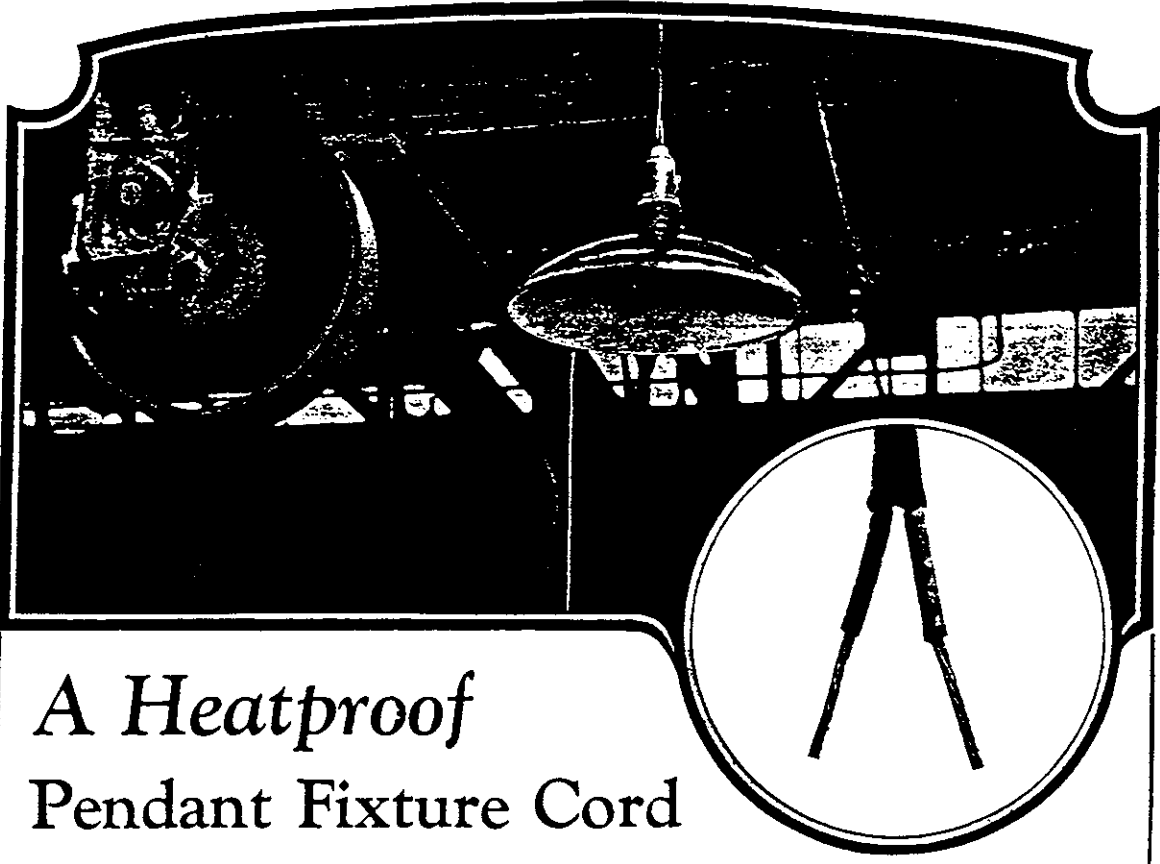


PLAINTIFF'S
EXHIBIT
E-173

Miscellaneous

RBB 00780



A Heatproof Pendant Fixture Cord

EVERY plant electrician knows of the troubles experienced with ordinary rubber drop cord.

Modern factory lighting practices call for high wattage gas filled lamps and these generate surprisingly high socket temperatures.

Even with lamps of comparatively low wattage, the high temperatures generated ruin the rubber insulation of ordinary drop cord and cause both mechanical and electrical trouble.

Now the National Electrical Code requires heat-resisting wire in all sockets and Rockbestos offers a wire for this purpose that is permanently insulated with the basic heat-resisting material—**asbestos**.

The insulation on **ROCKBESTOS** Fixture Wire is million year old asbestos, specially prepared and placed on the wire by the **ROCKBESTOS**

Process. Every fiber is saturated with flame-proof and moisture resisting insulating cements and the resulting sheath is burnished down by pressure to form a firm, dense, permanently flexible insulation which will not change or deteriorate in any way, even under temperatures up to 400°F. **ROCKBESTOS** Fixture Wire can never grow hard and brittle as rubber wire does.

Made in all wanted sizes, polarized for easy wiring and furnished with a tough braided cotton jacket.

Order direct or through your jobber. Specify "**ROCKBESTOS** Duplex Fixture Wire, black glazed cotton braid." Furnished also in triplex style.

Glad to send samples and socket heating data, too. Please send the coupon to

ROCKBESTOS PRODUCTS CORPORATION
360 NINTH ST. SAN FRANCISCO, CAL.

914 1ST AVENUE SO.
SEATTLE

430 COLYTON STREET
LOS ANGELES

ROCKBESTOS—*the wire with permanent insulation*

ROCKBESTOS PRODUCTS CORPORATION
360 Ninth Street, San Francisco, Cal.

Yes, send me a sample of your drop cord that can't deteriorate, also socket heating data. No obligation of course.

Name _____
Title _____
Company _____
Address _____

What makes Modern Fixtures Modern?

MODERN appearance is not enough by any means. The inside must be modern, too.

The modern trend in fixtures—higher wattages and better shading—was recognized by the Code in writing its new requirements that heat resisting wires shall be used in all sockets.

And this is only a matter of sound design. With modern high wattage lamps, socket temperatures regularly reach from 180° to 200° F.* and in pendant fixtures the entire wiring is exposed to what really amounts to a mild baking. No wonder that ordinary fixture wire shrivels, hardens, cracks and crumbles!

Now if you're going to use a heat-resisting wire why not go "whole hog"—do the thing right—by using wire insulated with the basic heat-proof material—*asbestos*. Which leads us to our favorite story.

When you handle ROCKBESTOS Fixture Wire you will see how supple, flexible and easy skinning it is—a fine product. These qualities are permanent. After installation the wire will not grow hard or brittle, crack or crumble with heat or age. Asbestos is a mineral millions of years old in its present form and is not subject to the deterioration that takes place in animal or vegetable matter from which ordinary insulating materials are made.

We simply prepare it, apply it to the wire and impregnate it with special insulating compounds by the ROCKBESTOS Process. It is then, literally, "the permanent insulation".

Let us send you generous samples and tell you about our new low prices. The coupon is handy but if you prefer to write address ROCKBESTOS Products Corporation, 329 Nicoll St., New Haven, Conn.

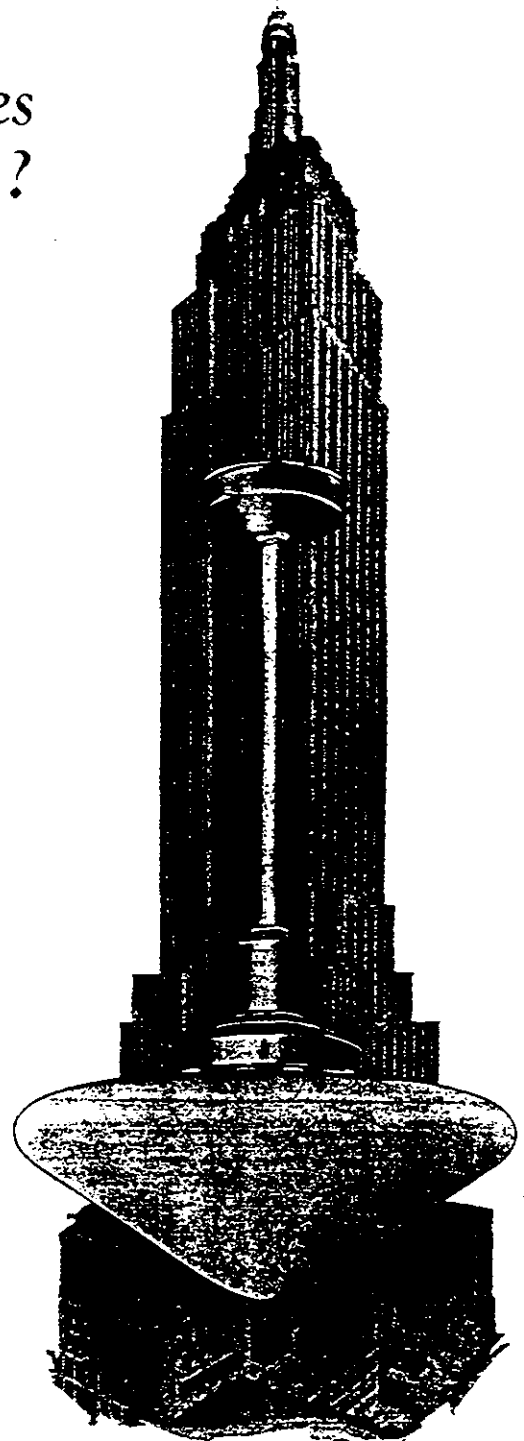
**Test data substantiating this statement sent on request.*

BRANCH OFFICES:—SEATTLE—SAN FRANCISCO—LOS ANGELES

ROCKBESTOS PRODUCTS CORPORATION
329 Nicoll Street, New Haven, Conn.

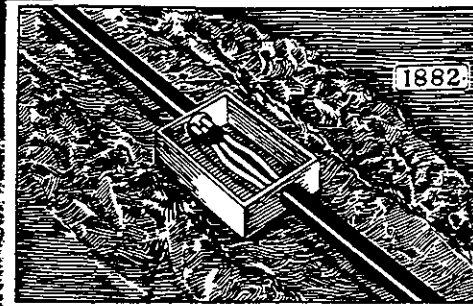
Your story interests me. Please send me, without obligation, samples and prices on ROCKBESTOS Fixture Wire.

Name _____
Title _____
Company _____
Address _____



Over 17000 Cox, Nostrand & Gunnison units ordered for Empire State Building.

The First Cable



DESIGNED ESPECIALLY

for
Secondary
Networks

1933

In 1882 Thomas A. Edison, "the father of electric light," struggled with the crude Kruesi tubes—rope-wound copper rods in iron pipe—in the first low voltage "network" distribution system in history.

But although improved electrical conductors were later put into use, the first cable designed especially for the single purpose of being used in low voltage distribution systems did not make its appearance until 1933—51 years later—and that was *Rockbestos* Secondary Network Cable.

The insulation of *Rockbestos* Secondary Network Cable is unlike any other kind of wire insulation. It is pure asbestos, inorganic and inert—millions of years old in its present form. This is processed on to the conductor and impregnated with an inorganic insulating compound which has the same fireproof, non-toxic and non-explosive characteristics as asbestos.

Power companies can now install cable in secondary network systems with full assurance that if faults do occur—no matter how severe—the cable will clear quickly and cleanly, without smoke, without fire, without giving off toxic or inflammable gases. Trouble crews go into manholes as soon as the fault has cleared. Manhole explosions are a thing of the past.

Every engineer charged with the responsibility of proper and safe operation of networks owes it to himself and his company to thoroughly investigate this new cable.

Many power companies already have, and eight are now making installations. We'd like to hear from you.

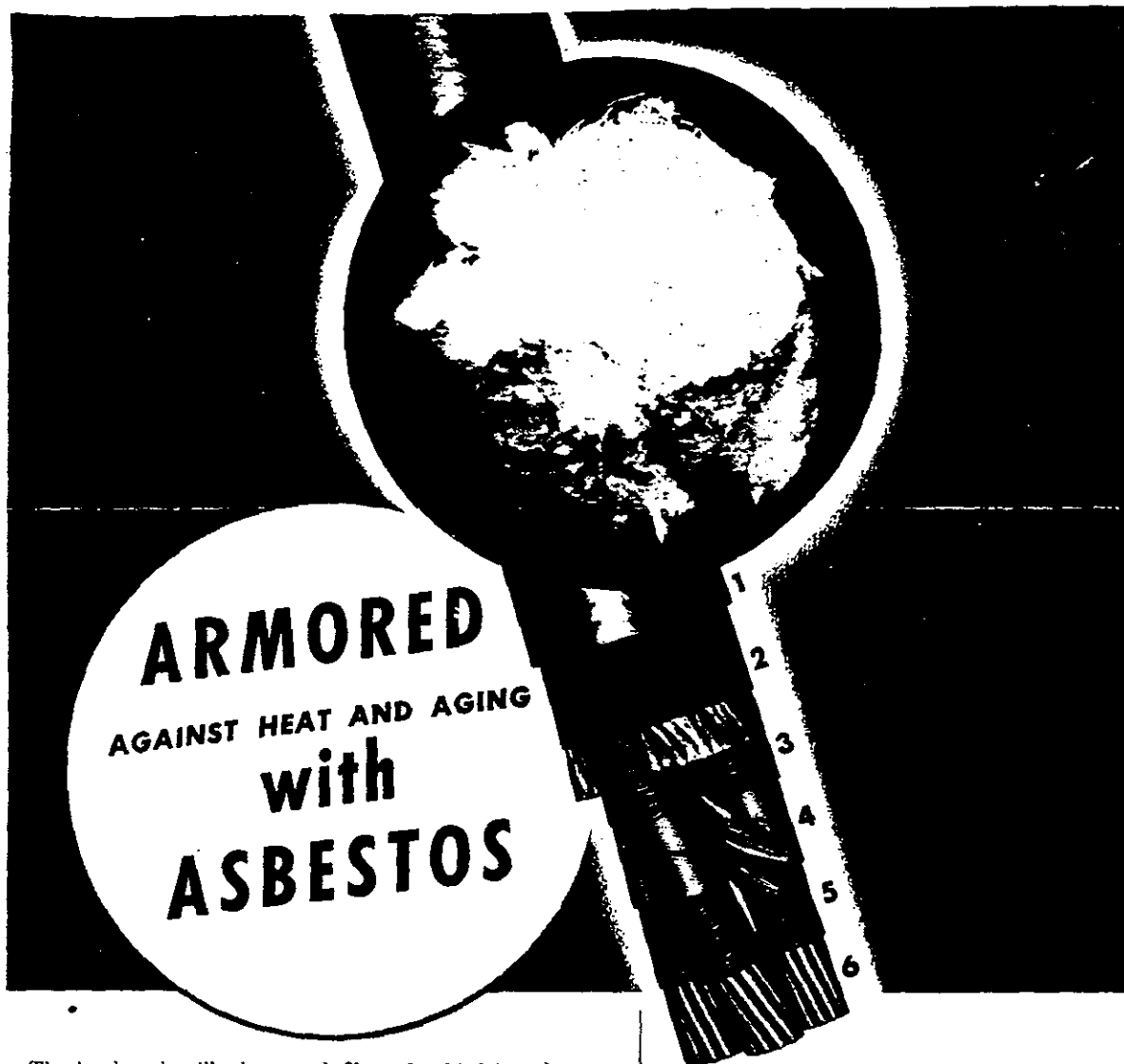
ROCKBESTOS PRODUCTS CORPORATION
NEW HAVEN, CONN.

Unretouched photograph of several cable ends taken at fault points. These ends were within a few inches of the point of the arc, the temperature of which is estimated to have been 3000°C. Note condition of insulation.

the wire with permanent insulation
ROCKBESTOS

Reprinted from the May 1934 issue of
Electrical Engineering

RBB 00838



ARMORED
AGAINST HEAT AND AGING
with
ASBESTOS

That's what the silky but tough fibres shredded from heat-proof, fireproof, age-resistant crude asbestos do for Rockbestos A.V.C. wires and cables. They actually *armor* them against baking heat, oxidation, rotting fumes, oil, grease, and even flame, with insulation that is *practically indestructible!*

This *permanent insulation* gives you cables that guarantee dependable operation of induced draft fans operating in high ambient temperatures over boilers—coal grinding mills, exhausters, boiler feed pumps, forced draft fans, ash slush pumps—or any equipment that must function without failure even though it has to operate under severe conditions.

For *permanent installations* that practically eliminate maintenance and replacement, use Rockbestos A.V.C. and All-Asbestos wires and cables—in 600 to 5000 volt ratings—single or multi-conductor—plain, lead sheathed or armored. Send for a catalog.

Rockbestos Products Corp., 131 Nicoll Street, New Haven 4, Conn.

ROCKBESTOS A.V.C.

The Wire with Permanent Insulation

NEW YORK BUFFALO CLEVELAND CHICAGO PITTSBURGH ST. LOUIS
LOS ANGELES SAN FRANCISCO SEATTLE PORTLAND, ORE.

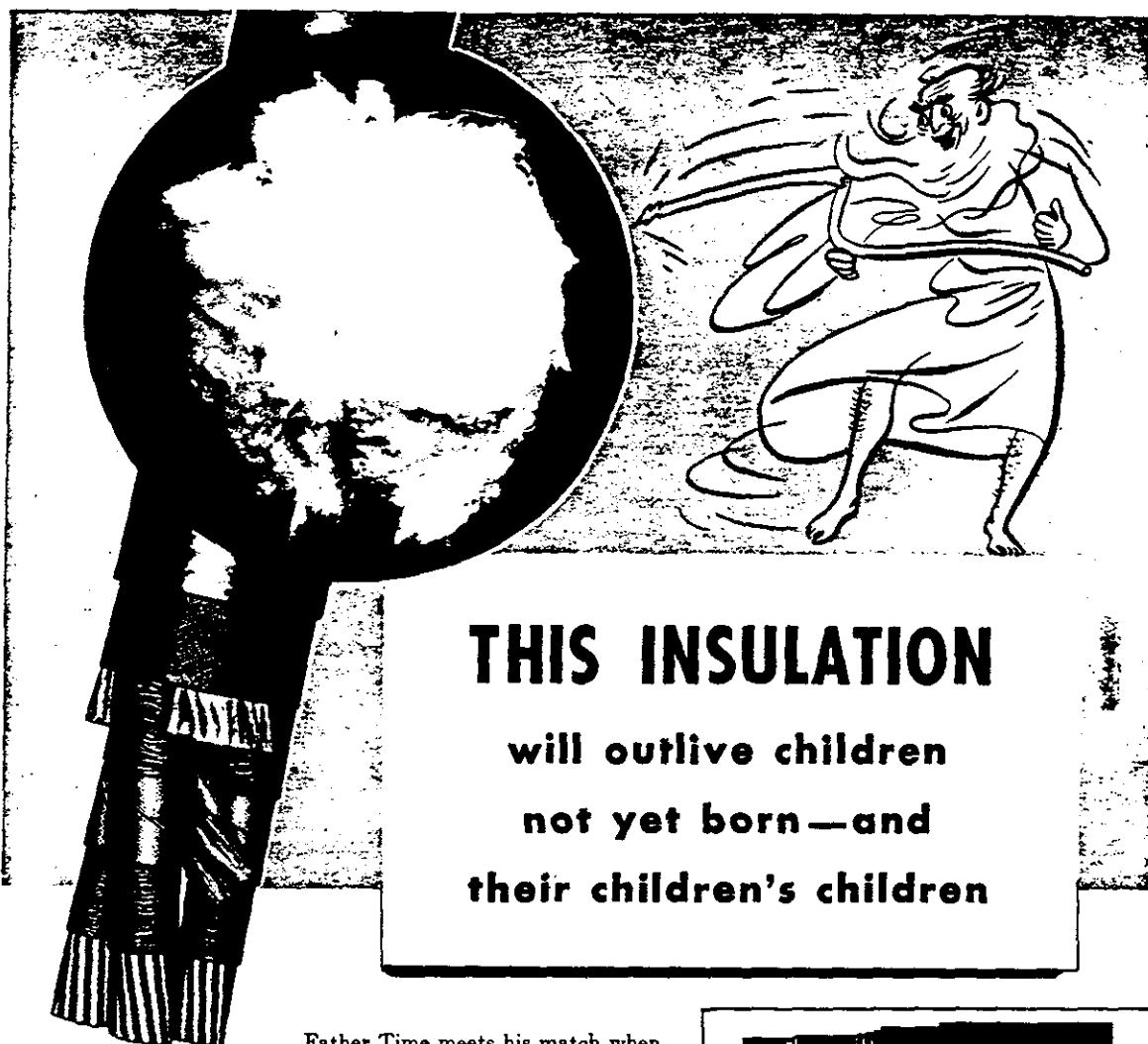


**A PERMANENT ROCKBESTOS CONSTRUCTION
THAT ASSURES LONG-LIVED SERVICE**

The Rockbestos A.V.C. 600 Volt Power Cable illustrated has individuals insulated exactly like our single conductor Power and Motor Lead Cables (maximum operating temperatures 110°C.) minus the outer braid:

- 1 A tough impregnated asbestos yarn braid, resistant to heat, flame, moisture, oil, grease and fumes.
- 2 Tape binds jute fillers (asbestos if required) and cabled assembly securely.
- 3 Heat, flame and moisture resistant impregnated felted asbestos insulation that won't dry out, crack or rot.
- 4 Asbestos-protected varnished cambric for high dielectric strength and added moisture resistance.
- 5 Inner wall of impregnated felted asbestos withstands conductor-heating overloads and won't bake brittle or burn.
- 6 Conductors are perfectly and permanently centered in helically applied non-flowing insulation that provides greater current carrying capacity.

One of 125 different constructions designed for severe or unusual operating conditions by Rockbestos.



THIS INSULATION

**will outlive children
not yet born—and
their children's children**

Father Time meets his match when you protect your hot-spot circuits with Rockbestos A.V.C. wires and cables. Their *permanent insulation* of ageless, impregnated asbestos not only withstands the march-of-time, but the life-shortening destruction of baking heat, rotting fumes, oil, grease, and even flame, because it is practically indestructible.

You'll find Rockbestos A.V.C. paying its way *in the worst places*—where ambient temperatures run high (as over boilers)—where sulphurous fumes rot ordinary cables (as in coal-burning power plants)—and in other installations where you can't afford trouble such as power leads to exhausters, boiler feed and ash slush pumps, precipitators, and forced and induced draft fans.

Solve your maintenance problems *in advance!* Save re-wiring time and cable costs by installing Rockbestos A.V.C. in your *short-life* circuits. 600 to 5,000 volt ratings include lighting and switch-board wires, lead sheathed or armored power and control cables and N. E. Code types. Write for a catalog.

ROCKBESTOS PRODUCTS CORPORATION
214 Nicoll St., New Haven 4, Conn.

ROCKBESTOS A.V.C.

The Wire with Permanent Insulation

NEW YORK BUFFALO CLEVELAND PITTSBURGH DETROIT CHICAGO ST. LOUIS LOS ANGELES SAN FRANCISCO SEATTLE PORTLAND, ORE.



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

Insulated with impregnated asbestos and varnished cambric and covered with asbestos braid, like single and three conductor power cable, this cable withstands high ambient and conductor temperatures in coil connections, motor and transformer leads. Also resistant to oil, grease, moisture and flame. Sizes 18 AWG to 1,000 MCM.



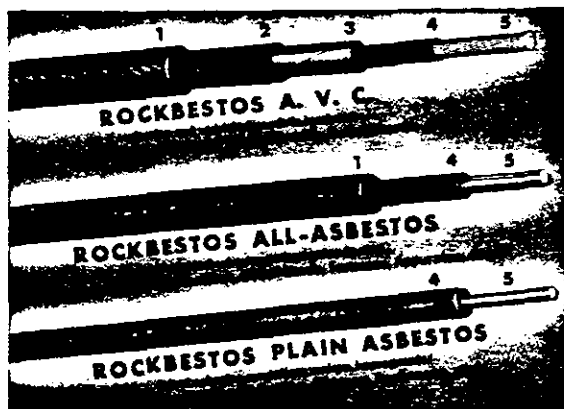
ROCKBESTOS A.V.C. 600 VOLT CONTROL CABLE

In one to 19 conductors with individuals insulated like Motor Lead Cable, coded cotton braids, and asbestos braid overall unless lead sheath, armor, or lead and armor are preferred. For permanent installations under high temperature and corrosive fumes and elimination of fire hazard. Standard strandings AWG 12—19/#25 and AWG 9—19/#22. Others on order. 125 different permanently insulated wires have been developed by Rockbestos to meet severe operating conditions.



860

PERMANENTLY INSULATED TO RESIST HEAT FUMES - OIL - GREASE - MOISTURE - FLAME



From the three basic designs illustrated Rockbestos has developed a complete line of 125 failure resisting wires, cables and cords, a few of which are described. All have the same performance guaranteeing characteristics detailed below. Write for a catalog or samples.

Rockbestos Permanent Insulation Insures Long-Lived Service

- 1 A tough impregnated asbestos braid, resistant to heat, flame, moisture, oil, grease, alkalis and corrosive fumes.
- 2 Felted asbestos insulation impregnated with heat, flame and moisture resisting compounds will not dry out with age, burn, or bake brittle under high temperatures.
- 3 Lubricated varnished cambric for high dielectric strength and added moisture resistance — protected from heat, flame and oxidation by felted asbestos walls.
- 4 Impregnated asbestos insulation that withstands heat of overloads and aging and won't become brittle, crack, rot or burn.
- 5 Conductors are perfectly centered in helically applied non-flowing insulation and will always remain so.

ROCKBESTOS 300 VOLT HEAT RESISTING FIXTURE WIRE (Underwriters' Type AF)

Sizes No. 10 to 18 AWG stranded plain copper conductor insulated with black or white impregnated felted asbestos— with or without braid.

Rockbestos asbestos insulated fixture wires, approved by the Underwriters' Laboratories for lighting fixture wiring, will not bake out under the high socket temperatures developed in modern high-wattage fixtures. Also used for small motor and apparatus leads, switchboards, etc.



ROCKBESTOS A.V.C. 600 VOLT SWITCHBOARD WIRE (National Electrical Code, Type AVB)

Sizes No. 14 to No. 20 AWG with varnished cambric and impregnated asbestos insulation and gray, black, white or colored flameproof braid.

Combine fire insurance and fine appearance in your switchboards with flame and heat resistant Rockbestos A.V.C. Switchboard Wire. Take right angle bends without cracking because asbestos wall acts as a cushion beneath braid. Rockbestos A.V.C. Hinge and Switchboard Bus cables have same characteristics.



ROCKBESTOS A.V.C. 600 VOLT POWER CABLE (National Electrical Code, Type AVA)

Sizes No. 12 AWG to 2,000,000 CM insulated with laminated felted asbestos, varnished cambric, and asbestos braid. Other constructions for service voltages to 5000.

This cable is recommended for power leads of heat-exposed equipment and circuits that run near boilers, steam lines, furnaces, kilns and other hot spots. It withstands high ambient and conductor temperatures and has ample moisture resistance.



ROCKBESTOS A.V.C. 600 VOLT CONTROL CABLE

In one to 12 conductors with individual insulated like Motor Lead Cable, cotton braid covered and coated with an asbestos braid over all. Standard strandings AWG No. 12—19/25 and No. 2—19/22. Other strandings on order.

Designed for applications requiring a multi-conductor control cable capable of withstanding high temperatures, corrosive fumes, oil, grease and moisture. It also eliminates fire hazard as it will not burn. Used by equipment manufacturers, power companies, steel mills.

ROCKBESTOS A.V.C. 600 VOLT BOILER ROOM WIRE (National Electrical Code, Type AVA)

Sizes No. 18 to 8 AWG insulated with varnished cambric, impregnated felted asbestos and asbestos braid. Sizes 8 to 4/0 have another wall of felted asbestos next to the conductor.

For lighting and control circuits exposed to heat and moisture, oil, grease, corrosive fumes or fire hazard around furnaces, ovens, lehrs, soaking pits, boilers, etc., this permanently insulated wire is ideal. It won't bake brittle, crack, rot, flow or swell.



ROCKBESTOS THERMOSTAT CONTROL WIRE

Sizes No. 14, 16 and 18 AWG in two to five conductors with .0125", .025" or (for 115 volt service) .031" of impregnated felted asbestos insulation and steel armor.

A multi-conductor wire for fuel burner controls, safety pilots, intercommunications and signal systems. Heatproof, fireproof insulation and steel armor give trouble-proof circuits.



ROCKBESTOS A.V.C. 600 VOLT MOTOR LEAD CABLE (National Electrical Code, Type AVA)

Sizes No. 18 AWG to 1,000,000 CM insulated with two walls of impregnated asbestos and a high dielectric varnished cambric insert, with a heavy asbestos braid overall.

Use this apparatus cable for coil connections, motor and transformer leads exposed to overloads or high ambient temperatures. It makes a permanent installation as it is resistant to heat, flame, oil, grease and moisture.



ROCKBESTOS ASBESTOS INSULATED MAGNET WIRE

Round, square and rectangular asbestos insulated conductors finished to meet varying winding conditions and coil treatment requirements.

Protect motors against heat-induced breakdowns with Class B windings of heat resisting magnet wire. Rockbestos A.V.C. Motor Lead Cable completes the failure-proofing.



ROCKBESTOS 300 VOLT HEAT RESISTING DUPLEX FLEXIBLE CORD (Underwriters' Type AFPD)

Sizes No. 10 to 18 AWG stranded plain copper conductors insulated with impregnated felted asbestos, polarized, twisted together and covered with a cotton braid.

This heat-resisting cord is approved for use in lighting fixtures and is recommended for pendant types as it does not dry out or crack at the socket. Also on apparatus and appliances which develop heat in operation or are used in hot, dry places. Twisted pair, tripled or triplex constructions also available.



ROCKBESTOS A.V.C. 600 VOLT FLEXIBLE CORD

Sizes No. 10 to 18 AWG with two or three conductors insulated with impregnated felted asbestos, varnished cambric, felted asbestos, covered with heavy impregnated asbestos braid.

A heavy duty, high-dielectric, heat and moisture resistant flexible cord used in locomotive cab circuits, high wattage lighting units, floodlights and for leads on apparatus exposed to heat. Specify polarized conductors if desired. For high temperature applications where resistance to moisture is not required specify All-Asbestos insulated constructions.



ROCKBESTOS ALL-ASBESTOS 600 VOLT RHEOSTAT CABLE (National Electrical Code, Type ALA)

Sizes No. 18 AWG to 1,000,000 CM insulated with a heavy wall of felted asbestos, covered with a rugged asbestos braid finished in black, white or colors.

Use this cable for wiring rheostats, switchboards, elevator and locomotive control panels and equipment exposed to heat, fumes or fire hazard — also for open power circuits in hot, dry locations. For flexible conductor specify Rockbestos All-Asbestos Flexible Apparatus Cable — for solid conductor, Rockbestos All-Asbestos Rheostat Wire.



WRITE NOW FOR
Your copy of the
new No. 10-F
Catalog

ROCKBESTOS PRODUCTS CORPORATION 228 NICOLL ST., NEW HAVEN 4, CONN.

NEW YORK BUFFALO CLEVELAND DETROIT
CHICAGO PITTSBURGH ST. LOUIS
LOS ANGELES OAKLAND, CAL.

SELECTED COMPOUNDS

in felted asbestos walls

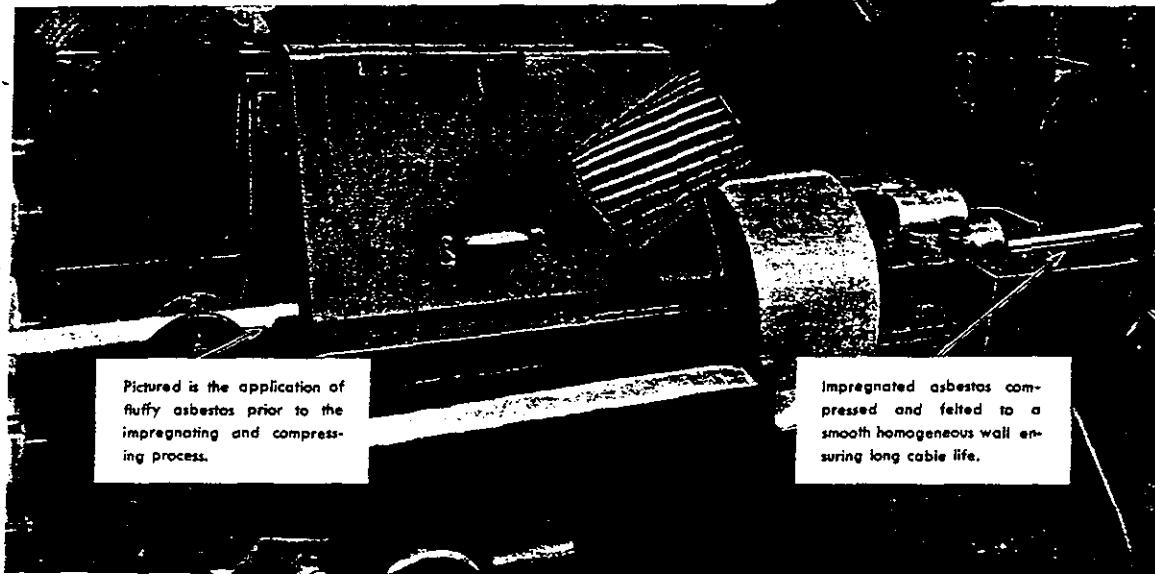
+ quality varnished cambric tapes

add up to

ROCKBESTOS A.V.C.

(N.E.C. TYPE AVA)

QUALITY



Pictured is the application of fluffy asbestos prior to the impregnating and compressing process.

Impregnated asbestos compressed and felted to a smooth homogeneous wall ensuring long cable life.



Compounds — specially selected compounds — which are used to impregnate asbestos walls, are one of the important reasons why you can count on Rockbestos A.V.C. for dependable, long lasting service.

For this impregnation, Rockbestos engineers not only set up rigid compound specifications but conduct a continuing testing program to insure that these standards are always met. Thus, the exactly right compound is applied to the asbestos wall at the correct temperature and at the correct pressure. The Result . . . the seamless, felted Rockbestos wall.

In Rockbestos A.V.C. impregnated felted asbestos walls seal varnished cambric tapes away from air and moisture. The tapes are made to Rockbestos specifications and are applied under controlled methods assuring uniform dielectric strength.

Rockbestos A.V.C. gives you long life and dependable service under every type of operating condition . . . in temperatures up to 230°F.

Complete construction and test specifications of Rockbestos A.V.C. are in the new booklet "Specification RSS-88".

Write today for your copy.

ROCKBESTOS PRODUCTS CORP.

NEW HAVEN 4, CONNECTICUT

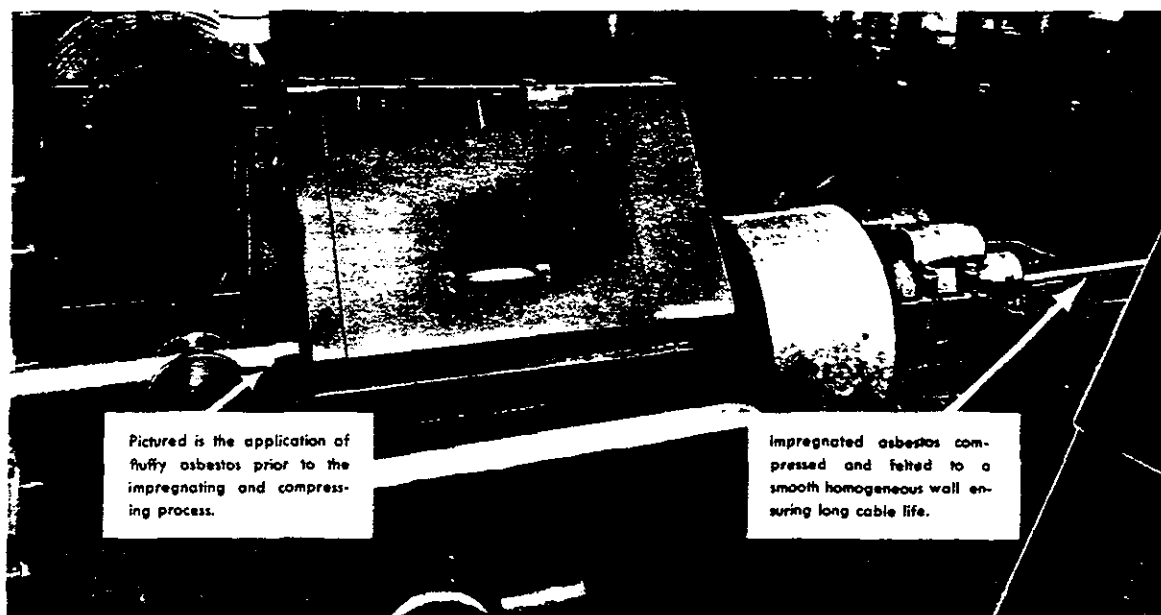
NEW YORK • CLEVELAND • DETROIT • CHICAGO • PITTSBURGH • ST. LOUIS
LOS ANGELES • NEW ORLEANS • OAKLAND, CALIFORNIA • SEATTLE



STOCKED COAST TO COAST
Standard Rockbestos A.V.C. construction (N.E.C. types AVA, AVB, etc.) are available for immediate shipment. Call or write nearest branch office.



Advertisement in the October issue of *Electric Light & Power*, *Electrical Construction & Maintenance*, *Electrical Engineering*, *Electrified Industry*, *Iron & Steel Engineer*, 1956; October 15 issue of *Electrical World*, 1956; November issue of *Electrical West*, *Plant Engineering*, 1956.



Pictured is the application of fluffy asbestos prior to the impregnating and compressing process.

Impregnated asbestos compressed and felted to a smooth homogeneous wall ensuring long cable life.

It's the **ROCKBESTOS** ASBESTOS VARNISHED CAMBRIC COMBINATION

**Beneath the Braid
that Assures Long Cable Life**

Seamless Felted Asbestos Walls

+ **Impregnation with selected compounds**

+ **Quality Varnished Cambric Tapes**

N.E.C. Type AVA Wire and Cable may look alike on the surface. But a look under the braid will quickly show why the Rockbestos A.V.C. gives longer lasting service.

First, two dense, uniformly impregnated felted asbestos walls seal the varnished cambric tapes. They keep the dielectric strength high . . . give added strength against damage and flexing.

Second, the varnished cambric tapes are made to our own exacting specifications which incorporate standards beyond those called for by industry.

Add to this, thirty years of know-how in the application of asbestos and VC Tapes to Rockbestos A.V.C. and you get wires and cables that eliminate costly rewiring jobs and expensive maintenance . . . assure long cable life.

Write for the new booklet "Specification RSS 88" which gives complete construction and test specifications.

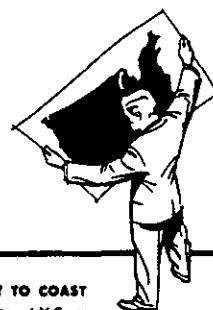


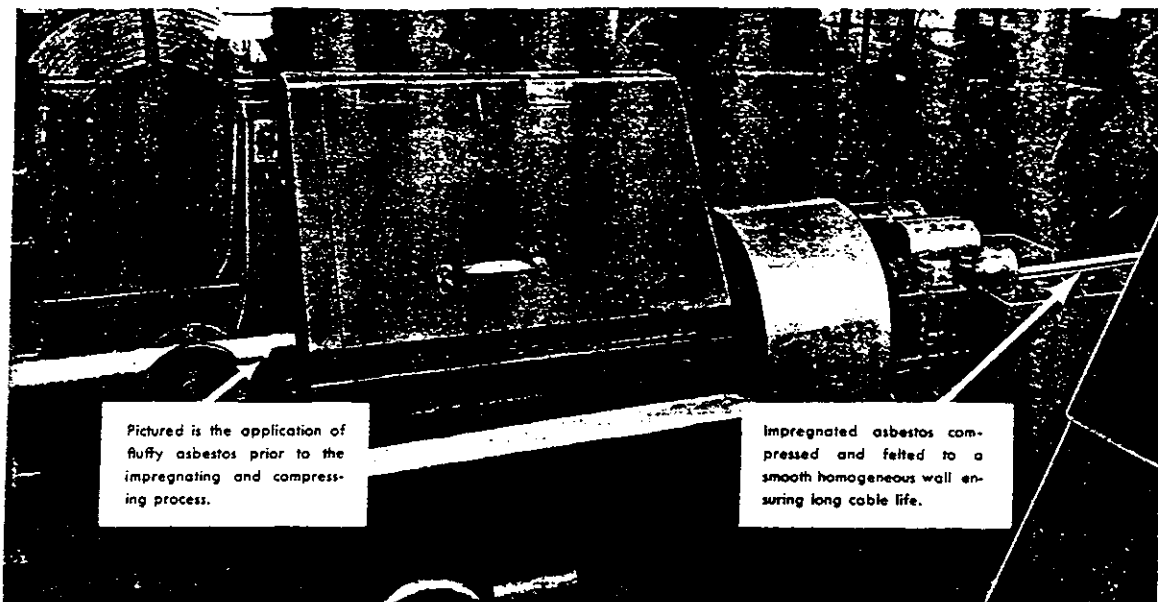
ROCKBESTOS PRODUCTS CORPORATION
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STOCKED COAST TO COAST

Standard Rockbestos A.V.C. construction (N.E.C. types AVA, AVB, etc.) are available for immediate shipment. Call or write nearest branch office.





Pictured is the application of fluffy asbestos prior to the impregnating and compressing process.

Impregnated asbestos compressed and felted to a smooth homogeneous wall ensuring long cable life.

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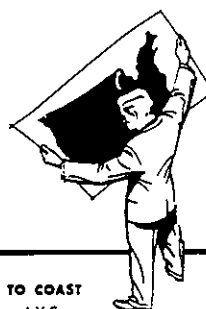


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STOCKED COAST TO COAST

Standard Rockbestos A.V.C. construction (N.E.C. types AVA, AVB, etc.) are available for immediate shipment. Call or write nearest branch office.



Advertisement in the March issue of *Electrical Construction & Maintenance*, *Electrified Industry*, 1957;
March 4 issue of *Electrical World*, 1957.

This is One foot of Rockbestos PNR[®]*

Over 10 million feet of this
600 VOLT Control Cable is
already in use in hundreds of utilities,
steel mills, oil refineries and industrial plants.
Rockbestos PNR is the ideal control cable for
many coal preparation plant operations. Get all the
details on PNR — write now for the new, free catalog.

ROCKBESTOS PNR FEATURES INCLUDE:

46% smaller in area . . .
28% smaller in diameter . . .
than conventional control cable.
Use smaller conduit and fittings or put
more conductors in existing conduit.
Lighter, easier to handle, store,
ship, pull through conduit.

Dielectric breakdown . . . over
40 times operating voltage.
Rated 600 volts . . . conductor
operating temperature 167°F.
Flexible from 167° to -67°F.
No cracking!

WRITE TODAY FOR COMPLETE DETAILS ON ROCKBESTOS PNR.



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*P — polyethylene, N — nylon, R — Rockhide (PVC)

RBB 00814

Advertisement in the April issue of *Coal Age*, 1957.

PRINTED IN U. S. A.



Mining motors

for heavy-duty mine equipment

depend on performance-proven

ROCKBESTOS A.V.C.

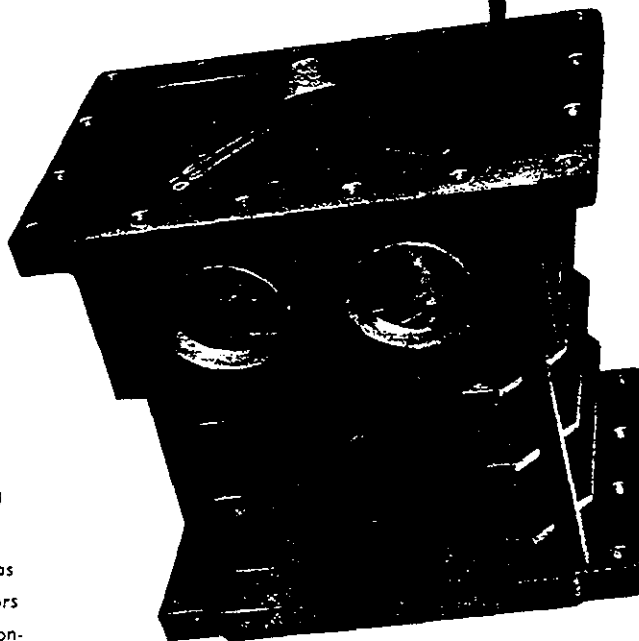
In building motors for heavy-duty coal mining machinery, leading motor manufacturers depend on performance-proven Rockbestos A.V.C. Motor Lead Cable.

For example, in building motors for use in Joy Manufacturing Company's 208U-1 high capacity loader, the manufacturer specified and used Rockbestos Motor Lead Cable. This cable not only withstands oil and grease but also gives protection against starting overloads, high ambient temperatures and the many other operating tortures of heavy-duty mining equipment.

This Rockbestos A.V.C. Motor Lead Cable has also been performance-proven in mill motors and other heavy-duty stationary and traction-type motors.

You, too, can get trouble-free wire performance by specifying and using Rockbestos A.V.C. Motor Lead and Apparatus Cable. Remember, it'll keep its flexibility indefinitely — won't rot or bloom when exposed to grease — won't burn or carry flame.

Write today for full details — ask for Specifications RSS-98



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PRODUCTS CORPORATION

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RBB 00807

ROCKBESTOS Can Fill Your Wire and Cable Needs from its Chicago Warehouse

These quality Rockbestos wires and cables are regularly stocked for your needs at Rockbestos' Chicago warehouse. For complete details on these and other Rockbestos wires and cables visit us at **Booth 212** at the Electrical Industry Show.



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Rockbestos A V C
(N.E.C. Type AYA) Power Cable



Rockbestos Varnished Cambric
power cable



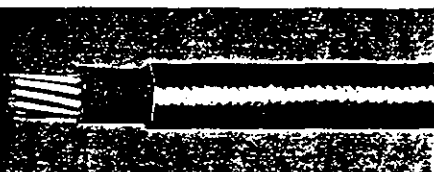
Rockbestos A V C
(N.E.C. Type AVB) Switchboard wire
Solid or Stranded



Rockbestos N.E.C. Type TA
Switchboard and flexible hinge cable
— solid, stranded and flexible stranded



Rockbestos PNR
600 volt small diameter control cable



Rockbestos N.E.C. Type ATA
Rheostat wire



Rockbestos N.E.C. Type AA Motion picture cable

RBB 00805

Advertisement in the May issue of *Chicago Electrical News*, 1957.

PRINTED IN U.S.A.

Performance-Proven

that's the Success Story of
ROCKBESTOS A.V.C.
 Motor Lead Cable

standard equipment for heavy-duty mining machinery motors.

Today hundreds and hundreds of motors in heavy-duty mine machinery give continuous trouble-free performance, thanks to Rockbestos A.V.C. Motor Lead Cable.

This Rockbestos cable was designed for use where oil and grease resistance is important, where protection against high ambient temperatures, starting overloads and other operating tortures is of prime importance. And Rockbestos A.V.C. Motor Lead Cable is standard equipment in motors used by leading mining machinery manufacturers such as Goodman, Jeffery, and Joy.

This Rockbestos cable is also performance-proven in mill motors and other heavy-duty stationary and traction-type motors.

You, too, can get trouble-free wire performance in your motors by specifying and using Rockbestos A.V.C. Motor Lead and Apparatus Cable. It keeps flexibility indefinitely — won't bloom or rot, when exposed to grease — won't burn or carry flame.



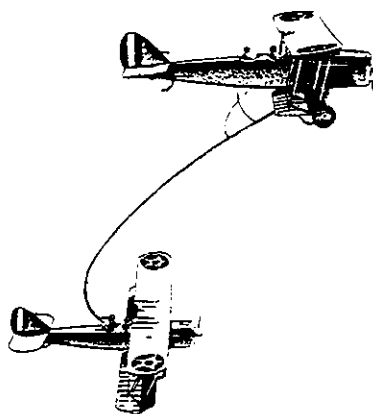
Be sure to get this quality cable — specify Cable ML, Rockbestos A.V.C.



ROCKBESTOS

PRODUCTS CORP. • NEW HAVEN 4, CONN.
 NEW YORK, CLEVELAND, CHICAGO, PITTSBURGH, LOS ANGELES,
 DETROIT, ST. LOUIS, NEW ORLEANS, OAKLAND, SEATTLE

RBB 00791



Another
famous
plane

PROVEN IN SERVICE

1923

Two DeHavilland DH-4B's achieve first mid-air refueling. With the aid of the mid-air refueling, two Army pilots stayed aloft four days over San Diego, California.

Thirty-five years ago, mid-air refueling was front-page news — today it is a commonplace occurrence, typical of the tremendous strides made by the aviation industry.

And keeping pace with aviation's growth, Rockbestos high temperature wire and cable has earned a proven-in-service reputation. Today many Rockbestos Aviation wires, produced to the continually high standards of the aviation industry, are integral parts of the nation's aircraft and missiles.



ROCKBESTOS HEATZONE AIRCRAFT WIRE

Typical of the many Rockbestos Aviation Wires which cover a temperature range from 257°F to 750°F is this Rockbestos HEAT-ZONE® — a 400°F wire for power, control and communication circuits made in accordance with MIL-W-7139A. It is ideal for general purpose aircraft wiring because it has excellent

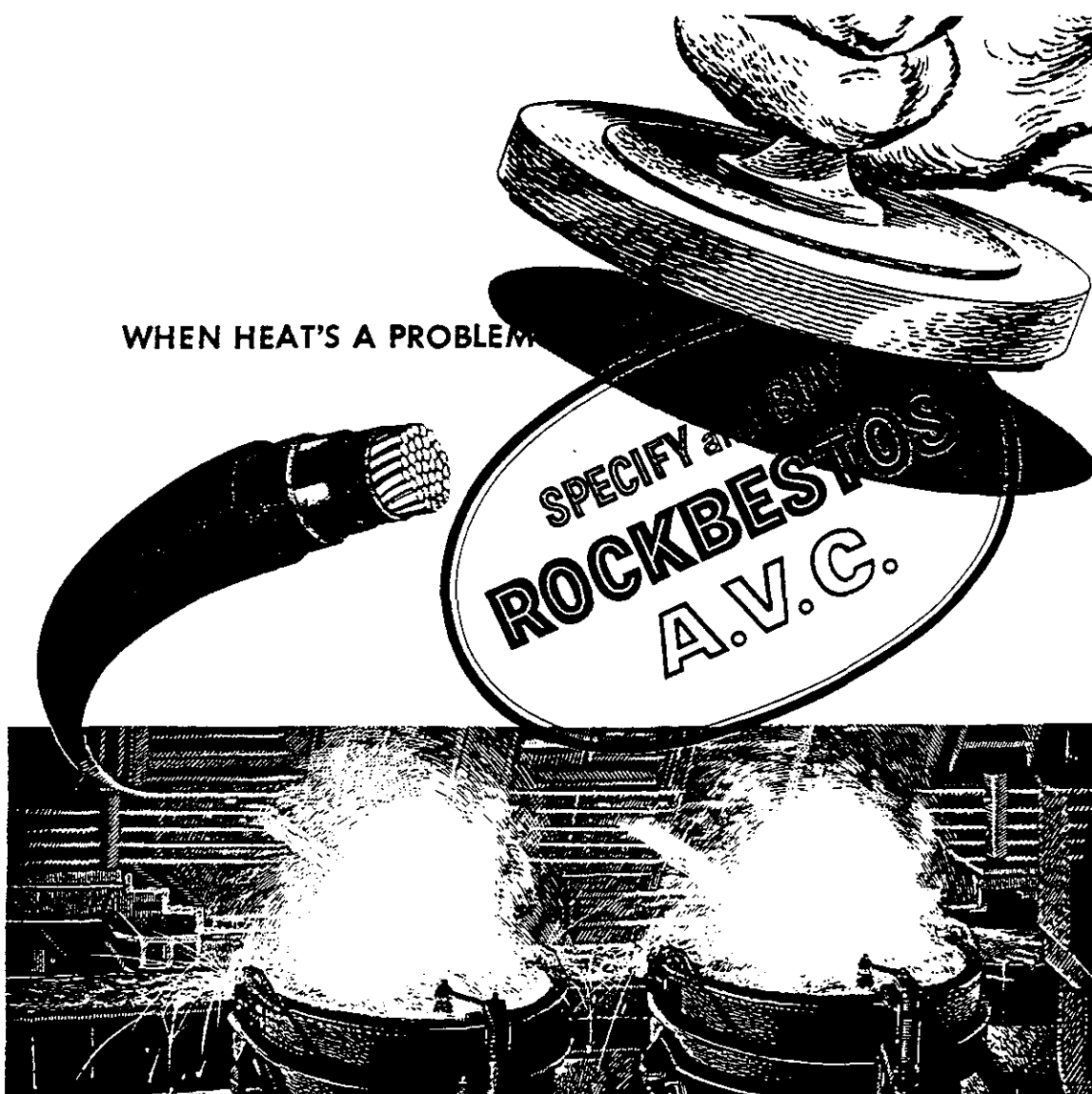
resistance to flame, moisture, gasoline, fungus, alcohol, grease, oil and hydraulic fluids. It has high dielectric strength and excellent flexibility at low temperatures (-55°C). It is especially recommended for high impedance circuits.

For complete specifications on Heatzone and other Rockbestos aviation wires, write for catalog 56A. If you have a special requirement, please send us your specifications.

ROCKBESTOS PRODUCTS CORPORATION
AIRCRAFT WIRE NEW HAVEN 4, CONNECTICUT
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RBB 00786

WHEN HEAT'S A PROBLEM



Steel Mill and Foundry "hot spots" provide one of industry's worst torture chambers for wire and cable. Heat, overloads and corrosive fumes combine to kill ordinary cable quickly.

Don't take a chance on ordinary cable for troublesome "hot spot" applications. Specify and use Rockbestos A.V.C.

This superior AVA cable, with asbestos, varnished cambric insulation, takes temperatures up to 230°F, assuring continuous operation in hot spot applications, provides greater

current carrying capacity for increased and new loads.

When you specify and buy Rockbestos A.V.C., you reduce your electrical maintenance and construction costs . . . you get years more dependable service.

Write now for the new Rockbestos RSS-88 to help you specify and buy Rockbestos A.V.C.

ROCKBESTOS PRODUCTS CORPORATION
NEW HAVEN 4, CONNECTICUT

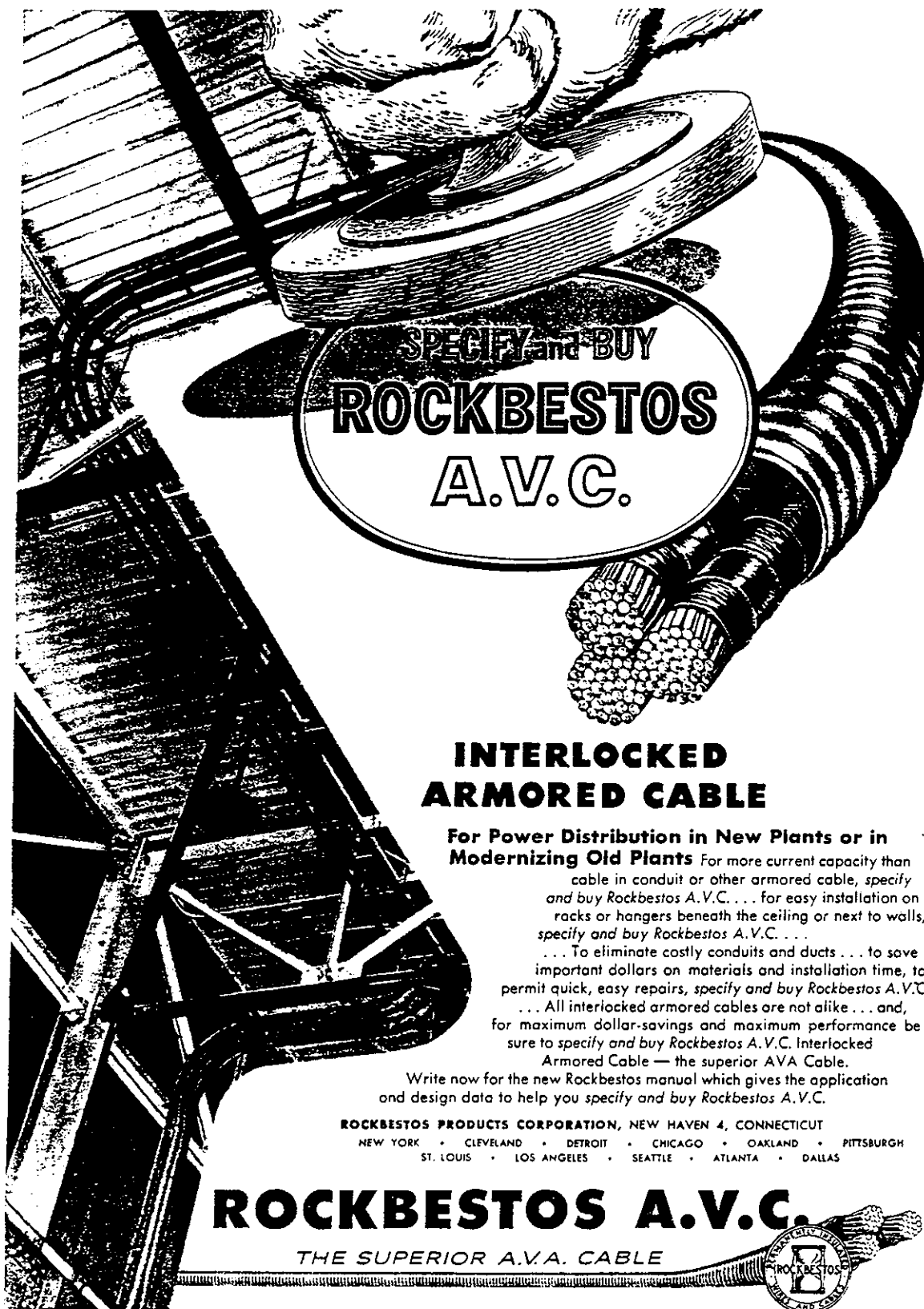
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ROCKBESTOS A.V.C.

THE SUPERIOR A.V.A. CABLE



RBB 00788



**SPECIFY and BUY
ROCKBESTOS
A.V.C.**

**INTERLOCKED
ARMORED CABLE**

**For Power Distribution in New Plants or in
Modernizing Old Plants** For more current capacity than
cable in conduit or other armored cable, *specify
and buy Rockbestos A.V.C. . . . for easy installation on
racks or hangers beneath the ceiling or next to walls,
specify and buy Rockbestos A.V.C. . . .*
... To eliminate costly conduits and ducts . . . to save
important dollars on materials and installation time, to
permit quick, easy repairs, *specify and buy Rockbestos A.V.C.*
... All interlocked armored cables are not alike . . . and,
for maximum dollar-savings and maximum performance be
sure to *specify and buy Rockbestos A.V.C. Interlocked
Armored Cable — the superior A.V.A. Cable.*

Write now for the new Rockbestos manual which gives the application
and design data to help you *specify and buy Rockbestos A.V.C.*

ROCKBESTOS PRODUCTS CORPORATION, NEW HAVEN 4, CONNECTICUT
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ROCKBESTOS A.V.C.
THE SUPERIOR A.V.A. CABLE



Advertisement in the April issue of *Electric Light & Power*, *Electrical Engineering*, *Plant Engineering*, 1956; April 28 issue of *Electrical World*, 1958;
May issue of *Electrical Construction & Maintenance*, *Electrical West*, 1958; June issue of *Engineered Industry*, *Iron & Steel Engineer*,
Qualified Contractor, 1958; August issue of *Electrical South*, 1958

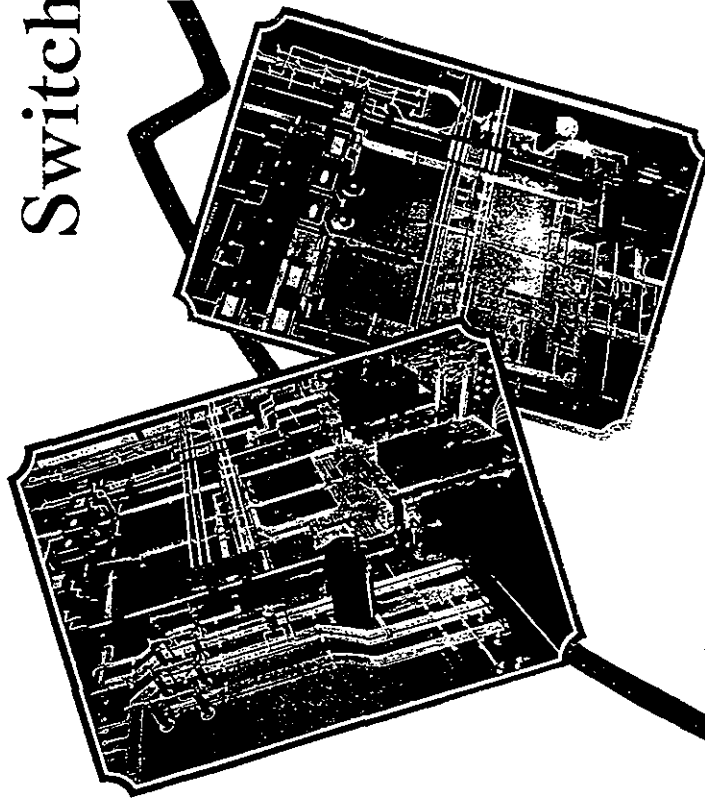
RBB 00787

PRINTED IN U. S. A.

ROCKBESTOS

—the asbestos insulated wire

Switchboard Wire



If this were just ordinary switchboard wire, we wouldn't use two pages to tell you about it. But, it is Rockbestos Switchboard Wire and it is far from ordinary.

It is an exceptional wire in many ways—just those ways that you might specify for the ideal wire.

In the first place, it is built with Rockbestos insulation—there is nothing better.

Heat, flame or moisture will not affect it.

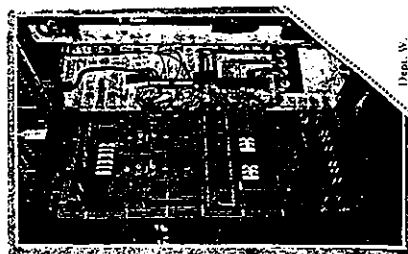
The covering is tough and so laid on that you can bend it in any form or even hammer it without breaking or cracking, and still maintain its dielectric strength.

Best of all, when your job is done with Rockbestos Switchboard Wire—it looks fine and you are pleased.

Samples will be sent for your inspection and test. Use this coupon.

ROCKBESTOS PRODUCTS CORPORATION
NEW HAVEN, CONN.

100 East Grand Ave., New York 40, N.Y. 40 East 42nd St., New York 17, N.Y.
On the Pacific Coast: Anderson Wire & Cable Co.



Drop W.
Rockbestos
Products Corp.
Please send sample
of Switchboard wire
for test.

Title _____
Company _____
Address _____

RBB 00823

AFTER carefully testing all kinds of switchboard wire, customers have found that Rockbestos Switchboard Wire is standard for all their switchboard work.

All over the country, Central Stations and large industrial plants have found that Rockbestos Switchboard Wire meets perfectly every need for switchboard service and have consequently standardized on it.

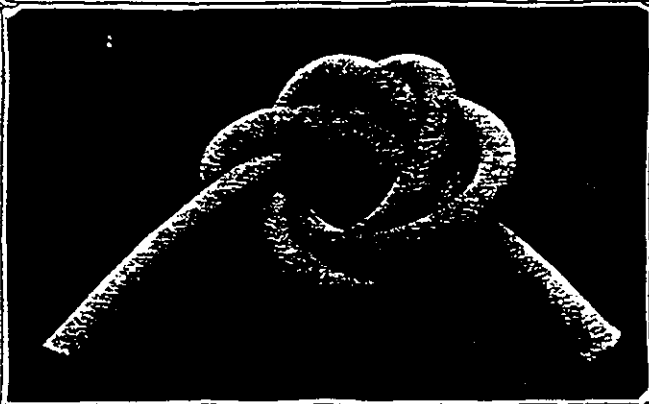
ROCKBESTOS

-the asbestos covered wire

Here it is—the extra flexible

Rockbestos Motion Picture Cable

You will find it on all the leading projectors,
arc-lights, sun-arcs, high-intensity lamps—
—wherever heat is.



You can tie it in knots! And it will
not crack, nor break and the surface re-
mains intact—practically forever.

Nothing better can be used for wiring
from panel boards to rheostats—just try
it. Would you like a piece to tie in a
knot? We'll send it. Just a card will
bring it.



*When you buy M. P. Cable ask for Rockbestos
—the extra flexible.*

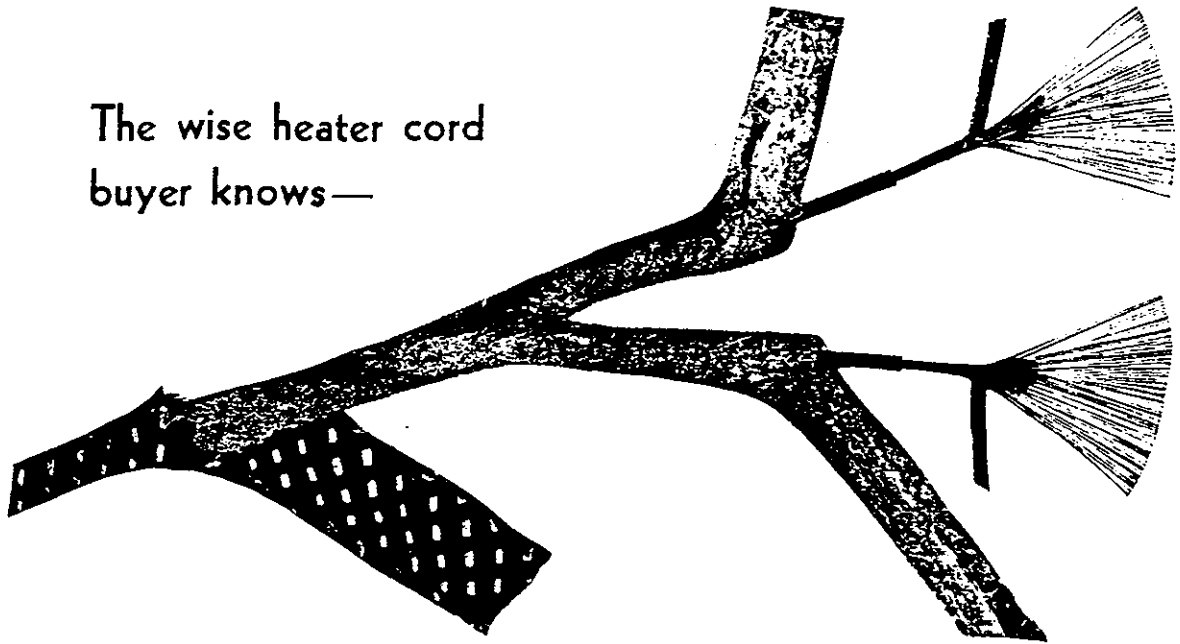
**ROCKBESTOS PRODUCTS
CORPORATION**

RBB 00829

5942 Grand Central Term. Bldg., New York NEW HAVEN, CONN. 224 Madison Term. Bldg., Chicago

129

The wise heater cord
buyer knows—



What gives Flexibility in Heater Cord

He knows for example that it is possible to buy a ROCKBESTOS No. 18 16/30 heater cord, that is more flexible than some No. 18 cords with a 41/34 conductor.

Why is this true?

The answer is that everything wound, spun or braided over the wire affects the flexibility of the finished cord.

Eight factors are involved and stranding is only one of them. They are the softness of the copper, the stranding, the lay, the cotton serving, the quality of the rubber, the asbestos covering, the twinning and the outer braid.

Flexible, long wearing heater cord is the result of constant experimental work with each of these factors, while holding the others constant, to determine the most efficient condition of each.

We wish the solution of making a very flexible cord was simply the use of a very flexible conductor, but unfortunately it isn't.

We know of no substitute for constant experimental work, fine materials and careful supervision.

This is the formula we have followed for years and today the position of ROCKBESTOS in the heater cord field bears out the statement that ROCKBESTOS HEATER CORD represents the highest point of development in heater cord construction.

ROCKBESTOS PRODUCTS
C O R P O R A T I O N
NEW HAVEN, CONN.

6942 Grand Central Term. Bldg., New York
2143 Railway Exch. Bldg., St. Louis, Mo.

903 Clark Bldg., Pittsburgh, Pa.

716 Madison Term. Bldg., Chicago
On the Pacific Coast—Anaconda Wire & Cable Co

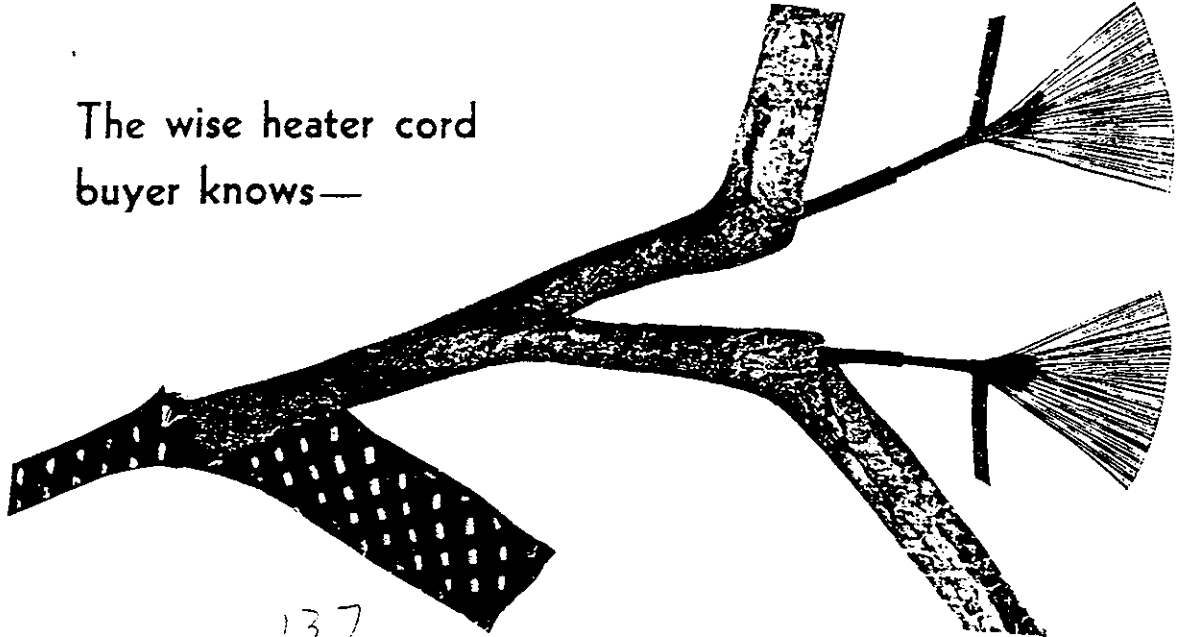
ROCKBESTOS

- the wire with permanent insulation

RBB 00826

137

The wise heater cord
buyer knows—



137

What BALANCE in Heater Cord means

We hear a lot about balance—in golf clubs, gasoline, automobiles and whatnot. We presume balance really is necessary in these things.

We *know* it is necessary in heater cord, and it has taken time for us to accomplish the proper balance in heater cord.

Time to standardize on the right size of the copper strands. Time for experiment to settle on just the right lay of the stranded conductors. Lay is the twist—it must be just right, not too tight, not too loose.

The cotton serving operation must be studied. The rubber requires much experimental work.

Then the asbestos wrapping of the rubberized wires; after that the matter of lay again as the asbestos wrapped wires are twisted together. Can't be too loose; mustn't be too tight.

And then the braid. That's all you see of heater cord. Years of experimental work on braiding has been done by Rockbestos.

Each of the factors mentioned must be just right to produce the proper balance. Balance produces flexibility, long wear and protection.

You may be interested to know that altho the Underwriters Laboratories Inc. test calls for 1,000 test cycles—all Rockbestos Heater Cord consistently exceeds this requirement. In a way this is a tribute to the careful experimental work we have done for years to produce a balanced heater cord.

ROCKBESTOS PRODUCTS C O R P O R A T I O N

406 NICOLL STREET
NEW HAVEN, CONN.

5942 Grand Central Term. Bldg., New York

903 Clark Bldg., Pittsburgh, Pa.

718 Madison Term. Bldg., Chicago

2143 Railway Exch. Bldg., St. Louis, Mo.

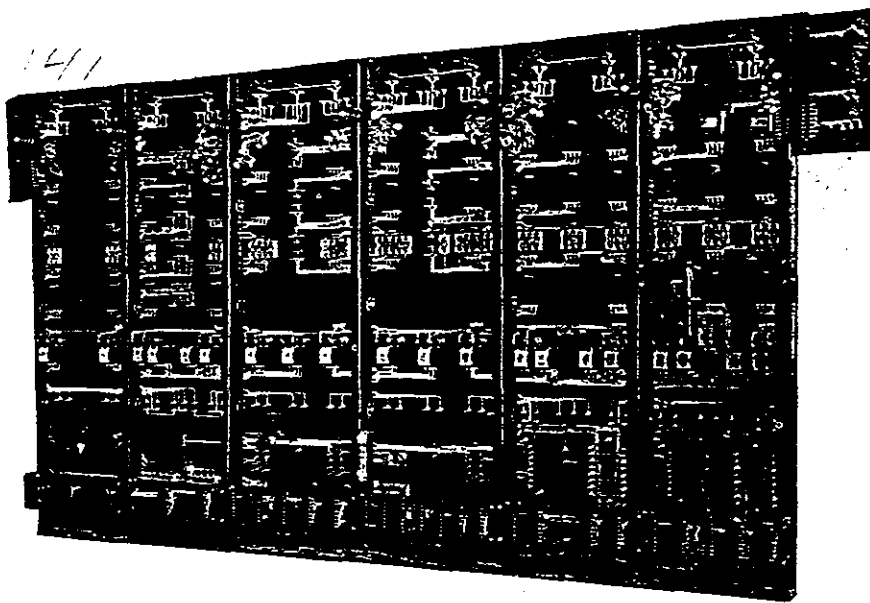
On the Pacific Coast—Anaconda Wire & Cable Co.

ROCKBESTOS

- the wire with permanent insulation

RBB 00824

HOW TO GET FINE APPEARANCE



IN SWITCHBOARD WIRING

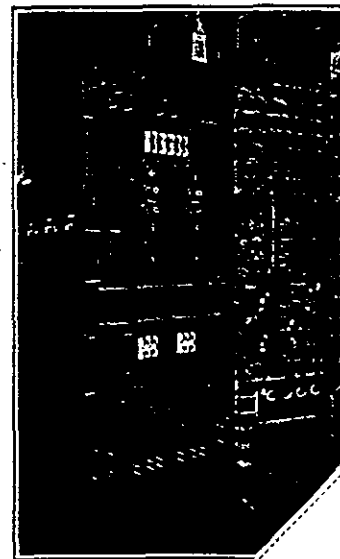
The fine appearance on this board is no accident. The skill of the electricians contributed part; ROCKBESTOS Switchboard Wire and Hinge Wire contributed the balance.

Unusually sharp bends can be made without cracking. This is possible with no other type of switchboard wire. With ROCKBESTOS Switchboard Wire the bends do not have to be favored. They can be as sharp as you like and no cracking or even opening of the braid will result to spoil that fine appearance.

The novel construction of the insulation of ROCKBESTOS Switchboard Wire, *original with* ROCKBESTOS, is responsible.

The same construction, but on flexible stranding, is used in ROCKBESTOS Hinge Wire for swinging panels.

You will quickly see why these wires are being used by the largest utilities when you examine samples which we will be glad to supply if you will fill in and return the coupon.



ROCKBESTOS PRODUCTS CORPORATION

407 NICOLL STREET
NEW HAVEN, CONN.

5942 Grand Cent. Term. Bldg., New York 903 Clark Bldg., Pittsburgh, Pa. 718 Madison Term. Bldg., Chicago
2143 Railway Exchange Bldg., St. Louis, Mo. On the Pacific Coast—Anaconda Wire and Cable Co.

ROCKBESTOS

—the wire with permanent insulation

Please
send sample
of Rockbestos
Switchboard Wire.

Name.....
Firm.....
City.....
Address.....

RBB 00822

A HANDY WIRE

With Many Uses



FOR FIXTURE MANUFACTURERS:

Rockbestos insulated fixture wire was first designed for fixtures employing high wattage, gas filled lamps which generated surprisingly high socket temperatures and where, therefore, ordinary insulated wires could not be used because of Code restrictions.*

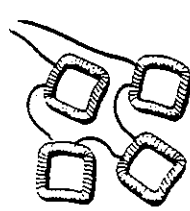
Naturally engineers who make a logical choice are selecting the wire insulated with the basic heat resisting material—asbestos.

*Article 14, section 1402-d of 1930 National Electrical Code reads in part as follows: "Approved fixture wire . . . shall be employed, unless wiring is exposed to temperatures in excess of 120°F (49°C.) in which case conductors having . . . heat resisting covering shall be used."



FOR APPLIANCE MANUFACTURERS:

Appliance makers soon discovered that ROCKBESTOS fixture wire solved a persistent trouble they were having with the connections to the top heating units of waffle irons, through the hinge section. Here the wire must stand exceedingly high temperatures without deterioration, else the iron will give trouble. ROCKBESTOS fixture wire is standard with most appliance manufacturers.



IN BUILDING AND REPAIRING MOTORS:

A number of manufacturers and motor repair shops handling small motors have found that coil leads of ROCKBESTOS fixture wire are unaffected by temperatures encountered in the baking operation.

IN SUBSTATIONS:



Engineers are finding ROCKBESTOS fixture wire very handy for use in miscellaneous low voltage circuits such as secondary wiring of voltage regulators, end bracket panel connections and other places where a flexible, fire-proof and mechanically strong insulated wire is necessary. The wire can be supplied with color coded braids for engineers who want to systematize their wiring.

Any Rockbestos insulated wire is strong mechanically. Its insulation is dense yet flexible and will always stay so. It cannot age, even under attack of severe conditions. Asbestos has lain in the earth for millions of years and during this time has met heat, moisture, oil and earth acids yet has not changed or deteriorated.

Perhaps you have occasion to require some of this material. Write, telling us of the use you have in mind. We will gladly send samples and usable suggestions. Please address:

In Seattle
914 1st Av. So.

ROCKBESTOS PRODUCTS
C O R P O R A T I O N
360 NINTH STREET SAN FRANCISCO

In Los Angeles
430 COLYTON ST.

Please send me a sample of ROCKBESTOS Fixture Wire for.....
and a copy of your Fixture Wire Bulletin No. 50.

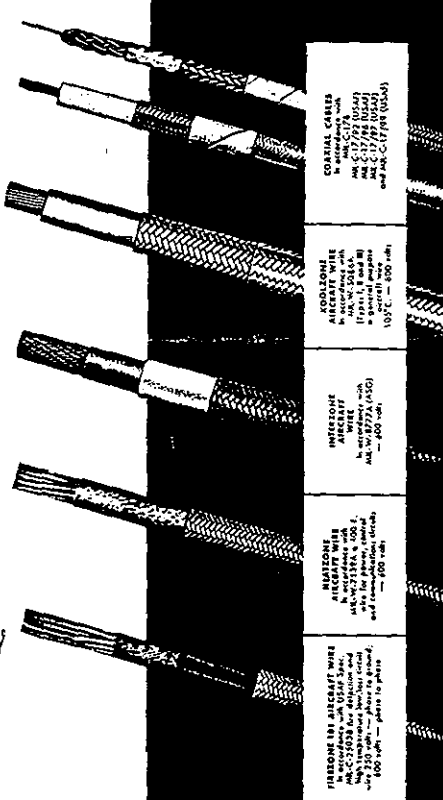
Name..... Title.....

Company.....

Address..... City..... State.....



ROCKBESTOS—the wire with permanent insulation



proven in service

**ROCKBESTOS
AIRCRAFT WIRES**
proven
in service

[illegible][illegible][illegible]

Reprinted from *Aviation Week*, December 1, 1958

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