First Aid Demonstration, 62-63.