PLAINTIFF'S EXHIBIT

FDLE-2

IN THE COURT OF COMMON PLEAS
CUYAHOGA COUNTY, OHIO

ELDON CLAUDE DICKERSON AND RUTH VIRGINA DICKERSON,	:	CASE NO. 398302
Plaintiffs,	:	(JUDGE HARRY A. HANNA)
-vs-	:	
A-BEST PRODUCTS COMPANY, ET AL.,	:	
Defendants.	:	

RESPONSES TO

PLAINTIFFS' REQUESTS FOR PRODUCTION OF DOCUMENTS PROPOUNDED TO F. D. LAWRENCE ELECTRIC COMPANY

TO: F. D. LAWRENCE ELECTRIC COMPANY, by and through its attorney of record, William F. Gibson, Gallagher, Sharp, Fulton & Norman, Sixth Floor-Bulkley Building, 1501 Euclid Avenue, Cleveland, OH 44115.

F. D. Lawrence Electric Company ("Defendant") is hereby requested to produce the following documents, objects or tangible things for inspection, copying, reproduction and photographing within twenty-eight (28) days of the time service is made upon Defendant, in accordance with Ohio Civil Rule 34. For purposes of these Requests for Production, the following definitions apply:

DEFINITIONS

1. The words "Defendant," "You," "Your," or "Your company," all mean the corporate Defendant separately answering these Interrogatories, and any of its merged, consolidated, or acquired predecessors, divisions, subsidiaries, foreign subsidiaries, foreign subsidiaries of predecessors, and/or affiliates. This includes, but is not limited to, those known to have mined, manufactured, sold, marketed, utilized or distributed asbestos or asbestos-containing

products or that incorporated asbestos or asbestos-containing products at any work site. This definition includes present and former officers, directors, servants, agents, employees, and all other persons acting or purporting to act on behalf of the corporate Defendant or its predecessors, subsidiaries, and/or affiliates known to have mined, manufactured, sold, marketed, utilized or distributed asbestos or asbestos-containing products. "Predecessors" means any business firm, whether or not incorporated, which had all or some of its assets purchased by you or came to be acquired by you whether by merger, consolidation, or otherwise known to have mined, manufactured, sold, marketed, utilized, or distributed asbestos or asbestos-containing products. "Subsidiaries" means any business firm, whether or not incorporated, which is or was in any way owned or controlled, in whole or in part by Defendant or its predecessors and which is known to have mined, manufactured, sold, marketed, utilized or distributed asbestos or asbestos-containing products.

2. "Document" includes, but is not limited to, correspondence, letter, memoranda, message, note, report, cable, telegram, photograph, film, tape, and all other written communications of every kind and character; note, recording disk, or any other record of oral communication; microfilm; worksheet; schedule; exhibit; demonstrative aid; letter; contract; agreement; deeds, bills of sale, deeds of trust, security agreements, leases and other instruments or documents of title; maps; diagrams; logs; summaries; printouts; graphs, charts; compilations, tables; publications; manuals; minutes; by-laws; articles of incorporation; resolution; shareholder endorsements; partnership documents; minute books, diaries; calendars, bank statements, tax returns; lists; tapes, video tapes; and any other data compilations from which information can be

obtained and translated.

3. "Identify" means to give the date, title, origin, author, and addressee to enable plaintiff to retrieve it from a file; and further, identify means to give the name, address, position, title, and whether a person is employed or not employed by Defendant.

4. The words "person" or "persons" include natural persons, firms, partnerships, associations, joint ventures, corporations, and any other form of business organization or arrangement, and officers, directors, shareholders, employees, agents, and contractors of any business organization or arrangement.

5. The words "meeting" or "meetings" may mean any coincidence or presence of any persons, whether or not such coincidence or presence was pre-arranged, was formal or informal, or was in connection with some other activity.

6. The words "describe" or "description", when referring to a place, thing, or occurrence, mean to identify with sufficient particularity the place, thing, or occurrence so as to enable one to locate, examine and fully comprehend or understand the place, thing, or occurrence described.

7. The words "product containing asbestos fibers," "asbestos-containing products," or "asbestos products" all refer to any products or materials prepared in any way for sale and/or distribution that contained any kind of asbestos in any possible form. The words "asbestos materials" refer to any and all materials, substance, or matter used or assembled or fabricated during the manufacture of a product, and that contain at least some asbestos fibers. "Product" includes, but is not limited to, pipecovering, turbines, cement, block, gaskets, packing, plaster,

joint compound, floor and ceiling tiles, mastics, boilers, raw fibers, fireproofing, shingles, panels, sheets, boards, millboard, refractory cement, boilers, firebrick, brake and clutch linings, finishing compound, texture, and other construction, building, drywall, lath and insulation materials.

8. The words "design changes," or "modifications" mean alterations in the makeup and/or components of a particular product, including but not limited to, variations in the amount or type of asbestos used in the process of manufacturing the product.

9. The words "distribute," "distributed," "distributor," or "distribution" all refer to the sale, marketing, dispersal and/or shipment of asbestos-containing products for purposes of their sale, resale and/or for purposes of filling orders provided by other business concerns. The word "distributor" specifically refers to a company or its sales representatives, whether dependent or independent, responsible for sales or marketing of products.

10. The words "marketed," or "market" mean and include all efforts to assist in the distribution and/or sale of products. More generally, these terms refer to only efforts on your part or the part of manufacturers or distributors to sell or otherwise distribute products.

11. The words "medical advisory capacity" refer to the duties, abilities or capabilities of any member of Defendant's staff, or any individual or organization who has contracted with Defendant, to provide services of a medical nature, including but not limited to providing medical advice.

12. The words "trade organization," or "trade association" mean any organizations or associations of business or industrial entities that are associated and/or meet for the purpose of achieving common goals and/or exchanging information related to common needs or interests,

and/or learning information or facts of interest to the various members of the organization or association.

13. The word "plant" means a manufacturing or assembly facility where products are assembled, manufactured, constructed, fabricated, or where component parts, materials, substances, or matter of such products are fabricated, assembled, or manufactured or are prepared for further fabrication and/or assembly.

14. The word "manufacture," or "manufactured" means to fabricate, to construct, to assemble, prepare for fabrication or assembly, or any other action taken prior to completion of the product or material before the time of its shipment.

15. The words "sales materials," or "written sales materials" mean any and all documents or literature of a promotional nature that were created or printed for the purpose of assisting in the marketing or distribution of the products. Such documentation may include, but is not limited to, sales invoices, order slips, and other written indicia of orders received and sales made.

16. The words "rebranding agreement" mean an agreement of any kind whereby one party to the agreement is provided products by the other party to the agreement and the agreement contemplates that the first party will place the brand name of its choice upon the products, either by repackaging or otherwise, and then proceed to sell, market, distribute and/or place the product in the stream of commerce, utilizing its new brand name.

17. The words "research" or "research department" refer to efforts, whether scientific or otherwise, to develop new and/or different types of products, processes or designs of pre-

existing products and is meant to incorporate all efforts that specifically contemplated the possible alteration of products.

18. The words "medical department" refer to an individual or a section or group of individuals working for Defendants, either directly or in a contractual capacity, whose purpose was or is to provide guidance, assistance, or advice concerning any aspects of medical health, including but not limited to, the safety of Defendant's workers and the safety of individuals using products manufactured by Defendant.

19. The words "industrial hygiene surveys" mean surveys, tests, interviews, or other procedures taken or effectuated for the purpose of determining air quality, air contamination, dust content, safety of a facility or hazards at any site or facility.

20. The words "health hazards," or "potential health hazards" refer and relate to any injury, effect, damage, scarring, wound, impairment or disability of any part of the human anatomy, including but not limited to the lungs and lung linings.

21. The words "test" or "testing" are used in their broadest sense, including but not limited to, studies of atmospheric dust samples, studies of the concentration of asbestos in such airborne test samples, studies of the lung conditions of workers (by x-ray or other means of medical surveillance), pulmonary function studies of workers, animal studies, pathological studies, industrial hygiene studies, risk assessment studies, cost-benefit analyses and any other studies on the product concerning health and safety required by any governmental agency.

REQUEST FOR PRODUCTION NO. 1:

Please produce a true and correct copy of each photograph or picture of each asbestos-

containing product that Defendant has ever mined, manufactured, sold, marketed, installed, and/or distributed.

RESPONSE: See Exhibit 1.

REQUEST FOR PRODUCTION NO. 2:

Please produce a true and correct copy of each document which reflects sales of those asbestos-containing products listed in response to Interrogatory No. 5 to any of the job sites listed on Exhibit A, attached hereto.

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 3:

Please produce a true and correct copy of each document which reflects sales of Defendant's asbestos-containing products to companies that may have distributed, packaged, labeled, and/or sold Defendant's asbestos-containing products.

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 4:

Please produce a true and correct copy of each record and/or contract which reflects the

sales of Defendant's asbestos-containing products to any of the job sites listed on Exhibit A, attached hereto.

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 5:

Please produce a true and correct copy of each record and/or contract which reflects the sales of Defendant's asbestos-containing products to distributors and marketers who may have called on any of the job sites listed on Exhibit A, attached hereto.

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 6:

Please produce a true and correct copy of each contract and/or work order that reflects contracts for Defendant to have asbestos-containing products installed or removed at any of the job sites listed on Exhibit A, attached hereto.

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 7:

Please produce a true and correct copy of each work order and contract that reflects

contract business between Defendant and any of the job sites listed on Exhibit A, attached hereto, for the application of asbestos-containing products.

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 8:

Please produce a true and correct copy of each document relating to the design and preparation of the asbestos-containing products listed in Defendant's answer to Interrogatory No. 5.

RESPONSE: See Exhibit 1.

REQUEST FOR PRODUCTION NO. 9:

For each product listed in response to Interrogatory No. 5, please produce a copy of all tests that were conducted to determine any potential health hazards involved in its use or exposure (this Request for Production relates to Plaintiffs' Interrogatory No. 18 previously propounded to Defendant in this litigation).

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 10:

Please produce a true and correct copy of all documents relating to the testing of any product which Defendant listed in response to Interrogatory No. 5 (this Request for Production relates to Plaintiffs' Interrogatory No. 19 previously propounded to Defendant in this litigation).

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 11:

Please produce a true and correct copy of all tests which Defendant conducted and/or has in its possession to determine potential health hazards involved in the use of or exposure to asbestos products listed in response to Interrogatory No. 5 (this Request for Production relates to Plaintiffs' Interrogatory No. 21 previously propounded to Defendant in this litigation).

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 12:

Please produce a true and correct copy of all studies which Defendant conducted or caused to be conducted concerning the effects of the inhalation of asbestos dust and/or fibers in workers or other persons using, working with and/or around, installing and/or applying any of the asbestos products mined, manufactured, sold, distributed, marketed, installed and/or relabelled for distribution by Defendant or Defendant's predecessor (this Request for Production relates to

Plaintiffs' Interrogatory No. 22 previously propounded to Defendant in this litigation).

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 13:

Please produce a true and correct copy of all documents relating to any studies made or caused to be made by Defendant, to determine whether the asbestos-containing products mined, manufactured, sold, marketed, installed or distributed by Defendant or Defendant's predecessor would be hazardous to people (this Request for Production relates to Plaintiffs' Interrogatory No. 23 previously propounded to Defendant in this litigation).

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 14:

Please produce a true and correct copy of all tests in the field which Defendant conducted or caused to be conducted to determine the nature and extent of asbestos dust and/or fiber exposure to insulators, applicators, fellow employees or other workers removing and/or tearing out asbestos-containing products (this Request for Production relates to Plaintiffs' Interrogatory No. 24 previously propounded to Defendant in this litigation).

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 15:

Please produce a true and correct copy of each test which Defendant conducted or caused to be conducted regarding the quantity, quality, or threshold limit value of asbestos dust, fibers, and/or particles to which workers were exposed while using, working with and/or around, installing and/or applying Defendant's asbestos-containing products (this Request for Production relates to Plaintiffs' Interrogatory No. 31 previously propounded to Defendant in this litigation).

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 16:

For each product listed in response to Interrogatory No. 5, please produce a true and correct copy of all promotional or sales material including, but not limited to, brochures, pamphlets, catalogs, packaging, or other written materials of any kind or character.

RESPONSE: See Exhibit 1.

REQUEST FOR PRODUCTION NO. 17:

Please produce a true and correct copy of all warnings, cautions, caveats or directions concerning the possible health effects of the products listed in response to Interrogatory No. 5 (this Request for Production relates to Plaintiffs' Interrogatory No. 41 previously propounded to Defendant).

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 18:

Please produce a true and correct copy of all written materials prepared by Defendant or Defendant's predecessors or any of Defendant's subsidiaries indicating how the products listed in response to Interrogatory No. 5 should be used or maintained by the ultimate user (this Request for Production relates to Plaintiffs' Interrogatory No. 43 previously propounded to Defendant).

RESPONSE: See Exhibit 1.

REQUEST FOR PRODUCTION NO. 19:

Please produce a true and correct copy of all notices received by Defendant prior to 1968 that any person was claiming injury or had sustained an abnormal x-ray reading as a result of using asbestos-containing products mined, manufactured, sold, marketed, installed, or distributed by Defendant (this Request for Production relates to Plaintiffs' Interrogatory No. 48 previously propounded to Defendant).

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 20:

Please produce a true and correct copy of statements from all people with knowledge of relevant facts to this lawsuit.

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 21:

Please produce a true and correct copy of all documents which mention, allude or refer to tests performed on breathing devices to prevent the inhalation of asbestos dust and/or fibers (this Request for Production relates to Plaintiffs' Interrogatory No. 52 previously propounded to Defendant).

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 22:

Please produce a true and correct copy of all reports by experts that Defendant may call upon at the trial of this case (this Request for Production relates to Plaintiffs' Interrogatory No. 53 previously propounded to Defendant).

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 23:

Please produce a true and correct copy of all policies of insurance under which any person carrying on an insurance business may be liable to satisfy part or all of a judgment which may be entered in the action or to indemnify or reimburse for payments made to satisfy the judgment.

RESPONSE: See Exhibit 2.

REQUEST FOR PRODUCTION NO. 24:

Please produce a true and correct copy of all notices received by Defendant prior to 1968 that any person was claiming an injury or had sustained an abnormal x-ray reading as a result of using asbestos-containing products, regardless of the manufacturer or seller of the products.

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 25:

Please produce a true and correct copy of all documents, correspondence or communications pertaining to all marketing, sales, negotiations, delivery or distribution of all of your asbestos-containing or industrial insulation products to all Defendants to this lawsuit other than the answering Defendant.

RESPONSE: See Exhibit 1.

REQUEST FOR PRODUCTION NO. 26:

Please produce a true and correct copy of all documents memorializing or referring, relating or pertaining to communications or correspondence among and/or between your officers, director, agents, representatives, employees or consultants and any employer, purchaser or user of your asbestos-containing products, its officers, directors, agents, representatives, employees or consultants which in any way relates, refers or pertains to asbestos, asbestos-containing products, pneumoconiosis, asbestos-related illness, injury or disease, dust or workplace health or safety.

RESPONSE: See Exhibit 1.

REQUEST FOR PRODUCTION NO. 27:

Please produce a true and correct copy of all annual reports of Defendant to employees or stock holders for the years 1960 through 1969 and for the past five years.

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 28:

Please produce the originals or true and correct copies of all safety or health manuals, pamphlets or brochures issued by Defendant between 1930 and the present and any documents relating to whom said manuals were issued.

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 29:

Please produce a true and correct copy of all safe workplace practices manuals, pamphlets or brochures issued by Defendant from 1900 through the present.

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 30:

Please produce a true and correct copy of all documents referring, relating or pertaining to the Industrial Health Foundation or the Industrial Hygiene Foundation in the custody, possession or control of Defendant.

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 31:

Please produce a true and correct copy of all documents referring, relating or pertaining to the Trudeau Institute and Saranac Lake Laboratory in the custody, possession or control of Defendant.

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 32:

Please produce a true and correct copy of all documents referring, relating or pertaining to the Quebec Asbestos Mining Association (QAMA) in the custody, possession or control of Defendant.

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 33:

Please produce a true and correct copy of all documents referring, relating or pertaining to the National Insulation Manufacturers Association (NIMA) in the custody, possession or control of Defendant.

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 34:

Please produce a true and correct copy of all documents referring, relating or pertaining to the Thermal Insulation Manufacturers Association (TIMA) in the custody, possession or control of Defendant.

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 35:

Please produce a true and correct copy of all documents relating to any conferences, symposia, or meetings attended by any of your officers, physicians, agents, servants, employees or consultants which in any way considered, discussed, reviewed or made recommendations concerning asbestos-related illness, injury or disease; pneumoconiosis; occupational lung disease; dust; industrial hygiene; and/or worker or workplace health or safety.

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 36:

Please produce a true and correct copy of all documents to and/or from Defendant and any person, organization, institution, laboratory, foundation, corporation, entity, board or consultants which refer, relate or pertain to air quality studies, dust counts or dust studies, alleged maximum allowable concentrations (MAC), alleged threshold limit values (TLV) or protection of your employees or any other employees or persons from actual or alleged hazards associated with asbestos exposure.

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 37:

Please produce a true and correct copy of all documents to and/or from Defendant and

any person, organization, institution, laboratory, foundation, corporation, entity, board or consultants which refer, relate or pertain to air quality studies, dust counts or dust studies, alleged maximum allowable concentrations (MAC), alleged threshold limit values (TLV) or protection of your employees or any other employees or persons.

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 38:

Please produce a true and correct copy of all documents to and/or from Defendant involving any physician, industrial hygienist or public health specialist which in any way relates, refers or pertains to asbestos-related injury, illness or disease, pneumoconiosis, occupational lung disease, dust, industrial hygiene or worker or workplace health or safety.

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 39:

Please produce a true and correct copy of all photographs, pictures, prints or any visual depiction at any time generated showing workers or any person or persons installing, applying, removing or in any manner handling or utilizing an asbestos-containing product at any time manufactured, sold or distributed by Defendant.

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 40:

Please produce a true and correct copy of all documents pertaining to the acquisition, purchase or sale by Defendant of any asbestos-containing product manufacturing facility or asbestos-containing product or product line.

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 41:

Please produce a true and correct copy of all documents pertaining to the acquisition, purchase or sale by Defendant of any asbestos-containing product from any other Defendant in this case or to any other Defendant in this case.

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 42:

For each and every affirmative defense asserted in Defendant's Answer to Plaintiffs' Complaint, the cross-claims or counter-claims of any party against Defendant, produce each and every document which will be offered to prove each and every affirmative defense. For each and every allegation of Defendant in cross-claim(s) asserted by Defendant in this litigation, produce each and every document which will be offered to prove each and every allegation in Defendant's cross-claim(s).

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 43:

Please produce a true and correct copy of every transcript of testimony of each witness Defendant intends to call at trial.

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 44:

Please produce a true and correct copy of each and every medical record in the custody, possession or control of Defendant relating to Plaintiffs in this case other than those medical records produced by Plaintiffs and provided to Defendants in this case.

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 45:

Please produce a true and correct copy of each and every document or other tangible item upon which Defendant will rely for impeachment or rebuttal purposes in the trial of this matter.

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 46:

Please produce a true and correct copy of each and every document, recording or other tangible item that constitutes in whole or in part a statement by Plaintiffs or a statement by any of Plaintiffs' witnesses in this matter.

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 47:

Please produce a true and correct copy of each and every photograph, videotape recording or other tangible item that is a photographic representation of Plaintiffs in this matter.

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 48:

Please produce a true and correct copy of all work records or other tangible items relating to Plaintiffs or their employers.

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 49:

Please produce a true and correct copy of every transcript, affidavit or sworn statement by

each and every witness called by Defendant in any litigation related to insurance that may cover the claims in this case.

RESPONSE: No such documents are available.

REQUEST FOR PRODUCTION NO. 50:

For each document for which any privilege is asserted, produce an index containing the following information:

(a) Author of document;

(b) Position, title or affiliation of author;

(c) Date of document;

(d) Each recipient of the document

(e) The position, title or affiliation of each recipient of the document;

(f) The subject matter of the document with sufficient specificity to determine the matters discussed therein; and

(g) The privilege(s) asserted.

RESPONSE: Not applicable.

REQUEST FOR PRODUCTION NO. 51:

If Defendant claims that the documents are too voluminous to produce as requested, provide the following:

(a) The numerical amount of documents responsive to requests herein;

(b) The method of storage of documents responsive to requests herein;

(c) The method of organzation of documents responsive to requests herein;

(d) The location of documents responsive to requests herein;

(e) Whether there is an index or indices, lists, inventories, or other such information for records responsive to requests herein;

(f) If there is an index, indices, lists, inventories or other such information for records responsive to requests herein, whether such index, indices, lists, inventories or other such information for records responsive herein is printed, or electronically stored, (i.e. listed in a computer, imaged, part of a database, etc.).

(g) If the index, indices, lists, inventories or other such information for records responsive to requests herein, whether such index, indices, lists, inventories or other such information for records responsive herein is electronically stored, (i.e. listed in a computer, imaged, part of a database, etc.), the method of such storage and software used to create and/or maintain said an index, indices, lists, inventories or other such information for records responsive to requests herein, whether such index, indices, lists, inventories or other such information for records responsive herein.

RESPONSE: Not applicable.

REQUEST FOR PRODUCTION NO. 52

If any answer to requests herein is subject to an ongoing investigation or continuing discovery, provide the following information:

(a) The person or persons responsible for the ongoing investigation or continuing discovery;

(b) The means or methods used or being used for the ongoing investigation or continuing discovery;

(c) The beginning date of such ongoing investigation or continuing discovery.

RESPONSE: Not applicable.

Daniel J. Michalec
Attorney for F.D. Lawrence Electric Co.

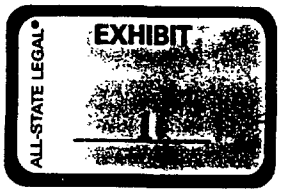
Certificate of Service

I hereby certify that a copy of the foregoing responses has been transmitted by U.S. Mail to Ladd R. Gibke, Esq., Baron & Budd, P.C., 3102 Oak Lawn Avenue, Suite 1100, Dallas, Texas 75219; and to Susan L. Bozorth, Esq., Baron & Budd, P.C., 30 Overlook Blvd., Suite F, Monroe, Ohio 45050 this 21st day of November, 2001.

Daniel J. Michalec

EXHIBIT A
BARON & BUDD SITE LIST

Queen City Steel, Cincinnati, Ohio
Ford Motor Company, Sharonville, Ohio



THE F. D. LAWRENCE ELECTRIC CO.

Catalog No. 100

Telephone CHerry 6800

General Offices and Warerooms:

217-219 West Fourth Street 216-218 McFarland Street

CINCINNATI 2, OHIO

INTRODUCTION

In compiling our Catalog Number 100, we have attempted to publish a book that will be of real service to the entire electrical trade and are confident you will find it to be so. As is customary, the list prices shown are up to date at the time of going to press, but are in no way to be considered as quotation, as constantly changing of markets precludes the printing of dependable figures. We are always pleased to quote up-to-the-minute prices and terms.

As it is impossible to list in complete detail all items of every manufacturer for whom we act as distributor, we will gladly furnish special catalogs, bulletins, etc., upon request, of the items and lines not described or shown in this catalog.

We respectfully solicit your business, with the promise that we will keep abreast with the ever changing conditions, giving you the quality, service and price that is consistent with good business.

INDEX

A

Page

Ackerman-Johnson Anchors, Screw 446, 447
Bolts, Expansion 446
Bolts, Toggle 447
Acorn Receptacles, Flush....230
Switches, Toggle 258
Adaptabels, Edwards 389
Adapter Sockets, Adjustable Angle, Bryant 204
Straps, Socket, Benjamin 424
Adapters, Angle, Bryant....204
Conduit, T & B....49
Condulet, Obround 56
Duct, Nepcoduct 135
Fused, Duplex, Hubbell....225
Insulating, P&S-Despard 266
Plug, Hubbell 225
Plug, Polarized, Hubbell 241
Receptacle, Hubbell 234
Air Circulators, Emerson....366
Heaters, Radia 464
Alarm Devices, Burglar, Edwards 395
Matting, Floor 395
Systems, Fire, Edwards..393, 394
Aligners, Fixture, Benjamin 424, 425
Allen Benders, Conduit....458
Allen-Bradley Contactors 345
Controls, Pressure 349
Controls, Temperature 349
Heater Elements 351
Relays 345
Relays, Timing 350
Starters, Manual 340
Starters, Resistance 343, 347
Starters, Transformer Type 347
Stations, Control 348
Switches, Limit 348
Switches, Motor Starting 340–343, 346
Switches, Pressure 349
Switches, Reversing 344, 346
Allis-Chalmers Transformers ..333
Aluminum Sockets, Bryant....211
American Conduit, Sealtite....9
American Beauty Heater Cord 168
Irons, Flat 464
Irons, Soldering 362
American Blower Fans, Attic..373
Fans, Ventura 373–379
Ammeters, Clamp, Weston....331
Portable, Weston 330
Switchboard, Weston 331
Anchors, Screw, Ackerman-Johnson 446, 447
Annunciators, Edwards 389, 390
Hospital, Edwards 393
Annunciettes, Edwards 390
Apartment House Telephones, Edwards 396
Appleton Clamps, Conduit....23
Clips, Cable 23
Reelites, Portable 427, 428
Reels, Retract-O 428
Straps, Cable 23

Page

Appliance Lamps, Home, G-E 405
Plugs, Hemco 220
Arktite Cable Connectors....80
Receptacle Housings 81–83
Armature Gauges, Air Gap, Ideal 358
Armor Cutters, Ideal....453
Armored Cable, National....31
Cable, Ovalflex 29
Cord, Lamp, National....31
Wire, Ground, National....31
Asbestoment, J-M 199
Asbestos Ebony, J-M....198
Mill Board, J-M....198
Paper, J-M 198
Roll Board, J-M....198
Tapes, J-M 198, 199
Tubing, Braided, J-M....199
Yarns, J-M 199
Attachment Plug Bodies, Bryant 219
Plug Caps, Bryant 218
Plug Caps, Hubbell 221, 222
Plug Caps, P&S-Despard ..266
Plugs, Benjamin 221
Plugs, Bryant 218
Plugs, Hubbell 224
Plugs, Polarized, Hubbell....243
Attachments, Drill, Kett....448
Lock, Switch, Bryant....262
Attic Fans, American Blower..373
Fans, Emerson 369, 370
Auto Fuses, Buss....282, 283
Transformers, Jefferson 335
Automotive Lamps, G-E....411
Aviation Lamps, G-E....409

B

B-M Connectors, E.M.T....6
Couplings, E.M.T. 6
Bags, Glove, Linemen's....460
Ballasts, Fluorescent Lamp, G-E 417, 418
Fluorescent Lamp, Jefferson 419
Bar Hangers, National....39
Solder, Kester 195
Bare Copper Wire, Roebling..170
Bases, Cutout, Fuse, Multi-Union 274, 275
Socket, Fluted-Catch, Bryant 202
Socket, Porcelain, Bryant....207
Batteries, Dry, Columbia....436
Dry, Eveready 436
Flashlight, Eveready 435
Flashlight, Ray-O-Vac 435
Hot Shot, Eveready....436
Ignition, Ray-O-Vac 436
Lantern, Eveready 435
Lantern, Ray-O-Vac 436
Penlight, Ray-O-Vac 435
Photoflash, Ray-O-Vac 436
Telephone, Ray-O-Vac 436
Battery Switches, Hubbell....259
Beam Clamps, Kindorf....25, 26

Page

Bell Pushes, P&S-Despard....267
Ringing Transformers, Edwards 402
Ringing Transformers, Jefferson 403
Bells, Burglar Alarm, Edwards 384
Dixie, Edwards 384
Door, Edwards 383, 384
Economy, Edwards 389
Fire Alarm, Edwards....389
Flush, Edwards 383
Lungen, Edwards 384
Monitor, Edwards 383
Nubel, Edwards 384
Signaling System, Edwards 389
Single Stroke, Edwards....389
Vibrating, Edwards 389
Bench Grinders, Cincinnati....356
Benco Sockets, Benjamin....420
Benders, Bus-Bar Greenlee....456
Conduit, Allen 458
Conduit, Greenlee 457, 458
Conduit, Steel City 458
Conduit, T & B....7, 458
Electrical Metallic Tubing, Republic 5
Electrical Metallic Tubing, T & B....7
Tube, Hossfeld 5
Bends, Conduit, Fibre, L-M....438
Benjamin Aligners, Fixture 424, 425
Buzzers, Industrial 382
Buzzers, Mine 382
Cord Grip, Strain Relief 421, 425
Cross-Arms 426
Fittings, Pole 426
Fittings, Suspension 426
Fixture Parts 426
Goosenecks 426
Hangers, Adjustable 425
Holders, Reflector 420
Howlers, Industrial 381
Outlet Box Fittings....420
Plugs, Attachment 221
Push Buttons, Heavy Duty..401
Reflector Fittings, Type X....424
Relays, Master 403
Signals, Industrial 381, 382
Sirens, Industrial 382
Socket Extensions 221
Socket Reducers 221
Sockets, Mogul 423, 424
Sockets, Porcelain 421–424
Sockets, Reflector Fixture 420–424
Sockets, Self-Locking 422
Sockets, Shock-Absorbing 421–423
Sockets, Weatherproof 420
Suspension Fittings 425, 426
Suspensions, Stem 425
Birdseye Reflector Lamps....414
Blades, Saw, Hack....451
Blank Plates, Bryant....258

Page

Blank Plates, Hubbell 251, 252
Blankets, Rubber Linemen's 461
Blanks, Duct End, Nepcoduct .. 134
Blocks, Connecting, Bryant 217
Connection, Condulet 70
Fuse, Condulet 70
Push Button, Edwards 400
Terminal, National 171, 172
Blow Torches, C & L 462
Bodies, Connector, Bryant 219
Plug, Attachment, Bryant 219
Socket, Bakelite, Bryant 204
Socket, Composition, Bryant 203
Socket, Electrolier, Bryant .. 203
Socket, Fluted-Catch, Bryant 202
Socket, Intermediate Base, Bryant 205
Socket, Porcelain, P & S 214
Socket, Threaded-Catch, Bryant 202
Bolts, Expansion, Ackerman, Johnson 446
Toggle, Ackerman, Johnson .. 447
U, Steel, O.Z. 12
Bondnuts, National 11
Borers, Wood, Kett 448
Boring Machines, Hykon 449
Machines, Ideal 448
Box Connectors, B-M 6
Connectors, National 34, 35
Connectors, T & B 32
Covers, Conduit, National 36–37
Covers, Flush Devices, National 41
Covers, Metal, P&S-Despard 267
Covers, Outlet, Porcelain .. 189
Covers, Outlet, Bakelite, Union 43
Fittings, Outlet, Benjamin .. 420
Supports, Switch, National .. 41
Boxes, Cable, Mounted, National 39
Cable, National 38, 39
Cast Iron, T & B 50, 51
Ceiling, National 36
Concrete, National 38
Conduit, National 36
Cutout, Isert 44, 45
Floor, National 108
Floor, Gang, T & B 108
Floor, T & B 107
Flush Device, National 41
Gang, National 42
Junction, National 172
Junction, Nepcoduct 136
Junction, Surfex, P & S 214
Junction, T & B 50, 51
Meter, Square D 305
Outlet, National 36
Outlet, Union 42
Pull, Isert 46, 47
Stuffing, Crouse-Hinds 89
Switch, National 40, 41
Switch, Union 42
Brackets, Wire, National 440
Breakers, Circuit, Bryant 353
Circuit, Square D 300–302
Service Entrance, Square D 299
Breather Valves, Crouse-Hinds 104
Briegel Tools, E.M.T. 6
Brush Seater, Ideal 358
Brushes, Carbon, National 353

Page

Bryant Adapters, Angle 204
Blocks, Connecting 217
Bushings, Socket 217
Buttons, Bell Push 254
Caps, Plug Attachment 218
Caps, Plug, Motor 218
Chain, Socket 217
Circuit Breakers 353
Connector Bodies 219
Connectors, Cord 219
Cord Sets 220, 221
Cord Sets, Cube Tap 221
Fixtures, Weatherproof 211
Fuseless Plug, Neutral Wire 284
Hemco Devices 219, 220
Lampholders, Aluminum 211
Lampholders, Bi-Post 207
Lampholders, Fluorescent .. 208
Lampholders, Insulated Systems 228
Lampholders, Lumiline 207
Lampholders, Weatherproof 211
Links, Insulating 217
Links, Splicing 217
Lock Attachments, for Switches 262
Outlet and Pilot 228
Outlet and Switch 228
Outlet, Pilot and Switch 228
Outlets, Clock Hanger 229
Outlets, Convenience 227, 228
Outlets, Double, Porcelain .. 204
Outlets, Fan Hanger 228
Outlets, Floor 229
Outlets, Outdoor 229
Outlets, Radio 229
Outlets, Weatherproof 229
Plate Symbols 225
Plates, Blank 253, 254
Plates, Bell Push 254
Plates, Combination 253
Plates, Convenience Outlet 253, 254
Plates, Steel 253
Plates, Switch, Push 253, 256
Plates, Switch, Tumbler 253, 254
Plates, Telephone 253, 254
Plug Bodies, Attachment 219
Plugs, Attachment 218
Plugs, Switch 220
Receptacles, Candelabra 205, 206
Receptacles, Cleat 206, 209, 210, 213
Receptacles, Flush 228, 229
Receptacles, Intermediate Base 205
Receptacles, Marine 217
Receptacles, Miniature 206
Receptacles, Outdoor 229
Receptacles, Outlet Box 209–210, 212, 219
Receptacles, Pin Type 230
Receptacles, Porcelain 205, 209–213, 219
Receptacles, Prefocusing Lamp 205
Receptacles, Screw Plug 229
Receptacles, Sign 205, 210
Receptacles, Street Hood .. 210
Receptacles, Watertight 217
Reducers, Socket 215
Rings, Fixture 217
Rosettes, Porcelain 273
Shadeholders 211, 217

Page

Bryant Socket Bases, Fluted-Catch 202
Socket Bases, Porcelain 207
Socket Bodies, Bakelite 204
Socket Bodies, Composition 203
Socket Bodies, Electrolier 203
Socket Bodies, Fluted-Catch 202
Socket Bodies, Intermediate Base 205
Socket Bodies, Porcelain .. 206
Socket Bodies, Threaded-Catch 202
Socket Caps, Bakelite 204
Socket Caps, Composition .. 203
Socket Caps, Electrolier 203
Socket Caps, Fluted-Catch 202
Socket Caps, Intermediate Base 204
Socket Caps, Porcelain 207
Socket Caps, Threaded-Catch 202
Sockets, Adapter, Adjustable Angle 204
Sockets, Aluminum 211
Sockets, Angle 204
Sockets, Candelabra 205
Sockets, Candle 204
Sockets, Electrolier 203
Sockets, Fluted-Catch 203
Sockets, Intermediate Base .. 205
Sockets, Mogul 213
Sockets, Plug 220
Sockets, Plug-In Pull 204
Sockets, Porcelain 213
Sockets, Prefocusing, Lamp 206
Sockets, Removable Ring .. 203
Sockets, Starter 208
Sockets, Twin 204
Sockets, Wall 203
Sockets, Weatherproof 205, 211–213
Starters, Fluorescent Lamp .. 208
Sub-Bases, Porcelain 273
Switch Handles 262
Switch Keys 262
Switch Mechanisms, Replacement 256
Switch, Outlet and Pilot 228
Switches, Canopy 263
Switches, Car Lighting 256
Switches, Cord 219
Switches, Door 273
Switches, Entrance 274
Switches, Expulsion Type 217, 256
Switches, Heater 262
Switches, Marine 256
Switches, Pendent 263
Switches, Pull 263
Switches, Push 247
Switches, Range 262
Switches, Rotary, Electrolier 261
Switches, Rotary, Surface 260–262
Switches, Tumbler, Flush 228, 247, 249
Switches, Tumbler, Surface 260
Taps, Current 219
Wiring Diagrams 264
Bulbs, Rectigon, Westinghouse 416
Bulldog Bustribution Duct, Plug-In 139, 140

Page

Bulldog Switches, Safety....288–291
Trol-E-Duct 141, 142
Wire Grips 183

Bulldog Panelboards and Cabinets. Complete catalog will be furnished upon request.

Bull's Eye Jewels, Hubbell..... 259
Bunghole Lamps, ProTex..... 431
Lamps, VaproTex 431
Burglar Alarm Devices, Edwards 395
Burndy Clamps, Bus Bar..... 176
Clips, Cable 174
Connectors 173–177
Hylugs 178
Terminals, Current Transformer 176
Bus Bar Clamps, Burndy..... 176
Bushings, Bakelite, O.Z..... 16
Bakelite, Union 14
Capped, T & B..... 11
Conduit, T & B.....11, 15
End, Crouse-Hinds 89
End, T & B..... 15
Fibre, Anti-Short 31
Grounding, Brass 9
Grounding, O. Z. 22
Grounding, T & B..... 21
Groundulet, C-H 20
Insulated, National 14
Insulated, O. Z. 16, 22
Insulated, Union 14
Metallic, Insulated, T & B.... 14
National 11
Porcelain, Federal 191
Porcelain, Minerallac 24
Porcelain, Square D 49
Porcelain, T & B..... 191
Porcelain, Union 191
Socket, Bryant 217
Buss Clip-Clamps, Fuse..... 284
Fuse Links, Renewal..... 276
Fuses, Auto 282, 283
Fuses, Enclosed 275, 276
Fuses, Glass Tube 282, 283
Fuses, Link 283
Fuses, Midget 275
Fuses, Plug 281
Fuses, Radio 283
Fuses, Tap 275
Fustats 281
Fusetrons 281, 282
Reducers, Fuse 284
Strip, Fuse 284
Wire, Fuse 284
Bustribution Duct, Plug-In, Bulldog 139, 140
Buttons, Push, Bell, Bryant.... 254
Push, Edwards 400, 401
Push, Elevator Call 399
Push, Entrance, Edwards .. 399
Push, Heavy Duty, Benjamin 401
Push, Luminous, Nutone 399
Buzzers, Dixie, Edwards..... 384
Flush, Edwards 383
Industrial, Benjamin 382
Lungen, Edwards 384
Mine, Benjamin 382
No-Contact, Edwards 384

C

C-D Capacitors, Power-Factor 327
C & L Fire Pots..... 463
Melting Ladles 463
C & L Melting Pots..... 463
Torches 462
Cabinets, Current Transformer, Square D..... 305
Fuse, Square D..... 317
Panel, Square D..... 326
Steel, Isert 44–48
Cable, Apparatus, Flexible..... 153
Apparatus, Rockbestos 167
Armored, National 31
Armored, Ovalflex 29
Boiler Room, Rockbestos.... 166
Building, National 146, 147
Building, Roebling 156–158
Control, Rockbestos 166
Entrance, Service, National 147
Extra Flexible, Rockbestos.. 167
Heating, Rockbestos 164
Indestructo, National 149
Lead Covered, National..146, 147
Metallic, Flexlay 150, 151
Motor Lead, Rockbestos..... 166
Neoprene Sheathed, National 149
Non-Metallic, Flexlay 151, 152
Okoglass 163
Okonite 159, 160
Portable, Hazard 163
Power, Rockbestos 165, 166
Rheostat, Rockbestos 165
Sheathed, Non-Metallac, National 155
Sheathed, Non-Metallac, Roebling 156
Slow-Burning, Roebling 169
Switchboard Hinge, Rockbestos 166
Underground, Okosheath 161
Varnished Cambric, National 153, 154
Weatherproof, Roebling 169
Cable Boxes, Mounted, National 39
Boxes, National 38, 39
Clamps, Burndy 176
Clamps, Marchand 192
Clamps, Minerallac 24
Clips, Appleton 23
Clips, Burndy 174
Clips, T & B..... 23
Connectors, Arktite 80
Connectors, Burndy 173, 177
Connectors, Crouse-Hinds 17, 85, 88, 89
Connectors, National 34, 35
Connectors, T & B..... 19, 32, 33, 181
Cutters, Ideal 453
Cutters, Wiss 453
Fittings, Armored, Ovalflex 29, 30
Grips, Kellems 455
Hangers, Minerallac 24
Insulation, J-M 199
Insulets, T & B..... 18
Lubricant, Y-Er Eas..... 200
Pullers, Greenlee 454
Racks, Fletcher 443
Ripper, Ideal 453
Ripper, National 453
Sheath Splitting Knives, Klein 450
Splicing Kit, G & W..... 200
Straps, Appleton 23
Straps, Messenger, Minerallac 24
Straps, T & B..... 19
Supports, O. Z. 194
Cable Taps, Burndy.....174, 175
Taps, T & B..... 180
Terminators, Delta-Star 338
Cablemen's Saws 450
Call Systems, Nurses', Edwards 392, 393
Candelabra Receptacles, Bryant 205, 206
Sockets, Bryant 205
Candle Sockets, Bryant..... 204
Canopies, Fixture, Condulet.... 92
Canopy Switches, Bryant..... 263
Switches, Levolier 271
Canvas, Oiled, Empire..... 201
Capacitors, Power-Factor, C-D 327
Capped Bushings, T & B..... 11
Caps, Attachment Plug, Bryant 218
Entrance, Crouse-Hinds 17
Entrance, T & B.....7, 18, 19
Fusible, Hubbellock 239
Fusible, Twist-Lock, Hubbell 237
Plug, Cord-Grip, Hubbell 222, 241, 244
Plug, Hubbell 221, 222
Plug, Motor, Bryant 218
Plug, P&S-Despard 266
Plug, Polarized, Hubbell 241–244, 246
Plug, Rubber, ProTex 226
Plug, Rubber, Safeway 226
Plug, Twist-Lock, Hubbell 233, 235, 236
Radio Outlet, Hubbell..... 232
Socket, Bakelite, Bryant 204
Socket, Composition, Bryant 203
Socket, Electrolier, Bryant.. 203
Socket, Fluted-Catch, Bryant 202
Socket, Intermediate Base, Bryant 204
Socket, Porcelain, Bryant .. 207
Socket, Porcelain, P & S.... 214
Socket, Threaded-Catch, Bryant 202
Carboloy Drills, Masonry..... 450
Carbon Brushes, National..... 353
Lamps 415
Cartridge Fuses, Buss.....275, 276
Fuses, Economy 277–280
Fuses, Midget 280
Cast Iron Boxes, T & B..... 50
Ceiling Boxes, National..... 36
Fans, Emerson 367
Cells, Dry, Eveready..... 436
Dry, Ray-O-Vac 435, 436
Photronic, Weston 332
Cement, Commutator, Ideal.... 358
Chain, Socket, Bryant..... 217
Channels, Hanger, Kindorf..... 25
Chase Couplings, Conduit..... 11
Nipples, Conduit 11
Chime Transformers, Edwards 402
Transformers, NuTone 402
Chimette, Nutone 387
Chimes, Door, NuTone.....385–387
Chromalox, Strip 363
Cincinnati Drill Stands..... 355
Drills, Portable 355
Grinders, Bench 356
Grinders, Floor 356
Grinders, Portable 356
Grinders, Tool Post 356
Screw Drivers, Electric..... 355
Tappers, Portable 355

Page

Circline Lamps, G-E 406
Circuit Breaker Condulets, Explosion-Proof 103
Breaker Panelboards, Square D 315, 316
Breakers, Bryant 353
Breakers, Square D 300–302
Circulators, Air, Emerson 366
Clamp-Ammeter, Portable, Weston 331
Clamps, Beam, Kindorf 25, 26
Cable, Burndy 176
Cable, Marchand 192
Conduit, Appleton 23
Bus Bar, Burndy 176
Fuse Clip, Buss 284
Fuse Clip, Ideal 285
Ground, Burndy 177
Ground, Crouse-Hinds 20
Ground, T & B 21
Ground Wire 439
Pipe, Kindorf 26
Pipe, Minerallac 24
Cleaners, Industrial, Ideal 360
Tank Type, Ideal 360
Clearsite Plug Fuses 280
Cleats, Wire, Porcelain 190
Climber Guards, Klein 459
Pads, Klein 459
Straps, Klein 459
Climbers, Linemen's, Klein 459
Clip Clamps, Fuse, Buss 284
Clamps, Fuse, Ideal 285
Clips, Cable, Appleton 23
Cable, Burndy 174
Cable, T & B 23
Fuse, Sherman 285
Fuse, Square D 285
Jiffy, Minerallac 24
Loomwire, National 155
ck Hanger Outlets, Bryant 229
Systems, Centrally-Controlled, Edwards 388
Clock-Chime, Nutone 387
Clocks, Chiming, Nutone 387
Closers, Knockout, Square D 49
Cloth, Oiled, Empire 201
Varnished 201
Colored Lamps, G-E 405
Columbia Dry Batteries 436
Commutator Cement, Ideal 358
Resurfacers, Ideal 357
Tools, Ideal 358
Undercutters, Ideal 358
Compass Saws 450
Compounds, Insulataing, O. Z. 199
Insulating, G & W 199
Sealing, J-M 200
Concrete Boxes, National 38
Insert, Kindorf 26
Conductors, Copper, Bare, Roebling 170
Current Carrying Capacities in Amperes 143
Conduit, Allowable Conductors in 144
Fibre, L-M 438
Flexsteel, National 31
Non-Metallic, Flextube 35
Rigid, Everdur 8
Sealtite, American 9
Steel, Flexible, National 31
Steel, Rigid, National 10
Steelduct 9
Thin-Wall, Electrunite 5
Conduit Benders, Allen 458
Benders, Greenlee 457, 458
Benders, Steel City 458

Page

Conduit Benders, T & B 7, 458
Bends, Fibre, L-M 438
Body Couplings, T & B 35
Box Covers, National 36, 37
Box Repectales, Hubbell 243
Boxes, National 36
Bushings, O. Z. 16
Bushings, T & B 11, 15
Clamps, Appleton 23
Clamps, Minerallac 24
Connectors, Crouse-Hinds 89
Connectors, National 34, 35
Couplings, Chase 11
Couplings, Crouse-Hinds 89
Couplings, Erickson 11
Couplings, Everdur 8
Couplings, National 10, 34
Couplings, Steelduct 9
Couplings, T & B 12, 31
Elbow Former 458
Elbows, Everdur 8
Elbows, National 10
Elbows, Steelduct 9
Elbows, T & B 11, 18
End Bushings, Crouse-Hinds 89
Enlargers, T & B 12
Fittings, B-M 6
Fittings, Entrance, Crouse-Hinds 17
Fittings, Everdur 8
Fittings, Fibre, L-M 438
Fittings, National 11
Fittings, Sealtite 9
Fittings, T & B 7, 11, 12, 18, 35
Hangers, Kindorf 25, 26
Hangers, Minerallac 24
Hangers, T & B 27
Hub Plates 80
Insulets, T & B 18
Locknuts, Reducing, Diamond G 48
Nipples, Chase 11
Nipples, National 10
Pennies, T & B 11
Plates, Hub 88
Reducers, Nepcoduct 135
Reducers, T & B 12
Spacers, T & B 23
Straps, Kindorf 25
Straps, T & B 23
Supports, T & B 27
Tees, Crouse-Hinds 90
Unions, Crouse-Hinds 89
Condulet Adapters, Obround 56
Blocks, Connection 70
Blocks, Fuse 70
Canopies, Fixture 92
Connectors, Explosion-Proof 105
Covers, FD Series 60, 61, 64, 67
Covers, FS Series 60, 61, 64, 67
Covers, Form 8 Series 57
Covers, G-H Series 68, 69
Covers, GRF Series 72
Covers, GS Series 70
Covers, GUA Series 92
Covers, J-K Series 73
Covers, Obround Series 55, 56
Covers, SE Series 72
Covers, SEH Series 72
Covers, SK Series 72
Elbows, Explosion-Proof 90
Fixtures, Midget Guard 69, 70
Fixtures, Reflector 76
Fixtures, Vaportight, GS Series 71
Fixtures, Vaportight, Type ARB 72, 73

Page

Condulet Fixtures, Vaportight, Type VDB 76
Fixtures, Vaportight, Type VXHA 77
Fixtures, Vaportight, V Series 74
Fixtures, Vaportight, VH Series 74, 75
Gaskets, Form 8 Series 57
Gaskets, GRF Series 72
Gaskets, Obround 56
Gaskets, SK Series 72
Hangers, Fixture 70, 73
Pedestals 28
Receptacle Housings 61, 63, 71, 73
Receptacle Plugs 71
Receptacles, G-H Series 69
Receptacles, GS Series 70
Receptacles, J-K Series 73
Receptacles, Obround 56
Receptacles, Plug, Obround 56
Reducers 90
Reflectors, EV Series 97
Rosettes, Cord, J-K Series 73
Rosettes, Cord, Obround 56
Unions 89
Unions, Explosion-Proof 105
Condulets, AJ Series 80
AL Series 78
AR Series 79
Auxiliary Breaker, FD Series 63
Circuit Breaker, Explosion-Proof 103
CPS Series 93
DL Series 96
Dust-Tight, DL Series 96
EFD Series 99
EFS Series 97–101
EV Series 96
Explosion-Proof 91–104
FA Series 86
FD Series 59, 63–67
FS Series 58, 59, 62–66
Form 8 Series 57
Gauge Lighting, Explosion-Proof 97
G-H Series 67, 68
GRF Series 72
GS Series 69, 70
GUA Series 91, 92
GUF Series 91
GUJ Series 93
Instrument, Explosion-Proof 95
J-K Series 73
Junction, Explosion-Proof 91–94
Junction, RS Series 88
Lighting, Dust-Tight 96
Lighting, Explosion-Proof 96, 97
Lighting, Vaportight 74, 77
Motor Starting, Explosion-Proof 103
Obround Series 52–55
Panelboard, Explosion-Proof 102
Pilot Light, Explosion-Proof 101
Pilot Light, FS-FD Series 62
Push Button Station, FS Series 62
QE Series 85
RS Series 88
Receptacle, Type BRME 85

	Page
Condulets, SE Series	71
Sealing, Explosion-Proof	104
Secondary Breaker, EFS Series	101
SEH Series	71
SK Series	72
Sign, Type CUC	28
Switch, Explosion-Proof	97–101, 103
Switch, Safety	86, 87
Thermostat	86
Transformer, Explosion-Proof	95
Type A	52
Type AJ	80
Type AJC	80
Type AJX	80
Type ALA	78
Type ALC	78
Type ALL	78
Type ALT	78
Type ARD	79
Type ARDF	79
Type ARE	79
Type ARFG	79
Type ARJ	79
Type ARJK	79
Type ARJP	79
Type ARRA	79
Type ARRC	79
Type B	52
Type BRME	85
Type C	52
Type C, Form 8	57
Type CO	54
Type COV	54
Type CUB	54
Type CUC	28
Type DLA	96
Type DLC	96
Type DVP	102
Type E	53
Type E, Form 8	57
Type ECT	95
Type EFS	97, 98
Type EFSC	97, 98
Type EJH	94
Type ELG	97
Type EPC	103
Type ESC	94
Type ETH	95
Type ETR	95
Type EVA	96
Type EVBX	96
Type EVCX	96
Type EVS	96
Type EYS	104
Type EZD	104
Type EZS	104
Type F	52
Type FA	86
Type FAC	86
Type FD	58, 64–66
Type FDA	58, 64, 66, 67
Type FDB	64, 67
Type FDC	58, 64–66
Type FDCA	59
Type FDCC	59
Type FDCT	59
Type FDD	59
Type FDE	64
Type FDL	59
Type FDR	59
Type FDS	64, 66
Type FDT	59
Type FDX	59
Type FHRC	86
Type FS	58, 59, 62, 63, 65, 66
Condulets, Type FS, Double Face	58
Type FSA	58, 64–66
Type FSC	62, 63, 65, 66
Type FSC, Double Face	58
Type FSCA	58
Type FSCC	58
Type FSCT	58
Type FSD	64, 66
Type FSE	63
Type FSL	58
Type FSR	58
Type FSS	58, 64, 65
Type FSQ	86
Type G	67, 68
Type GL	67, 68
Type GRF	72
Type GS	69
Type GSA	69
Type GSB	70
Type GSC	69, 70
Type GSD	70
Type GSE	7 0
Type GSL	69
Type GST	69
Type GSX	69
Type GT	67, 68
Type GU	94
Type GUA	91
Type GUAB	91
Type GUAC	91
Type GUAD	91
Type GUAF	92
Type GUAG	92
Type GUAH	92
Type GUAL	91
Type GUAN	91
Type GUAP	92
Type GUAQ	92
Type GUAT	91
Type GUAW	91
Type GUAX	91
Type GUB	94
Type GUE	94
Type GUFC	91
Type GUFL	91
Type GUFT	91
Type GUFX	91
Type GUJ	93
Type GUJB	93
Type GUJC	93
Type GUJL	93
Type GUJT	93
Type GUJX	93
Type GUP	93
Type GX	68
Type H	67, 68
Type HA	68
Type J	73
Type K	73
Type L	53
Type LB	53
Type LB, Form 8	57
Type LBB	54
Type LBD	56
Type LBH	94
Type LBL	54
Type LBR	54
Type LF	53
Type LFB	54
Type LFT	54
Type LL	53
Type LL, Form 8	57
Type LLB	54
Type LR	53
Type LR, Form 8	57
Type LRB	54
Type LU	54
Condulets, Type QE	85
Type QEE	85
Type SE	71
Type SEC	71
Type SEH	71
Type SEHC	71
Type SEHT	71
Type SEHX	71
Type SET	71
Type SEX	71
Type SK	72
Type SKC	72
Type SKL	72
Type SKT	72
Type SKX	72
Type T	53
Type T, Form 8	57
Type TA	54
Type TB	53
Type TB, Form 8	57
Type U	54
Type V	74
Type VC	74
Type VDA	74, 75
Type VE	74, 75
Type VG	74, 75
Type VH	74
Type VHC	74
Type VHDA	74
Type VHE	74
Type VHG	74
Type VHJ	74
Type VHL	74
Type VHT	74
Type VJ	74, 75
Type VL	74
Type VT	74, 75
Type VX	75
Type WMK	87
Type WMKS	87
Type X	55
Type X, Form 8	57
Type XA	54
V Series	74, 75
VH Series	74
Connecting Blocks, Bryant	217
Connection Blocks, Condulet	70
Connector Bodies, Bryant	219
Covers, Rubber, Hubbell	238
Extensions, T & B	35
Connectors, Angle, Kindorf	25
Box, National	34, 35
Box, T & B	32
Cable, Arktite	80
Cable, Burndy	173–176
Cable, Crouse-Hinds	17, 85, 88, 89
Cable, National	35
Cable, T & B	19, 32, 33, 181
Conduit, Crouse-Hinds	89
Conduit, T & B	12, 32, 33
Condulet, Explosion-Proof	105
Copper Braid, O.Z	23
Cord, Bryant	219
Cord, Hubbell	222, 223
Cord, Hubbellock	239, 240
Cord, Polarized, Hubbell	244, 245
Cord, Rubber; Safeway	226
Cord, Twist-Lock, Hubbell	233–236
Electrical Metallic Tubing, B-M	6
Electrical Metallic Tubing, National	5
Electrical Metallic Tubing, T & B	7
Extension, Cable	85

Page

Connectors, Lampcord, National ... 35
Lock-Tite, T & B ... 181
Loomwire, National ... 155
Nepcoduct ... 134
Self-Threading, Crouse-Hinds ... 89
Service, Burndy ... 177
Solderless, Burndy ... 177
Solderless, Delta-Star ... 338
Solderless, K & H ... 179
Solderless, T & B ... 181, 183
Sta-Kon, T & B ... 182
Watertight, T & B ... 7, 19
Wire, Burndy ... 173–177
Wire, Ideal ... 186
Constant Ringing Drops, Edwards ... 395
Contactors, Allen-Bradley ... 345
Burglar Alarm, Edwards ... 395
Control Cable, Rockbestos ... 166
Station Condulets, Explosion-Proof ... 100
Stations, Allen-Bradley ... 348
Stations, Edwards ... 393
Transformers, Dongan ... 334
Transformers, Jefferson ... 336
Wire, Thermostat, Rockbestos ... 167
Controls, Pressure, Allen-Bradley ... 349
Temperature, Allen-Bradley 349
Convenience Outlet and Switch, Hubbell ... 232
Outlet Plates, Bryant ... 253, 254
Outlet Plates, Hubbell ... 251, 252
Outlets, Bryant ... 227, 228
Outlets, Hubbell ... 230
Outlets, P&S-Despard ... 266
Outlets, Surfex, P & S ... 214
Outlets, Twist-Tite, Hubbell 232
Copper Terminals, Sherman ... 185, 186
Wire, Bare, Roebling ... 170
Copperweld Ground Wire Clamps ... 439
Rods, Ground ... 439
Cord, Flexible ... 155
Flexible, Rockbestos ... 164, 167
Heat-Resisting, Rockbestos ... 164
Heater, American Beauty ... 168
Heater, Rockbestos ... 164
Indestructo, National ... 148
Lamp, Armored, National ... 31
Portable, Hazard ... 163
Portable, National ... 148
Cord Connectors, Bryant ... 219
Connectors, Hubbell ... 22, 223
Connectors, Hubbellock ... 239, 240
Connectors, Polarized, Hubbell ... 241, 244, 245
Connectors, Rubber, Safeway ... 226
Connectors, Twist-Lock, Hubbell ... 233–237
Grips, Benjamin ... 421, 425
Grips, Strain Relief, Benjamin ... 421, 425
Rosettes, Condulet, J-K Series ... 73
Rosettes, Condulet, Obround ... 56
Sets, Cube Tap, Brant ... 221
Sets, Hemco ... 220, 221
Switches, Bryant ... 219
Switches, Hemco ... 219
Switches, Hubbell ... 225

Page

Cord Winder, ProTex ... 431
Country Home Lamps, G-E ... 405
Couplings, Combination, T & B ... 31
Conduit Body, T & B ... 35
Conduit, Chase ... 11
Conduit, Crouse-Hinds ... 89
Conduit, Erickson ... 11
Conduit, Everdur ... 8
Conduit, National ... 10, 34
Conduit, Steelduct ... 9
Conduit, T & B ... 12
Electrical Metallic Tubing, B-M ... 6
Electrical Metallic Tubing, National ... 5
Electrical Metallic Tubing, T & B ... 7
Explosion-Proof, Crouse-Hinds ... 105
Flexible, Crouse-Hinds ... 105
Floor, T & B ... 108
Insulating, O. Z ... 12
Nepcoduct ... 134
Split, O. Z ... 12
Split, T & B ... 35
Watertight, T & B ... 7
Covers, Box, P&S-Despard ... 267
Conduit Box, National ... 36, 37
Condulet, FD Series ... 60, 61, 64–67
Condulet, FS Series ... 60, 61, 64–67
Condulet, Form 8 Series ... 57
Condulet, G-H Series ... 68, 69
Condulet, GS Series ... 70
Condulet, GRF Series ... 72
Condulet, GUA Series ... 92
Condulet, J-K Series ... 73
Condulet, Obround, Series ... 55, 56
Condulet, SE Series ... 72
Condulet, SEH Series ... 72
Condulet, SK Series ... 72
Flush Device Boxes, National ... 41
Outlet Box, Bakelite, Union 43
Outlet Box, Porcelain ... 189
Receptacle, Union ... 43
Rubber, Sealtite, Hubbell ... 238
Switch, Union ... 43
Tubelet, T & B ... 106, 107
Crossarms, Benjamin ... 426
Crouse-Hinds Boxes, Stuffing, Watertight ... 89
Bushings, End, Conduit ... 89
Bushings, Groundulet ... 20
Condulets, AJ Series ... 80
Condulets, AR Series ... 79
Condulets, Dust-Tight ... 96
Condulets, Explosion-Proof ... 91–104
Condulets, FD Series ... 58, 63–62
Condulets, Form 8 ... 57
Condulets, FS Series ... 58, 59, 62–66
Condulets, G-H Series ... 67, 68
Condulets, GRF Series ... 72
Condulets, GS Series ... 69, 70
Condulets, J-K Series ... 73
Condulets, Junction ... 88
Condulets, Lighting, Dust-Tight ... 96
Condulets, Lighting, Explosion-Proof ... 97
Condulets, Lighting, Vaportight ... 74–77

Page

Crouse-Hinds Condulets, Obround Series ... 52–56
Condulets, QE Series ... 85
Condulets, RS Series ... 88
Condulets, SE Series ... 71
Condulets, SEH Series ... 71
Condulets, SK Series ... 72
Condulets, V Series ... 74, 75
Condulets, VH Series ... 74
Condulets, VSW Type ... 86
Condulets, Safety Switch ... 86, 87
Condulets, Sign ... 28
Connectors, Cable ... 17, 85, 88, 89
Connectors, Cable, Arktite ... 80
Connectors, Conduit ... 89
Connectors, Explosion-Proof ... 105
Couplings, Conduit ... 89
Couplings, Explosion-Proof ... 105
Covers, FD Series ... 60, 61, 64–67
Covers, FS Series ... 60, 61, 64–67
Covers, Form 8 ...
Covers, G-H Series ... 68
Covers, GRF Series ... 72
Covers, GS Series ... 70
Covers, J-K Series ... 73
Covers, SE Series ... 72
Covers, SEH Series ... 72
Covers, SK Series ... 72
Covers, Obround Series ... 55, 56
Elbows, Entrance ... 17
Elbows, Explosion-Proof ... 90
Fittings, Entrance ... 17
Fixtures, Midget Guard ... 69, 70
Fixtures, Reflector ... 76
Fixtures, Vaportight ... 71–73
Grounding Equipment ... 20
Groundulets ... 20
Hangers, Fixture ... 69, 70, 73, 78, 79
Hangers, Pipe ... 28
Hub Plates, Conduit ... 88
Lamps, Portable ... 77
Lamps, Portable, Explosion-Proof ... 95, 96
Pedestals, Condulet ... 28
Plugs, Pipe ... 90
Plugs, Receptacle, Type BP 84
Plugs, Receptacle ... 85
Receptacle Housings ... 61, 63, 71, 73, 85
Receptacle Housings, Arktite ... 81–83
Receptacles, Arktite ... 81–83
Receptacles, Lamp ... 69
Receptacles, Plug, Type QE 85
Receptacles, Type AEO ... 83
Receptacles, Type BRME ... 85
Reducers, Condulet ... 90
Reflectors, Fixture ... 76
Tees, Conduit ... 90
Unions, Conduit ... 89
Unions, Explosion-Proof ... 105
Unions, Universal ... 89
Valves, Explossion-Proof ... 104
Current Taps, Bryant ... 219
Taps, Hubbell ... 224
Taps, Signal, Hubbell ... 224
Transformer Cabinets, Square D ... 305
Transformer Terminals, Burndy ... 176
Cutout Bases, Fuse, Enclosed, Multi-Union ... 274, 275
Boxes, Isert ... 44, 45

Page

Cutters, Armor, Ideal 453
B-X, Wiss 453
Cable, Ideal 453
Knockout, Greenlee 449
Milling, Commutator, Ideal 358
Tube, B-M 6

D

Daylight Lamps, G-E.....404–405
Defroster, Refrigerator, Paragon 288
Delta Electric Lanterns..... 434
Flashlight 434
Delta-Star Connectors, Solderless 338
High Tension Equipment.... 338
Switches, Disconnecting 338
Switches, Group-Operated .. 338
Terminators, Cable 338
Demagnetizers, Ideal 359
Desk Fans, Emerson.....364, 365
Pushes, Edwards 399, 400
Dim-A-Lites 272
Diamond G Locknuts, Reducing 48
Seals, Knockout 48
Disconnecting Switches, Delta-Star 338
Distribution Panelboards, Square D 320–325
Systems, Power, Bulldog 139–142
Transformers, Allis-Chalmers 333
Dixie Floor Treads..... 400
Dongan Transformers 334
Door Chimes, NuTone.....385–387
Openers, Edwards 393
Springs, Burglar Alarm, Edwards 395
Switches, Bryant 273
Switches, Hubbell 272
Trips, Burglar Alarm, Edwards 395
Doorbell Transformers, Edwards 402
Doorbells, Edwards 384
Dragon Tapes, Friction..... 197
Tapes, Rubber 197
Drain Valves, Crouse-Hinds.... 104
Dressers, Hardwood 450
Drops, Constant Ringing, Edwards 395
Drill Attachment, Kett..... 448
Stands, Cincinnati 355
Drills Carboloy 450
Portable, Cincinnati 355
Dry Batteries, Columbia..... 436
Batteries, Eveready 436
Drying Lamps, G-E..... 408
Duck, Oiled, Empire..... 201
Duct, Bustribution, Bulldog 139, 140
Square D 138
Trol-E, Bulldog 141, 142
Duct Adapters, Nepcoduct..... 135
Fittings, Square D.....137, 138
Systems, Underfloor, National 134–136

E

Ebony, Asbestos, J-M..... 198
Economy Fuse Links, Renewal 278–280

Page

Economy Fuses, Cartridge 277–280
Fuses, Midget 280
Fuses, Plug, Clearsite 280
Fuses, Plug, Renewable 280
Edwards, Adaptabels 389
Alarm Devices, Burglar 395
Alarm Systems, Fire 393, 394
Annunciators 389, 390
Annunciettes 390
Bells, Burglar Alarm 384
Bells, Door 384
Bells, Dixie 384
Bells, Economy 389
Bells, Fire Alarm 389
Bells, Lungen 384
Bells, Monitor 384
Bells, Nubel 384
Bells, Signaling System 389
Bells, Single Stroke 389
Bells, Vibrating 389
Blocks, Push Button 400
Buzzers 383
Buzzers, Dixie 384
Buzzers, Lungen 384
Buzzers, No-Contact 384
Clock Systems, Centrally-Controlled 388
Contactors, Burglar-Alarm .. 395
Door Bells 384
Drops, Constant Ringing..... 395
Flushcall Devices 383
Horns 383
Horns, Screech 383
Howlers 383
Lokator Systems 391
Nurses' Call Systems.....392, 393
Openers, Door 393
Plates, Push Button..... 398
Push Buttons 400, 401
Push Buttons, Elevator Call 399
Push Buttons, Entrance 399
Pushes, Card-Holder Type .. 398
Pushes, Desk 399, 400
Pushes, Entrance 398–400
Pushes, Return Call 401
Pushes, Screwless 398
Pushes, Watertight 401
Receptaplugs 400
Relays, Burglar Alarm..... 395
Sirens 382
Springs, Burglar Alarm..... 395
Stations, Control 393
Stations, Emergency 394
Stations, Fire Alarm 394
Telephone Systems, Intercommunicating 397
Telephones, Apartment House 396
Transformers, Chime 402
Transformers, Doorbell 402
Transformers, Signaling 402
Traps, Burglar Alarm..... 395
Treads, Floor 400
Elbow Formers, Conduit..... 458
Elbows, Bushed, T & B..... 107
Capped, T & B..... 18
Conduit, Everdur 8
Conduit, Fibre, L-M 438
Conduit, National 10
Conduit, Steelduct 9
Electrical Metallic Tubing.. 5
Entrance, Crouse-Hinds 17
Explosion-Proof, Condulet .. 90
Nepcoduct 135
Watertight, T & B..... 7
Electrical Metallic Tubing, Everdur 8

Page

Electrical Metallic Tubing, National 6
Metallic Tubing, Republic.... 5
Electricians' BX Saw..... 451
Knives 451
Scissors 451
Snips 452
Electrolier Sockets, Bryant..... 203
Switches, Rotary, Bryant.... 261
Electronic Timing Relays, Allen-Bradley 350
Electrunite Electrical Metallic Tubing 5
Elements, Heater, Allen-Bradley 351
Ells, Entrance, T & B.....7, 18
Emerson Circulators, Air..... 366
Fans 364–372
Fans, Ceiling 367
Fans, Cooler 369, 370
Fans, Desk 364–365
Fans, Exhaust 370–372
Fans, Low Table 365
Fans, Marine 367
Fans, Ventilating 368
Motors 339
Shutters, Fan 371, 372
Ventilators, Kitchen 368
Ventilators, Window 368–370
Empire Oiled Canvas..... 201
Oiled Cloth 201
Oiled Duck 201
Oiled Silk 201
Enclosed Fuse Cutout Bases, Multi-Union 274, 275
Fuses, Buss 275, 276
Fuses, Economy 277–280
Switches, Bryant 274
Switches, Bulldog 288–291
End Bushings, Crouse-Hinds .. 89
Bushings, Insulated, Union.. 14
Fittings, O.Z. 16
Enlargers, Conduit, T & B..... 12
Entrance Breakers, Service, Square D 299
Cables, National 147
Caps, T & B.....7, 18, 19
Ells, T & B.....7, 18
Fittings, Crouse-Hinds 17
Fittings, T & B.....18, 19
Switches, Square D..... 304
Erickson Couplings, Conduit.. 11
Everdur Conduit 8
Eveready Batteries, Dry..... 436
Batteries, Flashlight 435
Batteries, Hot Shot 436
Batteries, Lantern 435
Dry Cells 436
Flashlights 432
Lenses, Flashlight 435
Exhaust Fans, Emerson....370–372
Expansion Bolts, Ackerman-Johnson 446
Fittings, O.Z. 12
Explosion-Proof Condulets..91–104
Connectors, Crouse-Hinds .. 105
Couplings, Crouse-Hinds 105
Elbows, Crouse-Hinds 90
Lamps, Crouse-Hinds 95, 96
Panelboards, Crouse-Hinds.. 102
Unions, Crouse-Hinds 105
Valves, Crouse-Hinds 104
Extension Rings, Box, National 36
Extensions, Connector, T & B 35
Socket, Benjamin 221

F

Page

Fan Hanger Outlets, Bryant.... 228
Hanger Outlets, Hubbell..... 231
Shutters, Emerson 371, 372
Fans, Attic, American Blower 373
Attic, Emerson 369, 370
Ceiling, Emerson 367
Cooler, Emerson 369, 370
Desk, Emerson 365
Emerson 364–372
Exhaust, Emerson 370, 372
Floor, Emerson 364–365
Marine, Emerson 367
Ventilating, Kitchen, Emerson 368
Ventura, American Blower 373–379
Federal Bushings, Porcelain.... 191
Feed-Wire Holders, Fletcher 444, 445
Fiber Conduit, L-M..... 438
Files, Slotting, Commutator, Ideal 358
Fire Alarm Bells, Edwards..... 389
Alarm Howlers, Benjamin .. 381
Alarm Systems, Edwards 393, 394
Pots, C & L..... 463
Fish Paper and Mica..... 201
Tape Pullers, Klein 454
Tape Reels and Pullers, Ideal 454
Tape, T & B..... 453
Tapes, Ideal 454
Fittings, Cable, Sheathed, Non-Metallic 155
Conduit, Everdur 8
Conduit, Fibre, L-M 438
Conduit, Sealtite 9
Conduit, T & B....7,11, 12, 18, 35
Electrical Metallic Tubing, B-M 6
Electrical Metallic Tubing, National 6
End, O.Z. 16
Entrance, Crouse-Hinds 17
Entrance, T & B..... 19
Expansion, O. Z..... 12
Flordurt, National 128, 129
Ground, T & B..... 21
Loomwire 97
Metal Molding, National 123–127
Nepcoduct 134–136
Ovalduct 29, 30
Plug-In Strip, National..132, 133
Pole, Benjamin 426
Raceway, Wiremold 112–120
Square-Duct 137, 138
Surfaceduct, National 130, 131
Suspension, Benjamin ..425, 426
Xtensionduct, National 122
Fixture Aligners, Benjamin 424, 425
Canopies, Condulet 92
Condulets, Lighting, Dust-Tight 96
Condulets, Lighting, Explosion-Proof 96, 97
Extension, Steel City..... 13
Fittings, Benjamin 426
Hangers, Condulet 69, 70, 73, 78, 79
Hangers, T & B..... 426
Rings, Bryant 217
Sockets, Reflector, Benjamin 420–424
Studs, National 13

Page

Fixture Studs, Steel City..... 13
Studs, T & B..... 13
Wire, Heat-Resisting 168
Wire, National 145, 168
Wire, Rockbestos 164
Fixtures, Fluorescent, Wiremold 121
Lighting, Haymow, Union.. 43
Midget Guard, Condulet....69, 70
Reflector, Crouse-Hinds 76
Vaportight, Condulet, GS Series 71
Vaportight, Condulet, Type ARB 72, 73
Vaportight, Condulet, Type VDB 76
Vaportight, Condulet, Type VXHA 77
Vaportight, Condulet, V Series 74, 75
Vaportight, Condulet, VH Series 74
Weatherproof, Bryant 211
Flashlight Batteries, Eveready 435
Batteries, Ray-O-Vac 435
Lamps, G-E 411
Lens, Eveready 435
Flashlights, Delta 434
Eveready 432
Ray-O-Vac 433
Flat Irons, American Beauty.. 464
Fletcher High Insulation Pins 441
Holders, Feed-Wire 444, 445
Insulators, Tree Type..... 445
Racks, Insulated 443, 444
Flexible Conduit, Steel, National 31
Cord, National 155
Cord, Rockbestos 164, 167
Flexlay Cable, National....150, 152
Flexsteel Conduit, National.... 31
Flextube, National 35
Float Switches, Square D..... 352
Floodlight Lamps, G-E..... 407
Lamps, Sylvania 413
Floor Boxes, Gang, T & B..... 108
Boxes, National 108
Boxes, T & B..... 107
Couplings, T & B..... 108
Duct Systems, Under, National 134–136
Grinders, Cincinnati 356
Matting, Alarm 395
Outlets, Bryant 229
Outlets, Hubbell 231
Pushes, Edwards 440
Treads, Dixie 400
Florduct, National 128
Florduct Fittings, National 128, 129
Fluorescent Lamp Ballasts, G-E 417, 418
Lamp Ballasts, Jefferson 419
Lamp Starters, G-E 416
Lamp Starters, Sylvania..... 416
Lampholders, Bryant 208
Lamps, G-E 406
Lamps, Sylvania 413
Portable Light, Paramount.. 435
Reflectors, Wiremold 121
Strip, Wiremold 120
Units, Wiremold 121
Flushcall Devices, Edwards.... 383
Formers, Elbow, Conduit..... 458
Friction Tape, Dragon..... 197
Tape, Panther 197
Fuse Blocks, Condulet..... 70
Cabinets, Square D..... 317

Page

Fuse Clip-Clamps, Buss..... 284
Clip-Clamps, Ideal 285
Clips, Sherman 285
Clips, Square D 285
Cutout Bases, Enclosed, Multi-Union 274, 275
Links, Renewal, Buss 276
Links, Renewal, Economy 278–280
Puller and Test Light, Ideal 285
Pullers, Ideal 285
Reducers, Buss 284
Reducers, Ideal 285
Strip, Buss 284
Wire, Buss 284
Fuseless Plug, Neutral Wire, Bryant 284
Fuses, Auto, Buss.....282, 283
Cartridge, Economy 277–280
Cartridge, Midget 280
Enclosed, Buss 275, 276
Glass Tube, Buss.....282, 283
Link, Buss 283
Midget, Buss 275
Plug, Buss 281
Plug, Clearsite 280
Plug, Renewable, Economy 280
Radio, Buss 283
Tap, Buss 275
Fusetrons, Buss 281, 282
Fusible Plugs, Hubbell..... 225
Fustats, Buss 281

G

G & W Compounds, Insulating 199
Kit, Cable Splicing..... 200
Potheads 337
G-E Ballasts, Fluorescent Lamp 417, 418
Clocks, Commercial 464
Lamps 404–411
Meters, Light 332
Starters, Fluorescent Lamp 416
Gang Boxes, National..... 42
Gaskets, Condulet, Form 8 Series 57
Condulet, GRF Series 72
Condulet, Obround 56
Condulet, SK Series 72
Gauge Lighting Condulets, Explosion-Proof 97
Gauges, Armature Air Gap, Ideal 358
Germicidal Lamps, G-E..... 408
Glass Insulators, Hemingray.. 442
Plates, Wall, Haring..... 252
Tube Fuses, Buss.....282, 283
Globes, Lamp, Condulet..... 75
Glove Bags, Linemen's..... 460
Protectors, Linemen's 460
Gloves, Rubber, Linemen's..... 460
Goosenecks, Benjamin 426
Greenlee Benders, Bus-Bar..... 456
Benders, Conduit 457, 458
Cutters, Knockout 449
Knockout Tools 449
Pullers, Cable 454
Pump, Power 456
Punches, Knockout 449
Pushers, Pipe 456
Grinders, Bench, Cincinnati.... 356
Floor, Cincinnati 356
Portable, Cincinnati 356
Precision, Ideal 358
Tool Post, Cincinnati..... 356

	Page
Gripon Lamp Guards	429
Grips, Cable, Kellems	455
Cord, Benjamin	421, 425
Wire, Bulldog	183
Ground Clamps, Burndy	177
Clamps, Crouse-Hinds	20
Clamps, T & B	21
Fittings, T & B	21
Plates, T & B	439
Rods, Copperweld	439
Wire, Armored, National	31
Wire Clamps, Copperweld	439
Grounding Bushings, Brass	9
Bushings, O.Z.	22
Bushings, T & B	21
Equipment, Crouse-Hinds	20
Rings, Meter, T & B	19
Straps, Groundulet	20
Wedges, T & B	21
Wire, Appliance, National	168
Groundulet Bushings, C-H	20
Safety Circuit Equipment	20
Groundulets, Crouse-Hinds	20
Growlers, Armature, Ideal	358
Guards, Climber, Klein	459
Lamp, Condulet	75
Lamp, Gripon	429
Lamp, Loxon	429
Lamp, McGill	429
Lamp, Portable, Crouse-Hinds	77
Gutter Taps, T & B	180

H

	Page
Hack Saw Blades	451
Saw Frames	451
Hand Lamps, Crouse-Hinds	77
Lamps, Explosion-Proof, C-H	95, 96
Handles, Switch, Bryant	262
Hanger Flange, Kindorf	26
Loops, T & B	426
Outlets, Fan, Hubbell	231
Hangers, Adjustable, Benjamin	425
Bar, National	39
Cable, Minerallac	24
Conduit, Kindorf	25, 26
Conduit, T & B	27
Disconnect, T & B	427
Fixture, Condulet	69, 70, 73, 78, 79
Fixture, T & B	426
Messenger Cable, Minerallac	24
Pipe, Crouse-Hinds	28
Pipe, Kindorf	25, 26
Pipe, Wedgtite	28
Hardware, Pole Line	437
Hardwood Dresser	450
Turn Pin	450
Haring Plates, Mirror Glass	252
Hazard Cable, Portable	163
Cords, Portable	163
Heads, Service Entrance, T & B	19
Heat Lamps, Birdseye	414
Lamps, Infrared, G-E	408
Heater Cord, American Beauty	160
Cord, Rockbestos	164
Elements, Allen-Bradley	351
Nozzle, Ideal	360
Switches, Bryant	262
Heaters, Air Radia	464
Strip, Chromalox	363
Heating Cable, Rockbestos	164
Hemco Cord Sets	220, 221
Plugs, Appliance	220
Hemco Sockets, Plug	220
Switches, Cord	219
Taps, Current	219
Hemingray Glass Insulators	442
Hickey Fixture Studs, T & B	13
Type Benders, T & B	7
Hickeys, Electrical Metallic Tubing, Republic	5
Lakin, T & B	458
High Voltage Lamps, G-E	407
Holders, Armature, Ideal	359
Feed-Wire, Fletcher	444, 445
Reflector, Benjamin	420
Reflector, Condulet	75
Shade, Aluminum, Bryant	211
Shade, Bryant	217
Tube, Briegel	6
Hole Cutters, Greenlee	449
Home Appliance Lamps, G-E	405
Hoods, Insulator, Rubber	461
Hooks, Shave	450
Horns, Edwards	383
Screech, Edwards	383
Hose, Line, Rubber	461
Hospital Call Systems, Edwards	392, 393
Hossfeld Benders	5
Hot Shot Batteries	436
Housings, Receptacle, Arktite	81–83
Receptacle, Condulet	61, 63, 71, 73, 85
Howler Signals, Crouse-Hinds	95
Howlers, Edwards	383
Industrial, Benjamin	381
Hub Plates, Conduit	80, 88
Hubbell Adapters, Plug	225
Adapters, Plug, Polarized	242
Adapters, Twist-Lock	234
Caps, Fusible, Twist-Lock	237
Caps, Plug	221, 222
Caps, Plug, Cord-Grip	222, 241, 244
Caps, Plug, Polarized	241–244, 246
Caps, Plug, Twist-Lock	233, 235, 236
Connector Bodies	222
Connectors, Cord	222, 223
Connectors, Cord, Polarized	241, 244, 245
Connectors, Cord, Twist-Lock	233–237
Covers, Rubber, Sealtite	238
Jewels, Bull's Eye	259
Outlet and Switch, Convenience	232
Outlets, Convenience	230
Outlets, Convenience, Twist-Tite	232
Outlets, Fan Hanger	231
Outlets, Floor	231
Outlets, Radio	232
Outlets, Power	245
Plates, Blank	251, 252
Plates, Brown-X	252
Plates, Chrome-X	252
Plates, Chromium	252
Plates, Combination	251, 252
Plates, Convenience Outlet	251, 252
Plates, Ivory-X	252
Plates, Louvre	259
Plates, Switch, Push	251
Plates, Switch, Toggle	251, 252
Plates, Telephone	251, 252
Plugs, Attachment	224
Hubbell Plugs, Attachment, Polarized	243
Plugs, Fusible	225
Plugs, Motor	223
Plugs, Motor, Polarized	242
Plugs, Motor, Twist-Lock	233, 235–237
Plugs, Switch	225
Receptacles, Acorn	230
Receptacles, Candelabra Base	259
Receptacles, Cleat	231
Receptacles, Cluster	232
Receptacles, Concealed	231
Receptacles, Conduit Box	231, 236, 243
Receptacles, Fielding	231
Receptacles, Flush	231, 233–237, 241–247
Receptacles, Moulding	231
Receptacles, Outdoor	231
Receptacles, Outlet Box	231
Receptacles, Pilot Lamp	259
Receptacles, Plug, Weatherproof	231
Receptacles, Polarized	241–244, 246, 247
Receptacles, Porcelain	231, 235, 241, 245
Receptacles, Range	246, 247
Receptacles, Round Type	231
Receptacles, Twist-Lock	233–237
Receptacles, Wall	241
Seal-Tite Devices	238
Sockets, Pull, Attachment, Lamp Base	224
Sockets, Te-Tap	224
Switch and Convenience Outlet	232
Switch, Receptacle and Outlet Combination	225
Switches, Acorn	258
Switches, Appliance	257
Switches, Battery	259
Switches, Cord	225
Switches, Door	272
Switches, Oil Burner	258
Switches, Outdoor	259
Switches, Pendent	225
Switches, Pull, Ceiling	259
Switches, Push Button	258
Switches, Snap, Surface	257
Switches, Toggle, Flush	250, 258
Switches, Toggle, Surface	257, 258
Switches, Weatherproof	259
Table Cone	225
Taps, Current	224, 225
Taps, Current, Signal	224
Taps, Table	225
Te-Taps	224
Twist-Lock Devices	233–237
Hubbellock Caps, Fusible	239
Connectors, Cord	239, 240
Plugs, Motor	239
Receptacles	239, 240
Hykon Boring Machine	449

I

	Page
Ideal Boring Machine	448
Brush Seater	358
Cable Ripper	453
Cement, Commutator	358
Clamps, Fuse Clip	285

Page

Ideal Cleaners, Industrial 360
Connectors, Wire 186
Cutters, Armor 453
Cutters, Commutator Milling 358
Demagnetizers 359
Files, Slotting, Commutator 358
Gauges, Air Gap, Armature 358
Grinders, Precision 358
Growlers 358
Heater Nozzle 360
Holders, Armature 359
Insulation Formers 359
Pullers, Fuse 285
Reducers, Fuse 285
Reels, Fish Tape 454
Resurfacers, Commutator 357
Saws, Commutator Slotting 358
Sprayer Attachment 360
Strippers, Wire 453
Tachometer 359
Tapes, Fish 454
Test-Glo 332
Test Light and Fuse Puller 285
Tester, Insulation 359
Tester, Voltage 332
Tools, Soldering 361
Undercutters, Commutator 358
Wire-Nuts 186
Ignition Batteries, Ray-O-Vac 436
Indenters, Electrical Metallic Tubing, B-M 6
Infrared Heat Lamp, G-E 408
Lamps, Birdseye 414
Inserts, Concrete, Kindorf 26
Instrument Condulets, Explosion-Proof 95
Instruments, Portable, Weston 330, 331
Switchboard, Weston 331
Insulated Bushings, Metallic, T & B 14
Bushings, O. Z. 22
Insulating Compounds, G & W 199
Compounds, O. Z. 199
Links, Bryant 217
Material, Mica 201
Paint, Ruberoid 197
Stools, Workmen's 460
Tapes, Okonite 196
Tapes, Ruberoid 197
Insulation Formers, Ideal 359
Insulations, Cable, J-M 199
Insulator Hoods, Rubber 461
Pins, Fletcher 441
Supports, Universal 192, 193
Insulators, Glass, Hemingray 442
Mine, Porcelain 189
Porcelain 187–189
Secondary Rack, National 440
Strain, Porcelain 191
Tree Type, Fletcher 445
Insulets, T & B 18
Insuliner Sleeves, T & B 14
Irons, Flat, American Beauty 464
Soldering, American Beauty 362
Isert Boxes, Cutout 44, 45
Boxes, Pull 46, 47
Cabinets, Steel 44–48

J

J-M Asbestoment 199
Cable Insulation 199
Compounds, Sealing 200
Ebony, Asbestos 198
J-M Millboard, Asbestos 198
Paper, Asbestos 198
Roll-Board, Asbestos 198
Tapes, Asbestos 198, 199
Transite 198
Tubing, Asbestos 199
Yarns, Asbestos 199
Jefferson Ballasts, Fluorescent Lamp 419
Transformers, Auto 335
Transformers, Bell Ringing 403
Transformers, Control 336
Transformers, Double-Wound 335
Transformers, Mercury Lamp 336
Transformers, Signaling 403
Jewels, Bull's Eye, Hubbell 259
Jiffy Clips, Minerallac 24
Joints, Wedge-On, T & B 181
Junction Boxes, Cast Iron, T & B 50
Boxes, National 172
Boxes, Nepcoduct 136
Boxes, Surfex, P & S 214
Boxes, T & B 51
Condulets 88
Condulets, Explosion-Proof 91–94

K

K & H Connectors, Solderless 179
Lugs, Terminal 179
Kellems Cable Grips 455
Kester Paste, Soldering 195
Salts, Soldering 195
Solder 195
Kett Drill Attachment 448
Wood Borer 448
Keys, Switch, Bryant 262
Kindorf Hangers and Supports 25, 26
Kit, Cable Splicing, G & W 200
Kitchen Ventilators, Emerson 368
Klein Climbers, Linemen's 459
Guards, Climber 459
Knives, Electrician's 451
Knives, Skinning 450
Knives, Splitting, Cable Sheath 450
Pliers 452
Pullers, Fish Tape 454
Scissors, Electrician's 451
Straps, Climbers 459
Tool Kits, Pocket 451
Knives, Electricians' 451
Skinning, Klein 450
Splitting, Cable Sheath, Klein 450
Knobs, Porcelain 189
Screw, Emily 189
Telephone, Porcelain 189
Knockout Closers, Square D 49
Cutters, Greenlee 449
Plugs, T & B 49
Punches, Greenlee 449
Seals, Diamond G 48

L

L-M Fibre Conduit 438
Ladles, Melting, C & L 463
Lakin Hickeys, T & B 458
Lamp Ballasts, Fluorescent, Jefferson 419
Lamp Ballasts, Fluorescent, G-E 417, 418
Cord, Armored, National 31
Globes, Condulet 75
Guards, Condulet 75
Guards, Gripon 429
Guards, Loxon 429
Guards, McGill 429
Guards, Portable, Crouse-Hinds 77
Receptacles, Condulet, G-H Series 69
Receptacles, Condulet, GS Series 70
Receptacles, Condulet, J-K Series 73
Receptacles, Condulet, Obround 56
Starters, Fluorescent, Bryant 208
Starters, Fluorescent, Sylvania 416
Lampholders, Aluminum, Bryant 211
Bi-Post, Bryant 207
Fluorescent, Bryant 208
Insulated Systems, Bryant 228
Lumiline, Bryant 207
Marine, Bryant 217
Watertight, Bryant 217
Weatherproof, Bryant 211
Lamps, Appliance, Home G-E 405
Automotive, G-E 411
Aviation, G-E 409
Bunghole, ProTex 431
Carbon 415
Capacitrons, G-E 410
Circline, G-E 406
Country Home, G-E 405
Daylight, G-E 404
Decorative, G-E 405
Drying, G-E 408
Flashlight, G-E 411
Flashtube, G-E 410
Floodlight, G-E 407
Floodlight, Sylvania 413
Fluorescent, G-E 406
Fluorescent, Sylvania 413
General Electric 404–411
General Service, G-E 404
Germicidal, G-E 408
Hand, Explosion-Proof, C-H 95, 96
Heat, Birdseye 414
Heat, Infrared, G-E 408
High Voltage, G-E 407
Locomotive Lighting, G-E 409
Lumiline, G-E 405
Lumiline, Sylvania 412
Miniature, G-E 411
Motion Picture, G-E 409
Neon Glow, G-E 407
Nite Lite, G-E 405
Photo, G-E 410
Photographic Enlarger, G-E 410
Pilot Light, P&S-Despard 267
Portable, Crouse-Hinds 77
Portable, Drop-Lite 430
Portable, Explosion-Proof, C-H 95, 96
Portable, Low-Voltage, Safeway 431
Portable, ProTex 430
Portable, VaproTex 431
Projection, G-E 407
Projector, G-E 406

	Page
Lamps, Projector, Sylvania	416
Reflector, Birdseye	414
Reflector, G-E	406
Reflector, Sylvania	416
Rough Service, G-E	407
Sealed Beam, G-E	411
Showcase Reflector, G-E	408
Showcase, Sylvania	413
Sign, G-E	405
Sign, Sylvania	412
Silvered Bowl, G-E	405
Slimline, G-E	406
Spotlight, G-E	407
Spotlight, Sylvania	413
Stereopticon, Carbon	415
Stereopticon, G-E	407
Street Lighting, G-E	409
Street Railway, Carbon	415
Street Railway, G-E	409
Sun, G-E	408
Sylvania	412, 413
Therapeutic, Carbon	415
Three-Lite, G-E	405
Traffic Signal, G-E	409
Toy Trains, G-E	41
Train Lighting, G-E	409
Train Lighting, Sylvania	413
Tubular, G-E	408
Tubular, Sylvania	413
Vibration Service, G-E	407
Lantern Batteries, Eveready	435
Batteries, Ray-O-Vac	436
Lanterns, Electric, Delta	434
Lead Wire, Appliance, National	168
Lenses, Flashlight, Eveready	435
Levolier Switches	271
Light Meters, G-E	332
Lighting Condulets, Dust-Tight	96
Condulets, Explosion-Proof	96, 97
Condulets, Vaportight	71–77
Fixtures, Haymow, Union	43
Panelboards, Square D	312–319
Units, Fluorescent, Wiremold	121
Lights, Fluorescent, Portable	435
Night, P&S-Despard	267
Pilot, P&S-Despard	267
Limit Switches, Allen-Bradley	348
Switches, Micro	329
Line Hose, Rubber	461
Material, Pole	437
Linemen's Climber Pads, Klein	459
Climber Straps, Klein	459
Climbers, Klein	459
Rubber Protective Devices	460, 461
Link Fuses, Buss	283
Switches, Levolier	271
Links, Fuse, Renewal, Buss	276
Fuse, Renewal, Economy	278–280
Insulating, Bryant	217
Splicing, Bryant	217
Lock Attachments, Switch, Bryant	262
Switches, Burglar Alarm, Edwards	395
Locknuts, National	11
Reducing, Diamond G	48
Locomotive Lighting Lamps, G-E	409
Lokator Systems, Edwards	391
Loom, National	35
Loomwire Fittings	155
Loomwire, National	155
Loops, Hanger, T & B	426
Loxon Lamp Guards	429
Lubricant, Cable, Y-Er Eas	200
Lugs, Lock-Tite, T & B	181
Soldering, Sherman	184, 185
Solderless, Burndy	173, 174
Solderless, T & B	181, 183
Terminal, Burndy	177
Terminal, K & H	179
Wedge-On, T & B	181
Lumiline Lampholders, Bryant	207
Lamps, G-E	405
Lamps, Sylvania	412
Lungen Bells, Edwards	384
Buzzers, Edwards	384

M

	Page
Machines, Boring, Hykon	449
Boring, Ideal	448
Mandrel Springs	5
Manual Starters, Allen-Bradley	340
Marchand Cable Clamps	192
Marine Fans, Emerson	367
Receptacles, Bryant	217
Switches, Bryant	256
Matting, Floor, Alarm	395
Switchboard, Rubber	395
McGill Guards, Lamp	429
Switches, Levolier	271
Melting Ladles, Solder, C & L	463
Pots, Solder	463
Mercury Lamp Transformers, Jefferson	336
Messenger Cable Hangers, Minerallac	24
Straps, Minerallac	24
Metal Molding Fittings, National	123–127
Molding, National	123, 127
Metallic Cable, Flexlay	150, 151
Tubing, Electrical, Everdur	8
Tubing, Electrical, National	6
Tubing, Electrical, Republic	5
Meter Boxes, Square D	305
Service Switches, Square D	303, 304
Meters, Light, G-E	332
Sight, Weston	331
Mica and Fish Paper	201
and Pressboard	201
and Rope Paper	201
Mica Insulating Material	201
Micanite Paper	201
Paper Tape	201
Micro Switches, Precision	328, 329
Midget Cartridge Fuses	280
Fuses, Buss	275
Millboard, Asbestos, J-M	198
Milliammeters, Portable, Weston	330
Mine Buzzers, Benjamin	382
Insulators, Porcelain	189
Type Howlers, Benjamin	381
Minerallac Bushings, Porcelain	24
Clips, Jiffy	24
Hangers, Cable	24
Hangers, Conduit	24
Hangers, Messenger Cable	24
Straps, Messenger Cable	24
Miniature Lamps, G-E	411
Receptacles, Bryant	206
Mogul Sockets, Benjamin	423, 424
Sockets, Bryant	213
Molding, Metal, National	123, 127
Wiremold	112–120
Monitor Bells, Edwards	384
Motion Picture Lamps, G-E	409
Motor Control Switches, Bryant	220
Lead Cable, Rockbestos	166
Maintenance Products, Ideal	357, 358
Plugs, Hubbell	223
Plugs, Hubbellock	239
Plugs, Polarized, Hubbell	242
Plugs, Twist-Lock, Hubbell	233, 235–237
Starters, Allen-Bradley	346, 347
Starting Switch Condulets, Explosion-Proof	100, 103
Starting Switches, Allen-Bradley	340–343, 346
Motors, Emerson	339
Moulding Receptacles, Hubbell	231
Multi-Breaker Distribution Panels, Square D	321
Panelboards, Square D	314
Multi-Breakers, Industrial, Square D	298
Sqaure D	306–311
Multi-Union Cutout Bases, Fuse	274, 275

N

	Page
National Bondnuts	11
Box Supports, Switch	41
Boxes, Cable	38, 39
Boxes, Ceiling	36
Boxes, Concrete	38
Boxes, Conduit	36
Boxes, Flush Device	41
Boxes, Floor	108
Boxes, Gang	42
Boxes, Junction	172
Boxes, Outlet	36
Boxes, Switch	40, 41
Brackets, Wire	440
Bushings, Anti-Short	31
Bushings, Conduit	11
Bushings, Insulated	14
Cable, Apparatus	153
Cable, Armored	31
Cable, Building	146, 147
Cable, Flexlay	150–152
Cable, Indestructo	149
Cable, Lead Covered	146, 147
Cable, Neoprene Sheathed	149
Cable, Service Entrance	147
Cable, Sheathed, Non-Metallic	155
Cable, Varnished Cambric	153
Carbon Brushes	353
Conduit Fittings	11
Conduit, Flexsteel	31
Conduit, Rigid Steel	10
Connectors, Box	34, 35
Connectors, Cable	35
Connectors, E.M.T.	5
Connectors, Lampcord	35
Cord, Indestructo	148
Cord, Lamp, Armored	31
Cord, Portable	148

	Page
National Cord, Flexible	155
Couplings, Conduit	10, 34
Couplings, E.M.T.	10
Covers, Conduit Box	36, 37
Covers, Device Boxes	41
Elbows, Conduit	10
Elbows, Conduit, Large-Radius	10
Fittings, Conduit	11
Fittings, Plug-In Strip	132, 133
Florduct	128
Florduct Fittings	188, 129
Flextube	35
Hangers, Bar	39
Locknuts	11
Loomwire	155
Lopo-Trim	133
Metal Molding	123, 127
Metal Molding Fittings	123–127
Nipples, Rigid Conduit	10
Outlets, Utility	108
Ovalcord	155
Racks, Secondary	440
Rings, Extension	36
Rippers, Cable	453
Service Fittings, Floor Box	108
Spigots	108
Strip, Plug-In	132, 133
Studs, Fixture	13
Surfaceduct	130
Surfaceduct Fittings	130, 131
Terminal Blocks	171, 172
Wire, Building	145, 146
Wire, Extra Flexible	148
Wire, Fixture	145, 168
Wire, Flexible	148
Wire, Ground, Armored	31
Wire, Grounding, Appliance	168
Wire, Heat-Resisting	168
Wire, Lead, Appliance	168
Wire, Stove	168
Wire, Telephone	155
Wireholders	440
Xtensionduct	122
Xtensionduct Fittings	122
Neon Glow Lamps, G-E	407
Nepcoduct Underfloor Wiring System	134–136
Night Lights, P&S-Despard	267
Nipples, Conduit, Chase	11
Rigid Conduit, National	10
Nite Lite Lamps, G-E	405
Nokorode Fluid, Soldering	196
Paste, Soldering	196
Salts Soldering	196
Soldering Paste	196
Non-Metallic Cable, Flexlay	151, 152
Cable, Underground, Sheathed	161
Sheathed Cable, National	155
Nurses' Call Systems, Edwards	392, 393
NuTone Chimes, Door	385–387
Clocks, Chiming	387
Push Buttons, Luminous	399
Transformers, Chime	402
Nuts, Wire, Ideal	186

O

	Page
O.Z. Bolts, U, Steel	12
Bushings, Grounding	22
Bushings, Insulated	16, 22
Cable Supports	194
Compound, Insulating	199
O.Z. Connectors, Copper Braid	23
Couplings, Insulating	12
Couplings, Split	12
Fittings, End	16
Fittings, Expansion	12
Oil Burner Switches, Hubbell	258
Oiled Canvas, Empire	201
Cloth, Empire	201
Duck, Empire	201
Silk, Empire	201
Offsets, Nepcoduct	135
Okolite Cable	160
High Voltage Tape	196
Okonite Cable	159, 160
Cable, Varnished Cambric	162
Rubber Tape	196
Okoprene Cable	161
Weather Resistant Tape	196
Wire	161
Okosheath Cable, Underground	161
Openers, Door, Edwards	393
Outdoor Receptacles, Weatherproof, Hubbell	231
Outlet and Switch, Convenience, Hubbell	232
Box Covers, Bakelite, Union	43
Box Covers, National	36, 37
Box Covers, Porcelain	189
Box Fittings, Benjamin	420
Box Receptacles, Bryant	209, 210, 212, 219
Box Receptacles, Hubbell	231
Box Receptacles, P & S	215
Box Receptacles, Woodhead	216
Boxes, National	36
Boxes, Union	42
Plugs, Nepcoduct	135
Outlets, Clock Hanger, Bryant	229
Convenience, Bryant	227, 228
Convenience, Hubbell	230, 232
Convenience, P&S-Despard	266
Convenience, Twist-Tite, Hubbell	232
Double, Porcelain, Bryant	204
Duct End, Nepcoduct	134
Fan Hanger, Bryant	228
Fan Hanger, Hubbell	231
Floor, Bryant	229
Floor, Hubbell	231
Floor, T & B	107
Outdoor, Bryant	229
Power, Hubbell	245
Radio, Bryant	229
Radio, Hubbell	232
Radio, P&S-Despard	266
Utility, National	108
Weatherproof, Bryant	229
Ovalcord, National	155
Ovalduct	29
Ovalduct Fittings	29, 30
Ovalflex Cable, Armored	29
Fittings	29

P

	Page
P & S Boxes, Junction, Surfex	214
Outlets, Convenience, Surfex	214
Receptacles, Outlet Box	215
Receptacles, Porcelain	215
Receptacles, Surfex	214
Rosettes, Porcelain	273
Rosettes, Surfex	214
P & S Socket Bodies, Porcelain	214
Socket Caps, Porcelain	214
Surfex Wiring System	214
Switches, Surfex	214
P & S-Despard Adapters, Insulating	266
Caps, Plug	266
Covers, Box	267
Devices, Industrial and Commercial	265
Hoods, Pilot Light	267
Lamps, Pilot Light	267
Lights, Night	267
Lights, Pilot	267
Outlets, Convenience	266
Outlets, Radio	266
Plate Inserts	267
Plates	268, 269
Plates, Bakelite	268
Plates, Brown-X	268, 269
Plates, Chrome-X	268, 269
Plates, Ivory	268
Plates, Ivory-X	268, 269
Plates, Marine Wiring	268
Plates, Metal	268, 269
Plates, Name	267
Plates, Narrow	268
Plates, Uniline	268
Plates, Wall	268, 269
Pushes, Bell	267
Reflectors, Pilot Light	267
Straps, Appliance	267
Straps, Mounting	267
Switches, Momentary Contact	265
Switches, Tumbler	265, 266
Wiring Diagrams	270
Pads, Climbers' Klein	459
Paint, Insulating, Ruberoid	197
Pancake Raceway, Wiremold	116, 117, 119
Panel Cabinets, Square D	326
Saws	450
Panelboard Condulets, Explosion-Proof	102
Panelboards, Distribution, Square D	320–325
Lighting, Square D	312–319
Panther Tapes, Friction	197
Paper and Mica, Fish	201
and Mica, Rope	201
Paper, Micanite	201
Paper Tape, Asbestos, J-M	198, 199
Tape, Micanite	201
Paragon De-Frost-It	288
Time Switches	286–288
Paramount Totelite	435
Paste, Soldering, Kester	195
Soldering, Nokorode	196
Pedestals, Condulet	28
Pendent Switches, Bryant	219, 263
Switches, Hubbell	225
Penlight Batteries, Ray-O-Vac	435
Pennies, Conduit T & B	11
Photoflash Batteries, Ray-O-Vac	436
Photoflood Lamps, G-E	410
Photronic Cells, Weston	332
Pilot Lamp Receptacles, Hubbell	259
Light Condulets, Explosion-Proof	101
Light Condulets, FS-FD Series	54
Pin Type Insulators, Hemingray	442

	Page
Pins, Insulation, Fletcher	441
Turn, Hardwood	450
Pipe Benders, Greenlee	457, 458
Clamps, Kindorf	26
Hangers, Crouse-Hinds	28
Hangers, Kindorf	25, 26
Hangers, Wedgtite	28
Plugs, Crouse-Hinds	90
Pushers, Greenlee	456
Straps, Steel	23
Plate Inserts, P&S-Despard	267
Symbols, Bryant	255
Plates, Bakelite, P&S-Despard	268
Bakelite, P&S-Despard	268
Bell, Push, Bryant	254
Blank, Bryant	253, 254
Blank, Hubbell	251, 252
Brown-X, Hubbell	252
Brown-X, P&S-Despard	268, 269
Chrome-X, Hubbell	252
Chrome-X, P&S-Despard	268, 269
Chromium, Hubbell	252
Combination, Bryant	253
Combination, Hubbell	251, 252
Convenience Outlet, Bryant	253, 254
Convenience Outlet, Hubbell	251, 252
Ground, T & B	439
Hub, Conduit	80, 88
Ivory, P&S-Despard	268, 269
Ivory-X, Hubbell	252
Louvre, Hubbell	259
Marine Wiring, P&S-Despard	268
Metal, P&S-Despard	268, 269
Mirror Glass, Haring	252
Name, P&S-Despard	267
Narrow, P&S-Despard	268
P&S-Despard	268, 269
Push Button, Edwards	398
Stainless Steel, Bryant	253
Steel, Bryant	253
Switch, Push, Bryant	253, 256
Switch, Push, Hubbell	251
Switch, Toggle, Hubbell	251, 252
Switch, Tumbler, Bryant	253, 254
Telephone, Bryant	253, 254
Telephone, Hubbell	251, 252
Uniline, P&S-Despard	268
Wall, P&S-Despard	268, 269
Wall, T & B	19
Pliers, Klein	452
Plug Adapters, Hubbell	225
Adapters, Polarized, Hubbell	242
Bodies, Attachment, Bryant	219
Caps, Attachment, Bryant	218
Caps, Cord Grip, Hubbell	222, 241, 244
Caps, Hubbell	221, 222
Caps, Motor, Bryant	218
Caps, P&S-Despard	266
Caps, Polarized, Hubbell	241–244, 246
Caps, Rubber, ProTex	226
Caps, Rubber, Safeway	226
Caps, Twist-Lock, Hubbell	233, 236
Covers, Rubber, Hubbell	238
Fuses, Buss	281
Fuses, Clearsite	280
Fuses, Renewable, Economy	280
Receptacle Housings, Arktite	81–83
Plug Receptacle Housings, Condulet	61, 63, 71, 73, 85
Receptacles, Condulet, J-K Series	73
Receptacles, Condulet, Obround	56
Receptacles, Condulet, Type QE	85
Receptacles, Fusible, Square D	297
Receptacles, Weatherproof, Hubbell	231
Plug-In Strip Fittings, National	132, 133
Plugs and Receptacles, Ralco	109–111
Plugs, Appliance, Hemco	220
Attachment, Benjamin	221
Attachment, Bryant	218
Attachment, Hubbell	224
Attachment, Polarized, Hubbell	243
Fuseless, Neutral Wire, Bryant	284
Fusible, Hubbell	225
Knockout, T & B	49
Motor, Hubbell	223
Motor, Hubbellock	239
Motor, Polarized, Hubbell	242
Motor, Twist-Lock, Hubbell	233, 235, 236
Outlet, Nepcoduct	135
Pipe, Crouse-Hinds	90
Receptacle, Arktite	81–83
Receptacle, Condulet	71
Receptacle, Type BP	84
Receptacle, Type RQ, C-H	85
Rubber, Protex	226
Rubber, Safeway	226
Rubber, Weatherproof, Safeway	226
Socket, Hemco	220
Switch, Bryant	220
Switch, Hubbell	225
Pocket Tool Kit, Klein	451
Pole Fittings, Benjamin	426
Line Hardware	437
Porcelain Bushings, Federal	191
Bushings, Minerallac	24
Bushings, Square D	49
Bushings, T & B	191
Bushings, Union	191
Cleats, Wire	190
Covers, Outlet Box	189
Insulators	187–189
Insulators, Mine	189
Insulators, Strain	191
Knobs, Emily	189
Knobs, Telephone	189
Receptacles, Bryant	205, 209–213, 219
Receptacles, Hubbell	231, 235, 241
Receptacles, P & S	215
Rosettes, Bryant	273
Rosettes, P & S	273
Socket Bases, Bryant	207
Socket Caps, Bryant	207
Sockets, Benjamin	421–424
Sockets, Bryant	213
Sub-Bases, Bryant	273
Tubes	190
Portable Cable, Hazard	163
Instruments, Weston	330, 331
Lamps, Crouse-Hinds	77
Lamps, Drop-Lite	430
Portable Lamps, Explosion-Proof, C-H	95, 96
Lamps, Low-Voltage, Safeway	431
Lamps, ProTex	430
Lamps, VaproTex	431
Potheads, Delta-Star	338
G & W	337
Pots, Fire, C & L	463
Melting, Solder	463
Power Cable, Rockbestos	165, 166
Distribution Systems, Bulldog	139–142
Pumps, Greenlee	456
Transformers, Allis-Chalmers	333
Power-Factor Capacitors, C-D	327
Pressboard and Mica	201
Pressure Controls, Allen-Bradley	349
Switches, Square D	352
Projector Lamps, G-E	406, 407
Lamps, Sylvania	416
Protective Devices, Linemen's	461
ProTex Plug Caps	226
Portable Lamps	430–431
Rubber Sockets	216
Winders, Cord	431
Pull Boxes, Isert	46, 47
Sockets, Lamp Base Attachment, Hubbell	224
Switches, Bryant	263
Switches, Ceiling, Hubbell	259
Pullers, Cable, Greenlee	454
Fish Tape, Ideal	454
Fish Tape, Klein	454
Fuse, Ideal	285
Pumps, Power, Greenlee	456
Punch Sets, Knockout, Greenlee	449
Push Bell Plates, Bryant	254
Button Blocks, Edwards	440
Button Plates, Edwards	398
Button Station Condulets, Explosion-Proof	99–101
Button Station Condulets, FS Series	62
Button Stations, Allen-Bradley	348
Button Switch Condulets, Explosion-Proof	98, 99
Buttons, Bell, Bryant	254
Buttons, Edwards	400, 401
Buttons, Elevator Call, Edwards	399
Buttons, Entrance, Edwards	399
Buttons, Heavy Duty, Benjamin	401
Buttons, Luminous, Nutone	399
Switch Plates, Bryant	253, 256
Switch Plates, Hubbell	251
Switch Replacements, Bryant	256
Switches, Bryant	247
Switches, Hubbell	258
Pushers, Pipe, Greenlee	456
Pushes, Bell, P&S-Despard	267
Card-Holder Type, Edwards	398
Desk, Edwards	399, 400
Entrance, Edwards	398, 399
Floor, Edwards	400
High Voltage, Edwards	401
Low Voltage, Edwards	400, 401

Page

Pushes, Pear, Edwards 400
Return Call, Edwards 401
Screwless, Edwards 398
Watertight, Edwards 401

Q

Quiklugs, Burndy 173

R

Raceways, Flordect, National 128
Lopo-Trim, National 133
Metal Molding, National 123, 127
Nepcoduct 134–136
Ovalduct 29
Seamless, Everdur 8
Square D 138
Surfaceduct, National 130
Wiremold 112–120
Xtensionduct, National 122
Racks, Insulated, Fletcher 443, 444
Secondary, National 440
Radia Heaters, Air 464
Radio Fuses, Buss 283
Outlet Caps, Hubbell 232
Outlets, Bryant 229
Outlets, Hubbell 232
Outlets, P&S-Despard 266
Panel Lamps, G-E 411
Solder, Kester 195
Raintight Switches, Square D .. 296
Ralco Receptacles and Plugs 109–111
Range Receptacle Adapters, Hubbell 225
Receptacles, Hubbell 246, 248
Switches, Bryant 262
Ray-O-Vac Batteries, Flashlight 435
Batteries, Ignition 436
Batteries, Lantern 436
Batteries, Penlight 435
Batteries, Photoflash 436
Batteries, Telephone 436
Flashlights 433
Receptacle Adapters, Hubbell.. 234
Adapters, Range, Hubbell.... 225
Condulets, Type BRME..... 85
Covers, Condulet, G-H Series 69
Covers, Seal-Tite, Hubbell .. 238
Covers, Union 43
Equipment, Type AEQ..... 83
Housings, Arktite 81–83
Housings, Condulet 61, 63, 71, 73, 85
Pilot and Switch, Bryant.... 228
Plates, Mirror Glass, Haring 252
Plugs, Condulet 71
Plugs, Explosion-Proof, C-H 104
Plugs, Type BP 84
Plugs, Type RQ 85
Receptacle and Pilot, Bryant.. 228
and Switch Combinations, Bryant 228
and Switch, Hubbell 232
Receptacle, Switch and Outlet Combination, Hubbell 225
Switch and Pilot Light, Bryant 228

Page

Receptacles, Acorn, Hubbell.... 230
Candelabra, Bryant 205, 206
Cleat, Bryant 206, 209, 210, 213
Cleat, Hubbell 231
Cluster, Hubbell 232
Concealed, Hubbell 231
Conduit Box, Hubbell 231, 236, 243
Fielding, Hubbell 231
Flush, Bryant 228, 229
Flush, Hubbell 231, 233–237, 241–247
Hubbellock 239, 240
Intermediate Base, Bryant.. 205
Lamp, Condulet, G-H Series 69
Lamp, Condulet, GS Series 70
Lamp, Condulet, J-K Series 73
Lamp, Condulet, Obround .. 56
Marine, Bryant 217
Miniature, Bryant 206
Moulding, Hubbell 231
Outdoor, Bryant 229
Outdoor, Hubbell 231
Outdoor, Weatherproof, Hubbell 231
Outlet Box, Bryant 209, 210, 212, 219
Outlet Box, Hubbell 231
Outlet Box, P & S..... 215
Outlet Box, Woodhead 216
Pigtail, Union 43
Pilot Lamp, Hubbell..... 259
Pin Type, Bryant..... 230
Plug, Arktite 81–83
Plug, Condulet 73, 85
Plug, Condulet, Obround 56
Plug, Fusible, Square D..... 297
Plug, Receptacle, Ralco 109–111
Plug, Type AEQ 83
Plug, Weatherproof, Hubbell 231
Polarized, Hubbell 241–247
Porcelain, Bryant 205, 209–213, 219
Porcelain, Hubbell 231, 235, 241, 245
Porcelain, P & S.....214, 215
Prefousing Lamp, Bryant.... 206
Range, Hubbell 246, 247
Round Type, Hubbell..... 231
Rubber, Safeway 227
Rubber, Woodhead 227
Screw Plug, Bryant..... 229
Sign, Bryant 205, 210
Street Hood, Bryant..... 210
Twist-Lock, Hubbell 233–237
Union 43
Wall, Hubbell 241
Watertight, Bryant 217
Receptaplugs, Edwards 400
Rectigon Bulbs, Westinghouse 416
Reducers, Conduit, Nepcoduct 135
Conduit, T & B..... 12
Condulet 90
Fuse, Buss 284
Fuse, Ideal 285
Socket, Benjamin 221
Socket, Bryant 215
Reducing Locknuts, Diamond G 48
Washers, Square D 49
Washers, T & B..... 49
Reelites, Portable, Appleton 427, 428

Page

Reels, Fish Tape, Ideal..... 454
Retracto, Appleton 428
Reflector Fittings, Type X, Benjamin 424
Fixture Sockets, Benjamin 420–422
Fixtures, Condulet 76
Holders, Condulet 75
Holders, Benjamin 420
Lamps, G-E 406
Lamps, Sylvania 416
Reflectors, Condulet, EV Series 97
Fixture, Condulet 76, 97
Pilot Light, P&S-Despard.... 267
Wiremold 121
Refrigerator Defroster, Paragon 288
Regulators, Pressure, Square D 352
Voltage, Wirt 272
Relays, Allen-Bradley 345
Burglar Alarm, Edwards..... 395
Electronic Timing, Allen-Bradley 350
Master, Benjamin 403
Timing, Allen-Bradley 350
Renewable Fuses, Buss..... 276
Fuses, Economy 278–280
Fuses, Plug, Economy 280
Republic Bending Tools..... 6
Electrunite, E.M.T. 5
Resistors, Ward Leonard 354
Resurfacers, Commutator, Ideal 357
Retract-O-Reels, Appleton 428
Rheostat Cable, Rockbestos.... 165
Wire, Rockbestos 165, 167
Rheostats, Ward Leonard..... 354
Rigid Steel Conduit, National.. 10
Steel Conduit, Steelduct..... 9
Ringing Drops, Constant, Edwards 395
Rings, Extension, National..... 36
Fixture, Bryant 217
Grounding, T & B..... 19
Rip Saws 450
Rippers, Cable, Ideal..... 453
Cable, National 453
Rockbestos Cords, Flexible 164
Wires and Cables.....164–167
Rods, Ground, Oliver..... 439
Roebling Cable, Building..156–158
Cable, Sheathed, Non-Metallic 156
Cable, Slow-Burning 169
Cable, Weatherproof 169
Compounds, Grades of..... 158
Wire, Building 157, 158
Wire, Copper, Bare 170
Wire, Slow-Burning 169
Wire, Weatherproof 169
Roll-Board, Asbestos, J-M..... 198
Rope Paper and Mica..... 201
Rosettes, Cord, Condulet, J-K Series 73
Cord, Condulet, Obround.... 56
Porcelain, Bryant 273
Porcelain, P & S..... 273
Surfex, P & S..... 214
Rotary Switch Replacements, Bryant 256
Switches, Electrolier, Bryant 261
Switches, Surface, Bryant 260–262
Switches, Wirt 272
Rough Service Lamps, G-E..... 407

Page

Rubber Blankets, Linemen's.... 461
Cord Connectors, Safeway.. 226
Covers, Seal-Tite, Hubbell.... 238
Gloves, Linemen's 460
Hoods, Insulator 461
Line Hose 461
Matting, Switchboard 461
Receptacles, Safeway 227
Receptacles, Watertight 216
Sockets, ProTex 216
Tape, Dragon 197
Tape, Okonite 196
Ruberoid Insulating Paint..... 197
Insulating Tape 197

S

Saddle Supports, Nepcoduct.... 134
Safety Switch Condulets.....86, 87
Switches, Bulldog 288–291
Switches, Square D.....292–297
Safeway Connectors, Cord..... 226
Lamps, Portable, Low-Voltage 43
Plug Caps, Rubber..... 226
Plugs, Rubber, Weatherproof 226
Receptacles, Rubber 227
Salts, Soldering, Kester..... 195
Soldering, Nokorode 196
Saw Blades, Hack..... 451
Frames, Hack 451
Saws, BX, Electricians'..... 451
Cablemen's 450
Commutator Slotting, Ideal 358
Compass 450
Hand 450
Panel 450
Rip 450
Scissors, Electricians', Klein.. 451
Scotch Tape, Electrical..... 197
Screw Anchors, Ackerman-Johnson 446, 447
Screwdrivers, Electric, Cincinnati 355
Scrulugs, Burndy 173
Sealed Beam Lamps, G-E..... 411
Sealing Compounds, J-M..... 200
Condulets, Explosion-Proof 104
Seals, Knockout, Diamond G.... 48
Sealtite Conduit, American..... 9
Secondary Breaker Condulets, Explosion-Proof 101
Racks, National 440
Service Connectors, Burndy.... 177
Entrance Breakers, Square D 299
Entrance Cable, National .. 147
Entrance Fittings, Crouse-Hinds 17
Entrance Fittings, T & B..18, 19
Equipment, Square D....303, 304
Fittings, Floor Box, National 108
Racks, National 440
Shadeholders, Aluminum, Bryant 211
Bryant 217
Uno 217
Weatherproof 217
Shave Hooks 450
Sherman Clips, Fuse..... 285
Lugs, Soldering 184, 185
Terminals, Wire 185, 186
Showcase Reflector Lamps, G-E 408
Reflector Lamps, Sylvania.. 413

Page

Shutters, Fan, Emerson.....371, 372
Sight Meter, Weston..... 331
Sign Condulets, Type CUC..... 28
Lamps, G-E 405
Lamps, Sylvania 412
Receptacles, Bryant 205, 210
Signal Condulets, Explosion-Proof 95
Signaling Systems, Edwards.... 391
Transformers, Dongan 334
Transformers, Edwards 402
Transformers, Jefferson 403
Signals, Industrial, Benjamin 381, 382
Motor Driven, Benjamin..... 382
Silk, Oiled, Empire..... 201
Silvered Bowl Lamps, G-E..... 405
Siren Signals, Crouse-Hinds.... 95
Sirens, Edwards 382
Industrial, Benjamin 382
Sleeves, Insuliner, T & B..... 14
Slimline Lamp, G-E..... 406
Slow-Burning Wire, Roebling 169
Snap Switches, Surface, Hubbell 257
Snips, Electrician's 451
Socket Adapter Straps, Benjamin 424
Adapters, Angle, Bryant..... 204
Bases, Fluted-Catch, Bryant 202
Bodies, Bakelite, Bryant 204
Bodies, Composition, Bryant 203
Bodies, Electrolier, Bryant.. 203
Bodies, Fluted-Catch, Bryant 202
Bodies, Intermediate, Bryant 205
Bodies, Porcelain, Bryant.... 206
Bodies, Porcelain, P & S.... 214
Bodies, Threaded-Catch, Bryant 202
Bushings, Bryant 217
Caps, Bakelite, Bryant 204
Caps, Composition, Bryant.. 203
Caps, Electrolier, Bryant 203
Caps, Fluted-Catch, Bryant 202
Caps, Intermediate Base, Bryant 204
Caps, Porcelain, Bryant 207
Caps, Porcelain, P & S..... 214
Caps, Threaded-Catch, Bryant 202
Chain, Bryant 217
Extensions, Benjamin 221
Reducers, Benjamin 221
Reducers, Bryant 215
Te-Taps, Pull, Hubbell..... 224
Sockets, Adapter, Adjustable Angle, Bryant 204
Aluminum, Bryant 211
Angle, Bryant 204
Benco, Benjamin 420
Bi-Post, Bryant 207
Candelabra, Bryant 205
Candle, Bryant 204
Dim-A-Lite 272
Electrolier, Bryant 203
Fluted-Catch, Bryant 203
Intermediate Base, Bryant.. 205
Mogul, Benjamin 423, 424
Mogul, Bryant 213
Plug, Hemco 220
Plug-In Pull, Bryant 204
Porcelain, Benjamin 421–424
Porcelain, Bryant 213
Prefocusing Lamp, Bryant.. 206

Page

Sockets, Pull, Lamp Base Attachment, Hubbell 224
Reflector Fixture, Benjamin 421–422
Removable Ring, Bryant..... 203
Rubber, ProTex 216
Self-Locking, Benjamin 422
Shock-Absorbing, Benjamin 421–423
Starter, Fluorescent Lamp, Bryant 208
Twin, Bryant 204
Wall, Bryant 203
Watertight, Woodhead 216
Weatherproof, Benjamin 420
Weatherproof, Bryant ..211–213
Weatherproof, Union 216
Weatherproof, Woodhead .. 216
Solder, Bar, Half and Half..... 196
Kester 195
Wire 196
Soldering Fluid, Nokorode..... 196
Iron Stand, Temperature Regulating 362
Irons, American Beauty..... 362
Lugs, Sherman 184, 185
Paste, Kester 195
Paste, Nokorode 196
Salts, Kester 195
Salts, Nokorode 196
Tools, Ideal 361
Solderless Connectors, Burndy 177
Connectors, Delta-Star 338
Connectors, Ideal 186
Connectors, K & H..... 179
Connectors, T & B.....181, 183
Lugs, Burndy 173, 174
Lugs, T & B.....181, 183
Spacers, Conduit, T & B..... 23
Speed Testers, Ideal..... 359
Spigots, National 108
Splicers, Wire, T & B..... 181
Splicing Kit, Cable, G & W..... 200
Links, Bryant 217
Spotlight Lamps, G-E..... 407
Lamps, Sylvania 413
Sprayer Attachment, Ideal..... 360
Springs, Burglar Alarm, Edwards 395
Mandrel 5
Square D Boxes, Meter..... 305
Breakers, Circuit 300–302
Breakers, Service Entrance 299
Bushings, Porcelain 49
Cabinets, Current Transformer 305
Cabinets, Fuse 317
Cabinets, Panel 326
Clips, Fuse 285
Closers, Knockout 49
Duct 138
Multi-Breakers 306–311
Multibreakers, Industrial 298
Panelboards, Distribution 320–325
Panelboards, Lighting ..312–319
Raceways 138
Receptacles, Plug 297
Regulators, Pressure 352
Service Equipment 303, 304
Switches, Meter Service 303, 304
Switches, Pressure 352
Switches, Raintight 296
Switches, Safety 292–297
Switches, Vacuum 352
Washers, Reducing 49

Page

Square-Duct Fittings 137, 138
Wiring Trough 137
Sta-Kon Assortment Kit, T & B..... 183
Connectors, T & B..... 182
Terminals, T & B..... 182
Tools, T & B..... 182
Stands, Drill, Cincinnati..... 355
Starters, Fluorescent Lamp, Bryant 208
Fluorescent Lamp, G-E 416
Fluorescent Lamp, Sylvania 416
Manual, Allen-Bradley 340
Resistance, Allen-Bradley 343, 347
Transformer Type, Allen-Bradley 347
Starting Switches, Motor, Allen-Bradley 340–343, 346
Stations, Calling, Nurses, Edwards 392
Control, Allen-Bradley 348
Control, Edwards 393
Emergency, Edwards 394
Fire Alarm, Edwards..... 394
Fluorescent Lamp, G-E..... 416
Lamp, Corridor, Edwards.... 392
Steel Cabinets, Isert.....44–48
Conduit, Flexible, National 31
Conduit, Rigid, National 10
Conduit, Steelduct 9
Pipe Straps 23
Steel City Benders, Conduit.... 458
Extension Pieces, Fixture.... 13
Studs, Fixture 13
Steelduct Conduit 9
Stem Suspensions, Benjamin.. 425
Stereopticon Lamps, G-E..... 407
Stones, Commutator, Ideal..... 357
Stools, Insulating, Workmen's 460
Stove Wire, National..... 168
Wire, Rockbestos 167
Strain Insulators, Porcelain.... 191
Straps, Appliance, P&S-Despard 267
Cable, Appleton 23
Cable, T & B..... 19
Climbers', Klein 459
Conduit, Kindorf 25
Conduit, T & B..... 23
Electrical Metallic Tubing, T & B..... 7
Grounding, Groundulet 20
Loomwire, National 155
Messenger Cable, Minerallac 24
Mounting, P&S-Despard 267
Pipe, Steel 23
Socket Adapter, Benjamin.. 424
Street Lighting Lamps, G-E.... 409
Railway Lamps, Carbon..... 415
Railway Lamps, G-E..... 409
Strip, Fluorescent, Wiremold.. 120
Fuse, Buss 284
Plug-In, National 132, 133
Strip Heaters, Chromalox..... 363
Strippers, Wire, Ideal..... 453
Studs, Fixture, National..... 13
Fixture, Steel City 13
Fixture, T & B..... 13
Stuffing Boxes, Watertight, Crouse-Hinds 89
Sub-Bases, Porcelain, Bryant.. 273
Sun Lamps, G-E..... 408
Supports, Cable, O.Z..... 194
Conduit, T & B..... 27
Insulator, Universal 192, 193
Saddle, Nepcoduct 134

Page

Surfaceduct and Fittings, National 130, 131
Suspension Fittings, Benjamin 425, 426
Suspensions, Stem, Benjamin.. 425
Switch and Convenience Outlet, Hubbell 232
and Outlet Combinations, Bryant 228
Switch Accessories, Bryant.... 262
Box Supports, National..... 41
Boxes, National 40, 41
Boxes, Union 42
Condulets, Explosion-Proof 97–101, 103
Condulets, Safety 86, 87
Covers, Union 43
Handles, Bryant 262
Keys, Bryant 262
Mechanisms, Replacement, Bryant 256
Plates, Glass, Haring 252
Plates, Push, Hubbell 251, 253, 256
Plates, Toggle, Hubbell..251, 252
Plates, Tumbler, Bryant 253, 254
Plugs, Bryant 220
Plugs, Hubbell 225
Switch, Outlet and Pilot, Bryant 228
Switch, Receptacle and Outlet Combination, Hubbell 225
Switchboard Instruments, Weston 331
Rubber Matting 461
Wire, Rockbestos 166
Switches, Appliance, Hubbell.. 257
Battery, Hubbell 259
Canopy, Bryant 263
Canopy, Levolier 271
Car Lighting, Bryant..... 256
Cord, Bryant 219
Cord, Hemco 219
Cord, Hubbell 225
Disconnecting, Delta Star.... 338
Door, Bryant 273
Door, Hubbell 272
Entrance, Bryant 274
Entrance, Square D 304
Expulsion Type, Bryant..... 256
Group-Operated, Delta-Star 338
Heater, Bryant 262
Levolier 271
Limit, Allen-Bradley 348
Limit, Micro 329
Link, Levolier 271
Lock, Burglar Alarm, Edwards 395
Marine, Bryant 256
Momentary Contact, P&S-Despard 265
Motor Starting, Allen-Bradley 340–343, 346
Oil Burner Control, Hubbell 258
Outdoor, Hubbell 259
Pendent, Bryant 219, 263
Pendent, Hubbell 255
Pressure, Allen-Bradley 349
Pressure, Square D 352
Pull, Bryant 263
Pull, Ceiling, Hubbell 259
Push, Bryant 247
Push Button, Hubbell..... 258
Raintight, Square D..... 296
Range, Bryant 262
Reversing, Allen-Bradley 344, 346

Page

Switches, Rotary, Wirt..... 272
Rotary, Surface, Bryant 260–262
Safety, Bulldog 288–291
Safety, Square D 292–297
Service, Square D..... 384
Slide, Wirt 272
Snap, Surface, Hubbell..... 257
Surfex, P & S..... 214
Time, Paragon 280–288
Toggle, Acorn 258
Toggle, Flush, Hubbell..250, 258
Toggle, Surface, Hubbell 257, 258
Tumbler, Bryant 228
Tumbler, Flush, Bryant 247–249
Tumbler, P&S-Despard 265, 266
Tumbler, Surface, Bryant.... 260
Vacuum, Square D..... 352
Weatherproof, Hubbell 259
Sylvania Lamps 412, 413
Lamps, Birdseye 414
Lamps, Projector 416
Lamps, Reflector 416
Starters, Fluorescent Lamp 416

T

T & B Adapters, Conduit..... 49
Benders, Conduit 7, 458
Benders, E.M.T. 7
Benders, Hickey Type..... 7
Boxes, Cast Iron 50, 51
Boxes, Floor 107
Boxes, Floor, Gang 108
Boxes, Junction 50, 51
Bushings, Capped 11
Bushings, Conduit 11
Bushings, End 15
Bushings, Grounding 21
Bushings, Metallic, Insulated 14
Bushings, Porcelain 191
Caps, Entrance 7, 18, 19
Clamps, Ground 21
Clips, Cable 23
Conduit Fittings 7, 11–15, 18, 23, 35
Connectors, Box 32
Connectors, Cable 32, 33, 181
Connectors, Conduit ..12, 32, 33
Connectors, E.M.T. 7
Connectors, Lock-Tite 181
Connectors, Solderless ..181, 183
Connectors, Sta-Kon 182
Connectors, Watertight 19
Couplings, Chase 11
Couplings, Combination 31
Couplings, Conduit 12
Couplings, Conduit Body 35
Couplings, E.M.T. 7
Couplings, Erickson 11
Couplings, Floor 108
Couplings, Split 35
Couplings, Watertight 7
Covers, Tubelet 106, 107
Elbows, Bushed 107
Elbows, Capped 18
Elbows, Conduit 11
Elbows, Watertight 7
Ells, Entrance 7, 18
Enlargers, Conduit 12
Entrance Fittings 18, 19
Extensions, Connector 35
Fish Tape 453

	Page
T & B Ground Fittings	21
Ground Rings, Metering	19
Hanger Loops	426
Hangers, Conduit	27
Hangers, Disconnect	427
Hangers, Fixture	426
Heads, Entrance	19
Hickeys, Lakin	458
Insulets	18
Joints, Wedge-On	181
Lugs, Lock-Tite	181
Lugs, Solderless	181, 183
Lugs, Wedge-On	181
Nipples, Chase	11
Pennies	11
Plates, Ground	439
Plates, Wall	19
Plugs, Knockout	49
Reducers, Conduit	12
Rings, Grounding	19
Sleeves, Insuliner	14
Spacers, Conduit	23
Splicers, Wire	181
Sta-Kon Assortment Kit	183
Straps, Cable	19
Straps, Conduit	23
Straps, E.M.T.	7
Studs, Fixture	31
Supports, Conduit	27
Taps, Cable	180
Taps, Tee	180
Tees, Bulb	108
Terminals, Sta-Kon	182
Tools, Sta-Kon	182
Tools, Wedge-On	181
Tubelets	106, 107
Washers, Reducing	49
Wedges, Grounding	21
Wrench and Reamer Tool	7
Wrenches, Key	181
Table Cone, Hubbell	225
Taps, Hubbell	225
Tachometers, Ideal	359
Tap Fuses, Buss	275
Tape Pullers, Fish, Klein	454
Tapes, Asbestos, J-M	198, 199
Fish, Ideal	454
Fish, T & B	453
Friction, Dragon	197
Friction, Panther	197
High Voltage, Okolite	196
Insulating, Ruberoid	197
Paper, Micanite	201
Rubber, Dragon	197
Rubber, Okonite	196
Scotch, Electrical	197
Weather Resistant, Okoprene	196
Tappers, Portable, Cincinnati	355
Taps, Cable, Burndy	174, 175
Cable, T & B	180
Current, Hemco	219
Current, Hubbell	224, 225
Current, Signal, Hubbell	224
Gutter, Burndy	175
Gutter, T & B	180
Table, Hubbell	225
Tee, T & B	180
Tee Taps, T & B	180
Tees, Bulb, T & B	108
Conduit, Crouse-Hinds	90
Entrance, Crouse-Hinds	17
Telephone Batteries, Ray-O-Vac	436
Cells, Eveready	436
Knobs, Porcelain	189
Plates, Bryant	251, 252
Plates, Hubbell	251, 252
Telephone Systems, Edwards	397
Wire, National	155
Telephones, Apartment House, Edwards	396
Intercommunicating, Edwards	397
Temperature Controls, Allen-Bradley	349
Regulating Stand, Soldering Iron	362
Terminal Blocks, National	171, 172
Lugs, Burndy	177
Lugs, K & H	179
Terminals, Cable, Burndy	173, 174, 177
Current Transformer, Burndy	176
Sta-Kon, T & B	182
Wire, Bulldog	183
Wire, Sherman	185, 186
Terminators, Delta-Star	338
Test Light and Fuse Puller, Ideal	285
Testers, Ideal	332
Insulation, Ideal	359
Speed, Ideal	359
Voltage, Ideal	332
Test-Glo, Ideal	332
Te-Taps, Plug, Hubbell	224
Socket, Hubbell	224
Therapeutic Lamps, Carbon	415
Thermo-Grip Tools, Ideal	361
Thermostat Condulets	86
Control Wire, Rockbestos	167
Three-Lite Lamps, G-E	405
Time Switches, Paragon	286–288
Timers, Poultry House, Paragon	288
Toggle Bolts, Ackerman-Johnson	447
Switch Plates, Hubbell	251, 252
Switches, Flush, Hubbell	250, 258
Switches, Surface, Hubbell	257, 258
Tool Kits, Pocket, Klein	451
Tools, Electrical Metallic Tubing, Briegel	6
Setting, Ackerman-Johnson	446, 447
Soldering, Ideal	361
Sta-Kon, T & B	182
Thermo-Grip, Ideal	361
Wedge-On, T & B	181
Wrench and Reamer, T & B	7
Torches, Blow, C & L	462
Totelite, Paramount	435
Toy Train Lamps, G-E	411
Traffic Signal Lamps, G-E	409
Train Lighting Lamps, G-E	409
Lighting Lamps, Sylvania	413
Transformer Condulets, Explosion-Proof	95
Transformers, Allis-Chalmers	333
Auto, Jefferson	335
Bell Ringing, Jefferson	403
Chime, Edwards	402
Chime, NuTone	402
Control, Dongan	334
Control, Jefferson	336
Dongan	334
Doorbell, Edwards	402
Double Wound, Dongan	334
Double-Wound, Jeffersson	335
Mercury Lamp, Jefferson	336
Signaling, Dongan	334
Transformers, Signaling, Edwards	402
Signaling, Jefferson	403
Transite, J-M	198
Traps, Burglar Alarm, Edwards	396
Treads, Floor, Edwards	400
Tree Wire	169
Trips, Door, Burglar Alarm, Edwards	395
Trol-E-Duct, Bulldog	141, 142
Troughs, Wiring, Square-Duct	137
Tube Cutters, B-M	6
Holders, B-M	6
Tubelet Covers, T & B	106, 107
Gaskets, T & B	107
Tubelets, T & B	106
Tubes, Porcelain	190
Tubing, Asbestos, J-M	199
Electrical Metallic, Everdur	8
Electrical Metallic, National	6
Electrical Metallic, Republic	5
Flexible, National	35
Tubular Lamps, G-E	408
Lamps, Sylvania	413
Tumbler Switch Condulets, Explosion-Proof	97, 98
Switch Plates, Bryant	253, 254
Switches, Bryant	228
Switches, Flush, Bryant	228, 247–249
Switches, P&S-Despard	265, 266
Switches, Surface, Bryant	260
Turn Pins, Hardwood	450
Twist-Tite Cluster Receptacle, Hubbell	232

U

	Page
U-Bolts, Steel, O.Z.	12
Undercutters, Commutator, Ideal	358
Underfloor Wiring System, Nepcoduct	134–136
Union Boxes, Outlet	42
Boxes, Switch	42
Bushings, Bakelite	14
Bushings, Conduit	14
Bushings, Porcelain	191
Covers, Receptacle	43
Covers, Switch	43
End Bushings, Insulated	14
Lampholders	43
Lighting Fixture, Haymow	43
Receptacles, Pigtail	43
Sockets, Weatherproof	216
Unions, Conduit, Crouse-Hinds	89
Condulet, Explosion-Proof	105
Universal, Crouse-Hinds N	89
Universal Insulator Supports	192, 193
Uno Shadeholders	217

V

	Page
Vacuum Cleaners, Industrial, Ideal	360
Switches, Square D	352
Valves, Breather, Crouse-Hinds	104
Drain, Crouse-Hinds	104

	Page
Vaportight Condulets, Lighting	74–77
Fixtures, Condulet, GS Series	71
Fixtures, Condulet, Type ARB	72, 73
Lamps, Portable, Crouse-Hinds	77
VaproTex Portable Lamps	431
Varnished Cambric Cable, National	153, 154
Cambric Cable, Okonite	162
Cloth	201
Ventilating Fans, Kitchen, Emerson	368
Units, American Blower	380
Ventilators, Built-In, American Blower	379
Kitchen, Emerson	368
Window, Emerson	368–370
Ventura Fans, American Blower	373–379
Vibration Service Lamps, G-E	409
Voltage Regulators, Wirt	272
Testers, Ideal	332
Voltmeters, Portable, Weston	330
Switchboard, Weston	331

W

	Page
Wall Plates, T & B	19
Ward Leonard Resistors	354
Rheostats	354
Washers, Reducing, T &B	49
Watertight Conduit Fittings, T & B	7
Connectors, T & B	19
Devices, Hubbellock	240
Floor Boxes, T & B	107
Lamp Receptacles, Woodhead	216
Pushes, Edwards	401
Sockets, Woodhead	216
Stuffing Boxes, Crouse-Hinds	89
Wattmeters, Portable, Weston	330
Weatherproof Cable, Roebling	169
Fixtures, Bryant	211
Lampholders, Bryant	211
Outlets, Bryant	229
Weatherproof Plugs, Rubber, Safeway	226
Receptacles, Plug, Hubbell	231
Shadeholders	217
Sockets, Beniamin	420
Sockets, Bryant	205, 211–213
Sockets, Union	216
Sockets, Woodhead	216
Switches, Hubbell	259
Wire, Roebling	169
Wedges, Grounding, T & B	21
Wedgtite Hangers, Pipe, Crouse-Hinds	28
Westinghouse Bulbs, Rectigon	416
Weston Cells, Photronic	332
Clamp-Ammeter	331
Instruments, Portable	330, 331
Instruments, Switchboard	331
Meters, Sight	331
Winders, Cord, ProTex	431
Window Ventilators, Emerson	368–370
Wire, Boiler Room, Rockbestos	165
Building, National	143–146
Building, Roebling	156–158
Copper, Bare, Roebling	170
Extra Flexible, National	148
Fixture, Heat-Resisting	168
Fixture, National	145, 168
Fixture, Rockbestos	164
Flexible, National	148
Fuse, Buss	284
Ground, Armored, National	31
Grounding, Appliance, National	168
Lead, Appliance, National	168
Lighting, Rockbestos	165
Okolite-Okoprene	161
Rheostat, Rockbestos	165, 167
Slow Burning, Roebling	169
Stove, National	168
Stove, Rockbestos	167
Switchboard, Rockbestos	166
Telephone, National	155
Thermostat Control, Rockbestos	167
Tree	169
Weatherproof, Roebling	169
Wire Brackets, National	44
Wire Cleats, Porcelain	190
Connectors, Burndy	177
Connectors, Ideal	186
Connectors, T & B	182
Grips, Bulldog	183
Racks, Fletcher	443, 444
Solder	196
Solder, Kester	195
Splicers, T & B	181
Strippers, Ideal	453
Terminals, Sherman	185, 186
Terminals, Sta-Kon, T & B	182
Wireholders, National	440
Wiremold Fluorescent Units	121
Raceway	112–120
Strips, Fluorescent	120
Wire-Nuts, Ideal	186
Wiring Diagrams, Bryant	264
Diagrams, P&S-Despard	270
Systems, Underfloor, Nepcoduct	134–136
Troughs, Square-Duct	137
Wirt Regulators, Voltage	272
Switches	272
Whistles, Air, Federal	432
Wiss Cutters, B-X	453
Wood Boring Tool, Kett	448
Woodhead Connectors, Cord	226
Drop-Lite	430
Lamps, Portable	430
Plugs, Rubber	226
Receptacles, Outlet Box	216
Receptacles, Rubber	216
Sockets, Rubber	216
Sockets, Watertight	216
Sockets, Weatherproof	216
Wrench and Reamer Tool, T & B	7
Wrenches, Key, T & B	181

X

	Page
Xtensionduct Fittings, National	122
Xtensionduct, National	122

Y

	Page
Yarns, Asbestos, J-M	199
Y-Er Eas Lubricant	200

Electrical Catalog Department
The Jaqua Company
Grand Rapids 2, Michigan

OKONITE CABLE COVERINGS

These illustrations indicate some of the more familiar protective coverings available for Okonite wires and cables. Other types and designs are also available.



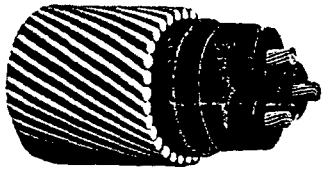
Okoprene ozone and moisture resistant coverings are used where corrosion and vibration destroy lead.



Saturated braid—made from cotton, linen, jute, asbestos, glass and other fibrous materials.



Lead sheath—lead is the best moisture protection—supplied pure or with hardening alloys.



Wire armor—for heavy-duty protection as on submarine cables, available with steel or non-ferrous metals.



Parkway finish—galvanized flat steel or non-ferrous tapes prevent mechanical damage to buried cables.



Interlocked tape—S-shape locked armor can be supplied in steel or non-ferrous metals.



Okoloom covering—This fire hose weave provides high resistance to abrasion and wear.



Metallic braid for shipboard cables or wherever a light steel, aluminum or copper armor is needed.

OKOLITE CABLES

FOR HIGH-VOLTAGE CIRCUITS



Okolite high-voltage wires and cables can be safely operated at all voltages up to 35,000 a.c. On x-ray cables they have been successfully operated at 110,000 volts. Okolite is particularly recommended for such specific conditions as:

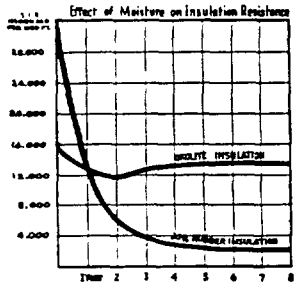
High-voltage circuits of almost every type
Interior Wiring
Underground Service
Portable Cables
Station Cables
Apparatus and Equipment Leads
Submarine Cables
Station Control Wiring
Communication Cables
Aerial Cables
Vertical Riser and Shaft Cables
X-ray Cables, Test Leads, Neon Sign Cables, Ignition Wire and other special applications.

Advantages of Okolite

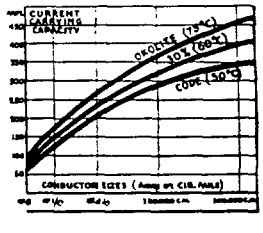
(1) Okolite excels ordinary rubber insulation in providing superior moisture and heat resistance, greater current-carrying capacity, higher breakdown voltage, lower specific inductive capacity. Can be operated at 75° C. (167° F.) copper temperature up to 8000 volts and at 70° C. (158° F.) for higher voltages.

(2) Okolite excels varnished cambric and paper cables, since no lead sheath is needed for many types of installation. Okolite saves weight and cost, eliminates electrolysis and simplifies splicing and terminating. In many cases, Okolite cables require no potheads. In addition, there is no oil or petrolatum to migrate and the dielectric loss is less than for Varnished Cambric.

Diameters and dimensions of Okolite are substationally the same as for Okonite wires shown on previous pages.



Effect of moisture on insulation resistance. The electrical characteristics of Okolite remain unchanged even after long immersion.



Relative continuous carrying capacity per phase of various conductor sizes of Okolite compared with ordinary rubber-insulated cables at 4150-volts.

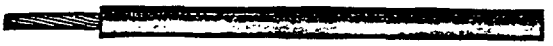
ROCKBESTOS PERMANENTLY INSULATED WIRES, CABLES AND CORDS

ROCKBESTOS 300-VOLT HEAT-RESISTING FIXTURE WIRES

The National Electrical Code stipulates that fixtures operating at not more than 300 volts between conductors which may be subject to temperatures in excess of 194° F. (90° C.), must be wired with either Type AF Fixture Wire or Types AFC, AFPO or AFPD Flexible Cord.

Rockbestos Fixture Wire is insulated with pure asbestos, felted and impregnated. It is heat-resisting and fireproof and is approved by the Underwriters' for lighting fixture use.

Single Conductor, Plain, Type AF—Table FS



White Insulation



Black Insulation

Supplied in two styles; plain and braided. The plain type has no braid and is generally employed in fixtures where the wiring is concealed. Supplied in black or white finish. Colors on order.

Single Conductor, Braided, Type AF—Table FS



Solid Color Braid

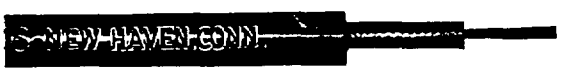


Solid Color Braid with Marker

Cotton or rayon braids are used on the braided type; standard colors mahogany, old gold, and black. Other colors on special order. Polarization accomplished by use of marker thread in braid.

Size A.W.G.	Stranding	Approx. Finished Diam., Inches Plain	Rayon Braided	Cotton Braided	Standard Shpg. Lengths (Ft.) Spools	Coils
10	105/30	.225	.240	.255	250	500
12	65/30	.199	.214	.229	250	500
14	41/30	.144	.159	.174	500	1000
16	26/30	.127	.142	.157	500	1000
18	16/30	.113	.128	.143	500	1000

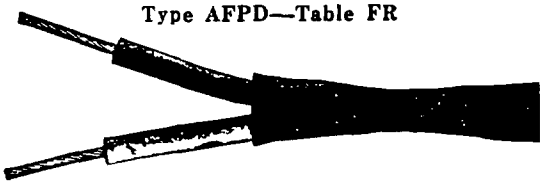
ROCKBESTOS HEATING CABLE — Table LH



This pliable easily formed cable, with its No. 19 AWG nickel chromium conductor insulated with .040" of felted asbestos and covered with a ¾" waterproof lead sheath, is ideal for the distribution of a mild, controlled heat when hooked up with a thermostat. It may be used to keep water, sewer and wet pipe sprinkler systems from freezing, as well as to maintain temperatures that insure steady flow in conveyor pipes for fuel oil, soap, varnish, ink, chocolate, sulphur, etc. Manufacturers of brooders, soil heating cable kits and other heating devices also find it useful.

ROCKBESTOS 300-VOLT HEAT-RESISTING FLEXIBLE CORD

Type AFPD—Table FR

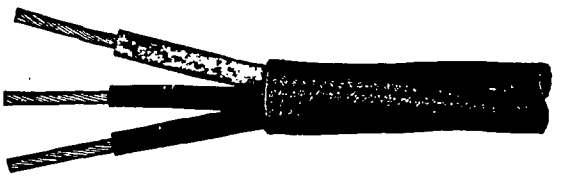


Designed for pendant lighting fixtures requiring a heatproof cord to support the weight of the fixture. The insulation will not dry out or crack at the socket and remains permanently flexible. Supplied with cotton or rayon braid and polarized conductors.

Size A.W.G.	Stranding	Approx. Finished Diam., Inches Cotton Braid	Rayon Braid	Standard Shpg. Lgths (Ft.) Coils
14	41/30	.318	.303	500
16	26/30	.284	.269	500
18	16/30	.256	.241	500

ROCKBESTOS 300 VOLT TRIPLEX HEAT RESISTING FLEXIBLE CORD

Underwriters' Type AFPD — Table FC



This Underwriters' approved flexible cord has the same characteristics as the Duplex Cord above but is designed for lighting fixtures having pendant outlet switches, two filament lamp fixtures, three-heat appliances and leads for apparatus, meters and testing. Supplied with black cotton or rayon braid and polarized conductors.

Size A.W.G.	Stranding	Approx. Finished Diam. Inches Cotton Braid	Rayon Braid	Standard Shpg. Lgths. (Ft.) Coils
14	41/30	.340	.325	500
16	26/30	.303	.288	500
18	16/30	.273	.258	500

ROCKBESTOS HEATER CORD

Underwriters' Type HPD



Rockbestos Heater Cord is approved by the Underwriters' Laboratories. Made in two grades, "3,000" and "10,000" cycle. Can be furnished in either 250 or 500 ft. coils. Also available in 250 ft. lengths on spools. Cotton, rayon or heavy duty twine braids.

Size A.W.G.	3,000 Stranding	10,000 Stranding	Carrying Capacity Amps.	Standard Shpg. Lgths. (Ft.) Spools	Coils
14	105/34	165/36	20	250	250
16	65/34	104/36	15	250	500
18	41/34	65/36	10	250	500

ROCKBESTOS ALL-ASBESTOS RHEOSTAT WIRE—CODE TYPE AIA

Insulated with felted and impregnated asbestos and finished off with a tough, braided asbestos jacket, this rheostat wire is recommended for open wiring on grids and faceplates, around furnaces, heater circuits and wherever else high temperatures will be encountered. Black or white braid as specified. Underwriters' approved.

600-VOLT—SOLID CONDUCTOR—Table A



Size A.W.G. Bare	Bare Diam. Inches	Approx. Finished Diam. Inches	Approx. Net Weight Per M Ft. Pounds	Standard Shipping Lengths (Ft.) Coils	Reels
0000	.460	.670	761	.....	500
000	.410	.620	620	.....	500
00	.365	.575	477	.....	500
0	.325	.535	388	.....	500
1	.289	.500	316	.....	500
2	.258	.430	248	.....	1000
3	.229	.400	202	.....	1000
4	.204	.375	167	.....	1000
5	.182	.355	138	.....	1000
6	.162	.335	121	500	1000
8	.128	.280	79	500	1000
10	.102	.255	58	1000	1500
12	.081	.235	42	1000	1500
14	.064	.215	34	1000	2000
16	.051	.205	28	1000	2000
18	.040	.190	24	1000	2000

ROCKBESTOS ALL-ASBESTOS POWER AND RHEOSTAT CABLE CODE TYPE AIA

600-VOLT—STRANDED CONDUCTOR—Table R



Size C.M.	Stranding	Bare Diam. Inches	Approx. Finished Diam. Inches	Net Lbs. Per M. Ft.	Standard Shpg. Lgths. (Feet) Coils	Reels
1,000,000	61 .1280	1.152	1.455	3456	.....	500
900,000	61/.1215	1.093	1.395	3126	.....	500
800,000	61/.1145	1.031	1.335	2796	.....	500
750,000	61/.1109	.998	1.300	2631	.....	500
700,000	61/.1071	.964	1.265	2470	.....	500
600,000	61/.0992	.893	1.195	2142	.....	500
500,000	37/.1162	.814	1.085	1812	.....	500
450,000	37/.1103	.772	1.045	1647	.....	500
400,000	37/.1040	.728	1.000	1482	.....	500
350,000	37/.0973	.681	.955	1317	.....	500
300,000	37/.0900	.630	.900	1219	.....	500
250,000	37/.0822	.575	.845	982	.....	500
A.W.G.						
0000	19/.1055	.528	.770	819	.....	1000
000	19/.0940	.470	.710	672	.....	1000
00	19/.0837	.418	.660	555	.....	1000
0	19/.0745	.373	.615	462	.....	1000
1	19/.0664	.332	.575	388	.....	1000
2	7/.0974	.292	.505	274	.....	1000
3	7/.0867	.260	.470	227	.....	1000
4	7/.0772	.232	.445	188	.....	1000
5	7/.0688	.206	.420	157	.....	1000
6	7/.0612	.184	.395	132	500	1000
8	7/.0486	.146	.320	87	500	.....
10	7/.0385	.116	.290	63	500	.....
12	7/.0305	.092	.265	48	1000	.....
14	7/.0242	.073	.225	38	1000	.....

Underwriters' approved. Specify Table RF for flexible stranded Apparatus or Jumper Cable.

ROCKBESTOS A.V.C.—CODE TYPE AVA BOILER ROOM AND LIGHTING WIRE

For lighting, control and power circuits in conduit or open. Designed especially for boiler rooms, steel mills, circuits around ovens, kilns, and other locations in which wire must withstand high temperatures. Underwriters' approved.

600-VOLT—SOLID CONDUCTOR—Table C



Size A.W.G. Bare	Bare Diam. Inches	Approx. Finished Diam. Inches	Approx. Net Weight Per M Ft. Pounds	Standard Shipping Lengths (Ft.) Coils	Reels
0000	.460	.710	800	.....	500
000	.410	.660	657	.....	500
00	.365	.615	543	.....	500
0	.325	.575	422	.....	500
1	.289	.540	348	.....	1000
2	.258	.480	279	.....	1000
3	.229	.450	231	.....	1000
4	.204	.425	193	.....	1000
5	.182	.405	160	.....	1000
6	.162	.385	138	500	1000
8	.128	.310	87	500	1000
10	.102	.285	62	1000	1500
12	.081	.265	47	1000	1500
14	.064	.245	38	1000	2000
16	.051	.235	31	1000	2000
18	.040	.220	27	1000	2000

The construction illustrated covers sizes 18 AWG to 8. Sizes 6 to 4/0 have an additional layer of felted asbestos next to the conductor. For stranded conductor in this construction, see Table E below which is made in sizes up to 2,000,000 C.M.

ROCKBESTOS A.V.C.—CODE TYPE AVA 600-VOLT POWER CABLE

COARSE STRANDED CONDUCTOR—Table E



Size C.M.	Stranding	Bare Diam. Inches	Approx. Finished Diam. Inches	Net Lbs. Per M. Ft.	Standard Shpg. Lgths. (Feet) Coils	Reels
1,000,000	61/.1280	1.152	1.465	3510	.....	500
900,000	61/.1215	1.093	1.405	3182	.....	500
800,000	61 .1145	1.031	1.345	2854	.....	500
750,000	61/.1109	.998	1.310	2689	.....	500
700,000	61/.1071	.964	1.275	2524	.....	500
600,000	61/.0992	.893	1.205	2193	.....	500
500,000	37/.1162	.814	1.115	1860	.....	500
450,000	37/.1103	.772	1.075	1692	.....	500
400,000	37/.1040	.728	1.030	1525	.....	500
350,000	37/.0973	.681	.985	1357	.....	500
300,000	37/.0900	.630	.930	1188	.....	500
250,000	37/.0822	.575	.875	1017	.....	500
A.W.G.						
0000	19/.1055	.528	.780	839	.....	1000
000	19/.0940	.470	.720	690	.....	1000
00	19/.0837	.418	.670	571	.....	1000
0	19/.0745	.373	.625	476	.....	1000
1	19/.0664	.332	.585	371	.....	1000
2	7/.0974	.292	.515	287	.....	1000
3	7/.0867	.260	.480	238	.....	1000
4	7/.0772	.232	.455	198	.....	1000
5	7/.0688	.206	.430	166	.....	1000
6	7/.0612	.184	.405	141	500	1000
8	7/.0486	.146	.350	100	500	.....
10	7/.0385	.116	.320	76	500	.....
12	7/.0305	.092	.295	59	1000	.....
14	7/.0242	.073	.275	46	1000	.....

Underwriters' approved. Also in 1000, 2000, 3000 and 5000 volt constructions.

ROCKBESTOS PERMANENTLY INSULATED WIRES, CABLES AND CORDS

ROCKBESTOS A.V.C.—CODE TYPE AVL
600 VOLT LEAD SHEATHED POWER CABLE

Coarse Stranded Conductor—Table EL



This cable is the same as the standard Rockbestos A.V.C. Power Cable, except that a lead sheath is substituted for the asbestos braid to permit use in lighting, power and control circuits exposed to high temperatures and possible submersion in water. Underwriters' approved.

Size, C.M.	Stranding	Bare Diam. Inches	Approx. Finished Diam. Inches	Net Lbs. Per M. Ft.	Standard Shpg. Lgths. (Feet) Reels
1,000,000	61/.1280	1.152	1.560	5613	500
900,000	61/.1215	1.093	1.505	5201	500
800,000	61/.1145	1.031	1.440	4783	500
750,000	61/.1109	.998	1.410	4570	500
700,000	61/.1071	.964	1.375	4356	500
650,000	61/.1032	.929	1.340	4140	500
600,000	61/.0992	.893	1.305	3923	500
550,000	61/.0950	.855	1.265	3786	500
500,000	37/.1162	.814	1.150	3161	500
450,000	37/.1103	.772	1.140	2944	500
400,000	37/.1040	.728	1.095	2724	500
350,000	37/.0973	.681	1.050	2500	500
300,000	37/.0900	.630	1.000	2269	500
250,000	37/.0822	.575	.945	2033	500
A.W.G.					
0000	19/.1055	.528	.815	1516	1000
000	19/.0940	.470	.735	1313	1000
00	19/.0837	.418	.705	1144	1000
0	19/.0745	.373	.660	1005	1000
1	19/.0664	.332	.620	890	1000
2	7/.0974	.292	.560	774	1000
3	7/.0867	.260	.495	663	1000
4	7/.0772	.232	.470	504	1000
5	7/.0688	.206	.440	454	1000
6	7/.0612	.184	.420	412	1000
8	7/.0486	.146	.370	348	1000
10	7/.0385	.116	.340	301	1000
12	7/.0305	.092	.320	267	1000
14	7/.0242	.073	.300	243	1000
16	7/.0193	.058	.285	224	1000
18	7/.0151	.046	.270	209	1000

ROCKBESTOS A.V.C.—CODE TYPE AVA
600 VOLT MOTOR LEAD CABLE

Flexible Stranded Conductor—Table L



For coil connections, motor and transformer leads; resistant to heat and moisture, vibration, oil, grease, corrosive fumes and flame. Asbestos and varnished cambric insulation and asbestos braid will not dry out, bake brittle, crack, bloom or swell. Underwriters' approved.

Size, A.W.G.*	Stranding Tinned	Bare Diam. Inches	Approx. Finished Diam. Inches	Net Lbs. Per M. Ft.	Standard Shpg. Lgths. (Feet) Coils	Reels
0000	259/.0286	.600	.850	875		1000
000	259/.0255	.536	.785	721		1000
00	259/.0227	.477	.730	592		1000
0	259/.0202	.424	.675	492		1000
1	259/.0180	.378	.630	415		1000
2	133/.0224	.336	.560	300		1000
3	133/.0199	.299	.520	248		1000
4	133/.0177	.266	.490	210		1000
5	133/.0158	.237	.460	173		1000
6	133/.0141	.212	.435	147	500	1000
8	133/.0112	.168	.370	104	500	
10	105/.010	.120	.320	76	500	
12	65/.010	.095	.295	59	1000	
14	41/.010	.075	.275	45	1000	
16	26/.010	.059	.260	38	1000	
18	16/.010	.045	.245	32	1000	

*Also in C.M. sizes up to 1,000,000 C.M.

ROCKBESTOS A.V.C.—CODE TYPE AVB
600 VOLT SWITCHBOARD WIRE—Table B



U. S. Pat. No. 1,840,282—1,861,404

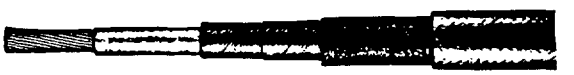
Rockbestos Switchboard Wire looks like the ordinary multi-layer varnished cambric type, but because it is insulated with the combination of asbestos and varnished cambric it has the added feature of being absolutely flame-proof.

The cushioning action of the felted asbestos also prevents braid-cracking on sharp bends. Standard braids are gray and black, colors or striped patterns on order. Underwriters' approved. For coarse stranded conductor specify Table BS. For Switchboard Bus Cable specify Table P.

Size A.W.G. Tinned	Bare Diam. Inches	Approx. Finished Diam. Inches	Approx. Net Weight per M Ft. Pounds	Standard Shpg. Lengths (Ft.) Coils	Reels
8	.128	.270	82	500	1000
10	.102	.245	59	500	1500
12	.081	.220	44	500	2000
14	.064	.200	34	500	2500
16	.051	.190	27	1000	2500
18	.040	.175	23	1000	3000

ROCKBESTOS A.V.C.—CODE TYPE AVB
600 VOLT SWITCHBOARD HINGE CABLE

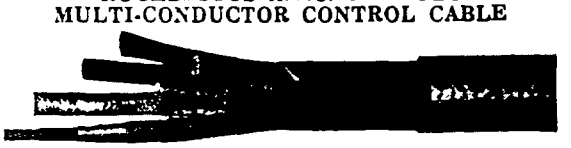
Flexible Stranded Conductor—Table BH



A companion wire to Rockbestos A.V.C. Switchboard Wire with flexible stranded tinned copper conductor for hinge or jumper connections on swinging panels, connections to swinging synchronizing meters, lamps, etc. Can also be used for conduit wiring where larger diameters cannot be accommodated. Heat, flame and moisture resistant asbestos and varnished cambric insulation covered with gray or black flameproof cotton braids. Solid color braids or striped patterns on order. Approved by the Underwriters.

Size A.W.G.	Stranding Tinned	Bare Diam. Inches	Approx. Finished Diam. Inches	Net Lbs. Per M Ft.	Standard Shpg. Lgths. (Feet) Coils	Reels
8	133/.0112	.168	.320	89	500	1000
10	105/.010	.120	.270	63	500	1500
12	65/.010	.095	.245	43	500	2000
14	41/.010	.075	.220	34	500	2500
16	26/.010	.059	.205	27	1000	2500
18	16/.010	.045	.190	22	1000	3000

ROCKBESTOS A.V.C. 600 VOLT
MULTI-CONDUCTOR CONTROL CABLE

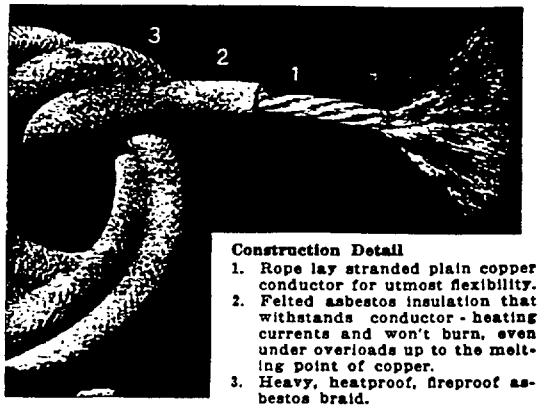


Designed for use in boiler rooms, power stations, steel mills, etc., under conditions too severe for control cables with other types of insulation which deteriorate rapidly when exposed to high temperatures. It will operate dependably under the attack of heat and moisture, oil, grease or corrosive fumes whether installed open or in conduit as it is insulated with asbestos and varnished cambric and covered with an asbestos braid. Standard strandings AWG No. 9—19/#22 or No. 12—19/#25 in multiples up to and including 19 conductors.

ROCKBESTOS PERMANENTLY INSULATED WIRES, CABLES AND CORDS

ROCKBESTOS EXTRA FLEXIBLE ALL-ASBESTOS APPARATUS CABLE

300 Volt—Rope Lay Stranding—Table W



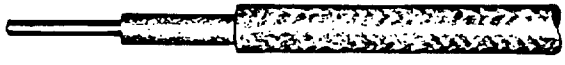
Construction Detail

1. Rope lay stranded plain copper conductor for utmost flexibility.
2. Felted asbestos insulation that withstands conductor - heating currents and won't burn, even under overloads up to the melting point of copper.
3. Heavy, heatproof, fireproof asbestos braid.

This 300 Volt extra flexible apparatus cable, with rope lay stranded copper conductor, felted asbestos insulation and asbestos braid, was originally designed as feeder cable for movie projector lamp houses, arc lamps, spot lights and effect machines generating extremely high temperatures. It has also been widely used for hinge connections on waffle bakers, grills, roasters, for blueprint machine leads and various heat producing appliances and equipment requiring a heatproof, fireproof cable having rope-like flexibility. Approved as Type AA by the Underwriters' Laboratories.

Size A.W.G.	Stranding	Bare Diam. Inches	Approx. Finished Diam. Inches	Net Lbs. Per M. Ft.	Std. Shpg. Lengths (Feet) Coils
0000	8464/#36	.675	.885	815	150
000	6713/#36	.600	.810	660	150
00	5292/#36	.550	.760	535	150
0	4214/#36	.470	.680	430	200
1	3332/#36	.425	.635	340	200
2	2646/#36	.365	.535	260	200
4	1666/#36	.280	.450	175	250
6	1050/#36	.215	.385	125	500
8	661/#36	.165	.315	80	500
10	413/#36	.130	.280	55	500
12	259/#36	.102	.255	39	1000
14	165/#34	.077	.230	30	1000
16	65/#34	.061	.215	24	1000
18	41/#34	.047	.200	20	1000

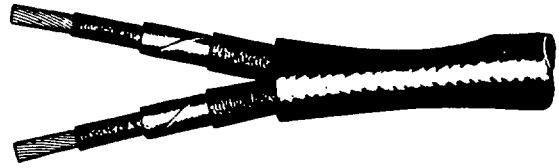
ROCKBESTOS 300 VOLT—Code Types AA and AIA ALL-ASBESTOS STOVE AND RHEOSTAT WIRE



Rockbestos Stove Wire with either solid, stranded or flexible conductor is widely used in cookers, hotplates, ovens, ranges, and other electrical heating devices. Felted asbestos "Hi-Temp" heat and flame resistant or "Moistemp" heat, flame and moisture resistant insulation and asbestos braid in black, white, red, blue or gray. Solid or stranded conductors of copper, monel or nickel.

Size A.W.G.	Bare Diam. Inches	Approx. Finished Diam. Inches	Approx. Net Weight per M. Ft. Pounds	Standard Shpg. Lengths (Ft.) Coils	Reels
8	.128	.280	79	500	1000
10	.102	.255	58	1000	2000
12	.081	.235	42	1000	2000
14	.064	.215	34	1000	2000
16	.051	.205	28	1000	2000
18	.040	.190	24	1000	3000

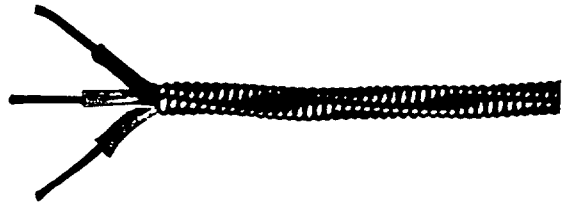
ROCKBESTOS A.V.C. 600 VOLT FLEXIBLE CORD — TABLE CV



This cord was originally developed to withstand heat, vibration and moisture in steam locomotive circuits and has since found its way into many other applications. Its laminated A.V.C. impregnated asbestos and varnished cambric insulation, and heat, flame and moisture resistant asbestos braid covering, will not dry out or crack. Recommended for use at operating temperatures up to 110° C. maximum in pendant lighting fixtures in steel mills, boiler rooms, kilns, glass plants, etc. Also for heat developing electrical equipment and high wattage lighting units that may be operated where moisture is prevalent. Approved by Underwriters' with polarized conductors as Type AVPD cord under 300 volt rating. Also made with three conductors. For extremely high temperatures where no moisture is encountered specify similar All-Asbestos constructions, Table CA—Duplex and Table CAC — Triplex.

Size AWG	Stranding Tinned	Approx. Finished Diam. In.	Approx. Net Weight M Ft. Lbs.	Standard Shpg. Lgths. (Ft.) Coils
10	105/30	.535	134	250
12	65/30	.485	101	500
14	41/30	.450	79	500
16	26/30	.420	64	500
18	16/30	.390	41	500

ROCKBESTOS THERMOSTAT CONTROL WIRE — TABLE TC



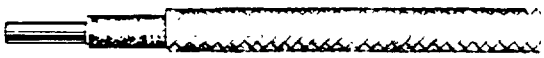
This heatproof, fireproof, armored multi-conductor control wire is ideal for low voltage signal and intercommunicating systems, automatic fuel burner control, etc. It is insulated with either .0125", .025" or (for 115 volt service) .031" of felted asbestos, polarized, and steel armored against abrasion and rodents. Made with 2 to 5 conductors in sizes 16, 18 and 20 AWG as listed below.

AWG	Number of Conductors	Approx. Finished Diam. In. Insulation Thickness .0125"	.025"	.031"	Standard Shpg. Lgths. (Ft.) Coils
16	2	.175	.225	.265	500
16	3	.185	.240	.285	500
16	4	.210	.270	.315	500
16	5	.235	.305	.355	500
18	2	.155	.205	.245	500
18	3	.165	.215	.260	500
18	4	.180	.240	.290	500
18	5	.205	.275	.325	500
20	2	.135	.185	.225	500
20	3	.145	.200	.240	500
20	4	.160	.220	.270	500
20	5	.180	.250	.300	500

NATIONAL ELECTRIC STOVE WIRE

TYPE AA—ALL-ASBESTOS

Listed by Underwriters' Laboratories, Inc.



Solid copper conductor. Felted asbestos. Asbestos braid. (White flame-and-heat resisting impregnation.)

For use in wiring stoves, ranges, hot-plates and other heating appliances. Suitable for operating temperatures as high as 200° C. (392° F.) in definitely dry places.

Solid Conductor—300 Volts
NEMA Standard No. 39-54 Table 14

Size AWG	No. and Size of Strands	Thickness Felted Asbestos	Thickness Asbestos Braid	*Nominal Over-all Diameter	Approx. Net Wt. Pounds M Feet	Std. Pkg.
18	Solid	.031	.045	.195	21	500C
16	Solid	.031	.045	.205	25	500C
14	Solid	.031	.045	.220	36	500C
12	Solid	.031	.045	.235	46	500C
10	Solid	.031	.045	.255	60	500C
8	Solid	.031	.045	.280	85	500C
6	Solid	.031	.045	.335	118	500R
4	Solid	.031	.045	.375	170	500R

Stranded Conductor—300 Volts
NEMA Standard No. 39-54 Table 45

18	7x.0151	.031	.045	.200	21	500C
16	7x.0193	.031	.045	.210	25	500C
14	7x.0242	.031	.045	.225	38	500C
12	7x.0305	.031	.045	.245	48	500C
10	7x.0385	.031	.045	.270	62	500C
8	7x.0486	.031	.045	.300	89	500C
6	7x.0612	.040	.045	.355	123	500R
4	7x.0772	.040	.045	.405	171	500R

*A tolerance of plus or minus 5 per cent is necessary on account of variations in process of manufacture.

Note: Can be furnished with black flame-heat-and-moisture resistant impregnation if moisture is likely to be encountered after the wire is placed in the device. Cable of this construction can be operated up to 125° C. (257° F.).

NATIONAL ELECTRIC FIXTURE WIRE

TYPE AF—HEAT-RESISTING—300 VOLTS

Listed by Underwriters' Laboratories, Inc.



Recommended for wiring lighting fixtures, electric ranges, radio apparatus, and as small motor leads. May be subjected to temperatures up to 125° C. (257° F.). Standard colors, plain type—black or white. Braided type—brown, old brass, or black with or without traced in cotton or rayon.

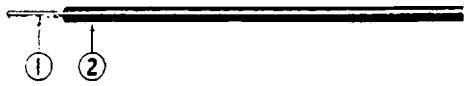
Size A.W.G.	No. and Size of Strands	Felted Asbestos Wall	Overall Diameter* Plain (No Braid)	Glazed Cotton	Rayon	Std. Pkg. Feet (Spool)
18	16x30	.031	.107	.135	.120	500
16	26x30	.031	.121	.150	.135	500
14	41x30	.031	.137	.165	.150	500
12	65x30	.040	.175	.205	.190	250
10	105x30	.040	.200	.230	.215	250
18	Solid	.031	.102	.130	.115	500
16	Solid	.031	.113	.145	.130	500
14	Solid	.031	.126	.155	.140	500
12	Solid	.040	.161	.190	.175	250
10	Solid	.040	.182	.210	.195	250

*In accordance with N.E.M.A. Standard and subject to a tolerance of plus or minus 5%.

Multiple conductor Type AFC, AFPO and AFPD assemblies made up with flexible type AF conductors and can be supplied on special order. The color and type of braid covering must be specified.

NATIONAL ELECTRIC APPLIANCE LEAD WIRE

300 VOLT—ALL-ASBESTOS



(1) Copper Conductor.
(2) Felted Asbestos (Impregnated).
(a) Type A Smokeless (flame-and-heat).
(b) Type AI moisture-resistant (flame-heat-and-moisture).

Appliance lead wire with smokeless insulation is recommended for wiring electrical appliances such as hot plates and toasters where high temperature and no moisture are encountered. Standard colors — Black, White, Red, Green Gray, Blue or Yellow.

Appliance lead wire with moisture-resisting insulation is recommended for wiring electric ranges, stoves, hot water heaters and other electrical appliances where both heat and moisture resistance are desirable. The insulation is moisture resisting but may smoke at approximately 300° F. Standard colors — same as above.

The above Appliance Lead Wires are available in sizes No. 8 to No. 18 A.W.G., solid or stranded conductor. Complete data on request.

NATIONAL ELECTRIC APPLIANCE GROUNDING WIRE

300 VOLT



(1) Copper Conductor.
(2) Felted Asbestos (Impregnated with flame-heat-and-moisture saturant).

Recommended for grounding metallic part of stove or electric range to ground wire as required in National Electrical Code. Color — Green.

Size AWG	Number and Size of Strands (Untinned)	Felted Asbestos Wall	Nominal Over-all Diameter	Approx. Net Wt. Lbs. Per M Ft.	Std. Pkg. Coil
14	7/.0242	.015"	.103"	16	1000'

AMERICAN BEAUTY HEATER CORD



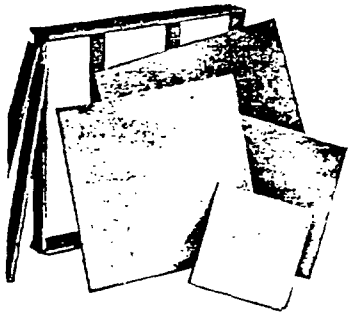
"American Beauty" Nos. 100-GB and 10-X GB are two-conductor heater cord with conductors twisted together under one gold-and-black outer covering. No. 97-RB is two-conductor heater cord, each conductor under separate red-and-black outer covering and then twisted together.

10,000 Cycle (Underwriters' Gold Label)

Cat. No.	Size B&S Gauge	No. of Conductors	Approx. Wt. Lbs. 1000 Ft.	Std. Pkg.	Price Per 1000 Ft.
100-GB	17	2	45	250-ft. spools	**$56.00**
97-RB	17	2	45	250-ft. spools	**57.00**
10X-GB	16	2	50	250-ft. spools	**60.00**
103T-GB	17	3	68	250-ft. coils	**103.00**
94-GB	14	2	55	250-ft. coils	**92.00**
92-GB	12	2	60	200-ft. coils	**162.00**
90-GB	10	2	70	200-ft. coils	**225.00**

J-M ASBESTOS EBONY AND TRANSITE

STANDARD TRANSITE



Transite is the leading fire-resistant material which is designed for use where dielectric strength is not required. It is composed of asbestos fibre and cement which are combined under tremendous pressure into a homogeneous, dense mass having great strength and unusual durability. It is light gray in color and weighs approximately 124 lb. per cu. ft.

Transite is adapted for use as a barrier wherever an arc may possibly occur. It is not an electrical insulator and it cannot be used for the mounting of current carrying parts as can J-M Asbestos Ebony although Transite's resistance to heat, flame and arc is substantially greater.

Transite is utilized for housing many types of electrical apparatus and for building various electrical appliances. A partial list of these follows:

Barriers between outdoor transformers, enclosing outside switches and other electrical equipment; for cable ducts and trays; resistance bases and housings; arc barriers or partitions; arc deflectors for controllers; and electric ovens, etc.

Nominal sheet sizes: ¼ to 2-inch thickness, 36x48, 42x48; ¼ to 2-inch thickness, 42x96, 48x48 and 48x96 inches.

Thickness In.	Wt. Lbs. Sq. Ft. Uncrated	Crated	Thickness In.	Wt. Lbs. Sq. Ft. Uncrated	Crated
¼	2.7	3.1	⅞	9.0	10.4
5/16	3.3	3.9	1	10.3	12.3
3/8	4.0	4.6	1¼	12.2	14.2
½	5.2	6.0	1½	14.6	18.0
⅝	6.5	7.5	1¾	17.0	20.5
¾	7.8	9.1	2	19.4	23.0

Prices on request.

ASBESTOS EBONY

J-M Asbestos Ebony is regularly furnished with a fine, smooth surface, lacquered on one side in deep, everlasting black "switchboard" finish.

It is a sheet, ebony-like in appearance, used for switchboards, controller plates, switch bases, bus-bar supports, etc. It is purely a mineral product, composed of asbestos fibre and binding cement, bonded under tremendous pressure, impregnated with a special insulating compound, and capable of enduring severe conditions. Because of its structure, it will withstand shock and vibration, is unaffected by rapid temperature changes, will not shrink, crack or buckle, and is uniform in texture throughout.

Size sheets: 1/8- and 3/16-inch thickness, 36x48 inches only; ¼- to 2-inch thickness, 42x48, 48x48, 42x96 and 48x96 inches; 2½- to 4-inch thickness, 42x48 and 42x96 inches.

Thickness In.	Wt. Lb. Sq. Ft. Uncrtd.	Crtd.	Thickness In.	Wt. Lb. Sq. Ft. Uncrtd.	Crtd.	Thickness In.	Wt. Lb. Sq. Ft. Uncrtd.	Crtd.
1/8	1.3	1.5	5/8	6.8	7.5	1¾	18.4	21.0
3/16	2.0	2.3	¾	7.9	9.0	2	21.1	24.0
¼	2.6	3.0	⅞	9.2	10.5	2½	26.0	30.0
5/16	3.4	3.8	1	10.6	12.0	3	31.2	36.0
⅜	4.0	4.5	1¼	13.2	15.0	3½	36.4	42.0
½	5.3	6.0	1½	15.8	18.0	4	41.5	48.0

Prices on request.

J-M ASBESTOS MILLBOARD AND PAPER

ASBESTOS MILLBOARD



Made of asbestos fibre and a suitable binder. Recommended for general uses requiring sheet or board as a fireproof lining for floors, partitions, ceilings, elevator shafts, ranges, stoves, grates, etc. Made in hard, medium and soft grades. Medium furnished unless otherwise specified.

Standard sheets 42x48 inches.

Thickness Inches	Wt. Lb. Per Sheet	Thickness Inches	Wt. Lb. Per Sheet	Inches Thickness	Sheet Wt. Lb. Per
1/32	2.5	1/8	9	3/8	25.2
3/64	3.5	5/32	11.3	1/2	32.5
1/16	4.6	3/16	13.3	5/8	40.0
5/64	6	1/4	17.6	3/4	46.6
3/32	7	5/16	21.4	.....	.....

ASBESTOS PAPER AND ROLL-BOARD



Made of long fibre asbestos. Its use is large and varied especially as a fire retardent. In rolls, 18, 24 and 36 inches wide. 50 or 100 pounds per roll.

Thickness, Inches ..	.015	.019	.022
Wt. Per 100 Sq. Ft., Lbs.	6	8	10
Thickness, Inches ..	.027	.029	.032
Wt. Per 100 Sq. Ft., Lbs.	12	14	16

Thickness, Inches	1/16	3/32	1/8
Wt. Per 100 Square Feet, Lbs.....	32	48	64

Prices on application.

JOHNS-MANVILLE ASBESTOS PAPER

For Neon-Sign Manufacture

J-M Doublex Asbestos Paper affords a permanent template for the glass blower's layout. It is flameproof, smokeless and does not become brittle; — factors which make for speed and accuracy and preservation for future use. It's high temperature resistance permits use of a hand torch to layout in making splices. The paper weighs approximately 10 lbs. per 100 sq. ft. (approx. .023" thick) and is supplied in 50 or 100 lb. rolls, 36 inches wide.

J-M FIBROID ASBESTOS PAPER TAPE



Thin, fireproof asbestos papers, made from specially selected fibre. Their use is particularly adapted to the electrical field, offering protection and insulation to such units as electrical heaters and thermal operating devices.

Thickness, Inches Nominal	Minimum	Maximum	Approx. Lbs. Per 100 Sq. Ft.	Approx. Lin. Ft. Std. Roll 7" Dia.	Approx. Feet 1" Wide Per Lb.
.012	.010	.014	4.2	260	300
.016	.014	.018	6.0	195	200
.018	.016	.020	8.0	175	150
.022	.020	.024	10.0	145	120
.026	.024	.028	12.0	120	100
.029	.027	.032	14.0	110	86
.032	.030	.035	16.0	100	75
.062	.060	.067	32.0	50	37

JOHNS-MANVILLE ASBESTOS LISTINGS

WOVEN TAPE



A fireproof, flexible woven tape suitable for wrapping all forms of wires, cables and coils and for motor and transformer windings. Listings are all closely woven and have a smooth surface with the exception of thicknesses 0.025-inch and lower which have a more open weave than the other styles as a more exact thickness must be maintained. No. 1096, is more closely woven and much stronger than No. 1091.

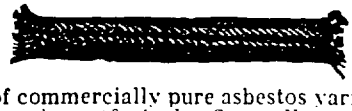
Width, Inches	Underwriter's Grade: No. 1055 plain, 0.020" thick	No. 1064 plain, 0.025" thick	No. 1065 plain, 1/32" thick	Commercial Grade: No. 1073 plain, 1/32" thick	No. 1091 wire-inserted, 1/16" thick	No. 1091 plain, 1/16" thick	No. 1096 plain, 1/16" thick
			Approximate Feet Per Pound				
½	240	166	122	122	64	84	76
¾	178	110	82	82	45	56	50
⅞	161	95	73	73	36	48	43
1	133	80	65	65	32	42	39
1¼	106	66	54	54	27	34	30
1⅜	94	61	48	48	25	31	28
1½	83	55	43	43	22	28	25
2	....	41	33	33	17	21	19
2½	....	....	....	....	13	17	15
3	....	....	....	....	11	14	13
			Approximate Feet Per Roll				
½	100	100	100	100	100	100	100
¾	100	100	100	100	100	100	100
⅞	100	100	100	100	100	100	100
1 to 3	150	150	150	150	150	150	150

JOHNS-MANVILLE ASBESTOS YARNS



Asbestos yarns can be furnished for all purposes where a heat resisting or fireproof material is required: packing flexible metallic tubing, braiding over wire, etc. Can be furnished commercially pure or higher graded, with or without wire. Prices on request.

J-M ASBESTOS BRAIDED TUBING



Made of commercially pure asbestos yarn braided into tubing ⅛ to 1⅜ inch. Generally used where a flexible protection against heat, flame or chemicals is desired and where asbestos in tubular form is the most convenient and practical to apply. Waterproofing and insulating compounds may be applied, when ordering state diameter of wire to be covered. Prices on request.

O. Z. INSULATING COMPOUND



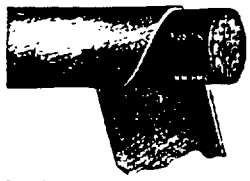
Approximate shipping weight, 10 lbs. per gallon. Prices on compound in steel drums will be sent on request.

Net Prices Per Gallon

Container Size	Quantity (Gals.) 1-9	10 or More
1 Quart	$1.75	$1.15
1 Gallon	3.00	2.00
5 Gallon	12.50	8.35

JOHNS-MANVILLE CABLE INSULATION

J-M NIAGRITE



Commercially pure asbestos felted tape, supplied in widths 1½, 2 and 3 in. and in thicknesses of ⅛ in. and ⅜ in. Unless otherwise ordered, 15-ft. rolls will be supplied. Niagrite is furnished in the following four types: Niagrite A, backed with asbestos cloth; Niagrite B, backed with a burlap cloth reinforcement; Niagrite C and Niagrite D, without reinforcement.

Niagrite D is not as high in quality as the other types and, especially when wet, is not as flexible or strong. Niagrite D is supplied only in ⅛-in. thickness, 2 or 3 in. wide. The type most generally selected is Niagrite B, which combines strength with economy.

A thickness of at least two ⅛-in. layers of Niagrite is recommended; the width should approximate the diameter of the cable.

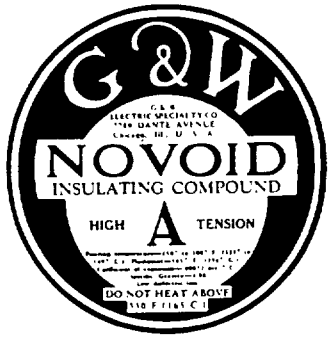
J-M ASBESTOMENT S

J-M Asbestoment S is an efficient refractory material furnished in powder form in 100-lb. bags. Mixed with water, it is applied as an outer protective coating over the Niagrite to a thickness of approximately ½ in., or at least ⅜ in. The material weighs 70 lb. per cu. ft., dry. The coverage, 1 in. thick per 100 lbs., is 12 sq. ft. Asbestoment S possesses high arc resistance, excellent workability and adhesive qualities. It is very low in alkalinity, not nearly as alkaline as cement and sand, and is not sensitive to contamination.

The Niagrite-Asbestoment combination consists of an outer refractory coating, which resists the shock of an impinging arc, and a softer inner felt wrapping, which protects the cable from the heat of arcs and manhole fires.

G & W INSULATING COMPOUND

G & W Novoid Insulating Compound is an excellent grade of asphaltic base material suitable for use in potheads, underground cable boxes and cable joints. When handled at the proper temperature a homogeneous dielectric filling with no voids will result.



NOVOID "A"—(Medium soft)—For usual installation of sealed potheads (capnut and disconnecting types).

NOVOID "C"—(Medium hard)—For straight through type potheads having no definite seal. For hot climates and exposures. For cable boxes and splice boxes.

JOHNS-MANVILLE SEALING COMPOUNDS



J-M Sealing Compounds are non-hardening putty-like adhesive materials designed for sealing operations of many kinds. They are easily applied, insoluble in water, will not slump, and will adhere to most clean surfaces. They weigh approximately 100 lbs. per cu. ft. and are furnished in 1 and 5 lb. pugs.

DUXSEAL

An asbestos base plastic sealing compound for electrical and laboratory uses. It is widely used for sealing between strands of copper conductors and as an easily formed water and gas tight plug around cables and wires at points of entry from ducts into manholes or cellars. Safe to use in contact with rubber or synthetic wire insulation — will not affect workmen's hands, metals or paints. Also widely used in laboratories to provide vapor tight connections between extemporized apparatus assemblies and for dams, plaster or lead moulds, etc. Remains plastic and workable between 125° F. and minus 40° F.

UNISEAL

An all-purpose sealing compound especially recommended for outdoor use. Uniseal is particularly effective for sealing duct and box closures, for closing open pipe ends, for smoothing mounting surfaces under street pedestals and for all general glazing and caulking work. It is chemically neutral on lead, brass, copper, galvanized iron, lacquers or varnish. Is not used against rubber. It has low water absorption, completely salvageable and is heat resistant to 200° F.

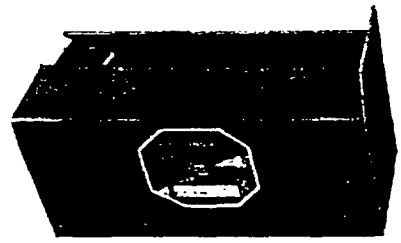
TRANOLSEAL

A non-slumping sealing compound for oil-filled apparatus. Tranolseal is designed for use against refined oils as employed in transformers, oil switches, etc. It is easily hand worked and may be applied outdoors at any temperature at which workmen can operate. It is highly water and vapor resistant, heat resistant up to 145° F. and has no effect on metals or painted surfaces.

PAKSEAL

An asbestos base sealing compound for ship use and structural concrete work. Aboard ship it is widely used in bulkhead openings to prevent passage of moisture, fumes, vermin or cargo dust. In heavy concrete work it provides rapid and effective sealing of joints between stonework and steel members, window casements and the like. It is plastic and workable between zero and 140° F., will not slump at high temperatures, excellent for weather exposure, metals and painted surfaces and remains plastic internally for years.

G & W CABLE SPLICING KIT



G&W furnishes, usually from stock, unit packages of electric cable splicing material, "Splicing Kits," for all standard and special joints on rubber, varnished cambric and paper insulated (solid type) power and telephone cables.

Each item is supplied in the correct quantity for a properly designed joint.

Time and expense of securing various items from different sources is saved.

Accumulation of dead stock is avoided. No waste.

All materials are kept clean and ready for use.

Each Unit Splicing Kit is labeled for easy identification.

Give complete cable data on inquiries and orders.

Y-ER EAS LUBRICANT
FOR PULLING ELECTRIC CABLES



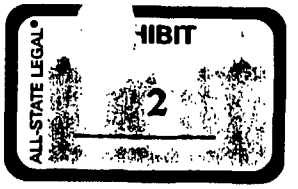
Y-ER EAS (wire ease) is a smooth creamy lubricant which dries rapidly in the air and in so doing shrinks in volume and becomes a light powder. Use on Lead-Rubber-Synthetic covered cables. Do not use on Asbestos covered cables.

Y-ER EAS has no injurious effects on insulation fabrics or conduits and is clean and easy to handle. It is not a grease. It will not spot wood or marble nor will it have any injurious effects on hands or clothing.

Y-ER EAS is packed in heavily paraffined sturdy wooden pails in the following quantities:

2 gal. pail (11 lbs. approx.).....per pail **$3.80**
3 gal. pail (13 lbs. approx.).....per pail **4.10**
4 gal. pail (19 lbs. approx.).....per pail **4.60**

Y-ER EAS carries the UL and Union labels.



(REVISED 10/23/01)

THE F. D. LAWRENCE ELECTRIC CO. GENERAL LIABILITY INSURANCE POLICY HISTORY 1978-1989*				
DATES (STARTING)	**(ENDING)**	**INSURANCE COMPANY**	**POLICY NUMBER**	**GENERAL LIABILITY COVERAGE LIMITS**
August 18, 1978	August 18, 1981	Grange Mutual Casualty Co.	MP-11717-01	$500,000
August 1, 1981	August 1, 1983	Northbrook Property & Casualty Ins. Co. (acquired by St. Paul Cos.)	BPP 0056686	$500,000
August 1, 1983	August 1, 1986	Federal Ins. Co./Great Northern Ins. Co. (Chubb Group)	3522 70 66	$500,000
August 1, 1986	August 1, 1988	Midwestern Indemnity Co. (acquired by Indiana Ins. Co.)	61-62257, 61-66686	$1,000,000
August 1, 1988	August 1, 1989	Liberty Mutual Ins. Co.	TB1-181-044442-028	$1,000,000

*No policy information is available for periods prior to 1978. After 1989, all policies contain express exclusions for asbestos exposure.