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THIS WONDER AGE

Every day we read in the newspapers, or magazines, what would some years ago have been thought impossible, and the perpetrators of such things as wingless chickens, "pilotless" (base controlled) planes, robot announcers, etc., would have been denounced as witches if they had displayed the articles, or as "liars" if they only talked about them.

This dissertation is the result of a news release by Westinghouse of their robot "announcer" which keeps management employes at their East Pittsburgh plant right up to the minute on company news. By dialing a special number on their interplant telephones supervisory employes can listen in while a continuous tape reels off the latest developments. Uncanny, isn't it?

Says Mr. T. I. Phillips, Westinghouse, Vice President, "It is now possible to pass on a greater volume of information without any individual having to repeat the same story over and over. It's accurate because the robot never forges a fact or a phase."

We older ones get more thrill out of such things than do the younger generation who, generally speaking, take such developments as a matter of course. They have grown up amidst miracles and learned to expect them. I'll not soon forget my surprise sometime ago when, my automobile battery having run down, I was told it could be charged in a matter of minutes instead of three or four days. We are all due for other surprises as time and research go on.

THE MINES SITUATION

Some of our readers have asked what the present status is in the Canadian mining camps.

As reported in our July issue the men are back at work and we are informed that the mines are in full production.

The new contracts with the miners have not yet been formulated but negotiations have started at some mines and will start at others within a short time.

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THE SCHMIDT BELT

In June 1949 "ASBESTOS" page 24, we inquired concerning the Schmidt Belt and have since been sent quite a little information on this apparatus and heat flow meters in general.

1. The "Schmidt Waremesser" is manufactured by the German firm of Hartmann & Braun, A. G. Frankfurt A/M.

This is described as a rubber belt 60 c. m. long, 6 c. m. wide, and 3 m. m. thick. A number of thermocouples are fitted with alternate junctions at the opposite faces. The couples are connected in such a manner that the effect is additive and measures the temperature difference of the two faces. Since the thermal conductivity of the belt is known, and the temperature gradient across the belt is read directly, the heat transmissions can be calculated.

"There may be criticism of the method" says our informant, "since the Schmidt Belt alters the condition of insulation over which it lays. This effect however is small. In actual field tests the belt will be influenced by the sun rays, wind velocities, and by other surrounding conditions."

2. A similar apparatus is made by Baird & Tatlock of London and we have several pages of information on this "heat flow meter" which will be willingly supplied in photostat form to anyone sufficiently interested to pay $3.50 for the photostats. Or anyone may call at our office and look over this description.

CHECKING MANUSCRIPTS

A Free Service

One of our readers wrote us a few weeks ago that he had just read an article on asbestos in an encyclopedia, which contained several erroneous statements, and couldn't we do something about it.

We contacted the publisher, who finally sent us a copy of the article they had prepared for their next edition. We really can't find words to describe the article—the statements were jumbled; most of them entirely wrong.

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The only thing we could do was rewrite the article entirely, and send the editor of the encyclopedia some of our reprints, and the Factbook, and we are hoping the article will be accepted or at least a version of it much nearer the facts than the previous one.

It is regrettable such articles are published, especially when we will gladly check them without obligation or supply data from which an intelligible and accurate account may be written.

What puzzles us is where the publishers obtained the data they had! Readers are urged to send to us any would-be writers of asbestos articles.

ALFRED CARR REMINISCES

Readers will remember the biography we published on Mr. Alfred Carr in our August 1948 issue. He is believed to be the oldest living pipe coverer.

On July 14th Mr. Carr celebrated his 84th birthday *by taking the day off*. He had three jobs on hand at that time.

In recalling early days in the pipe covering business he told a story of a firm who made molded pipe covering with cocoanut fibre instead of asbestos. According to Mr. Carr after it was applied to the pipes the stiff fibres protruded thru the canvas to such an extent that it was necessary to go over each section with a razor blade and snip off the fibres!

. . . —

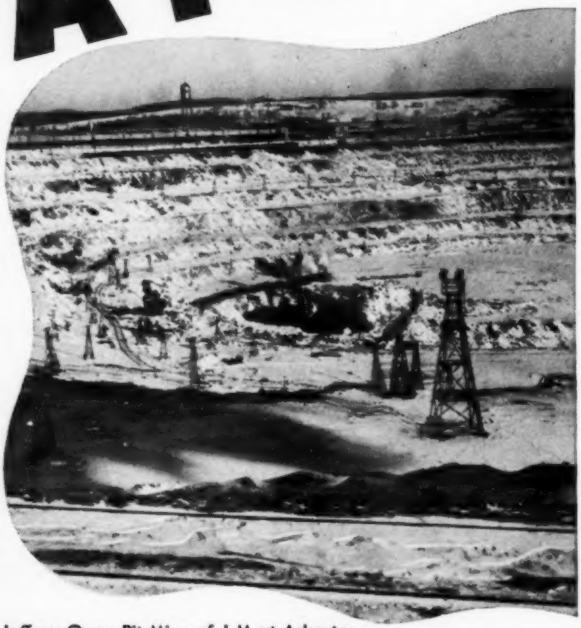
The 37th National Safety Congress and Exposition, will be held in Chicago October 24th to 28th inclusive. Sessions on industrial safety are scheduled for the Stevens, Congress and Morrison hotels; traffic safety sessions at the Sherman hotel; commercial vehicle sessions at Palmer House, with school, farm and home safety sessions at the Morrison hotel. For further information write R. L. Forney, general secretary, National Safety Council, 20 N. Wacker Drive, Chicago 6, Ill.

. . . —

Life is ten percent what you make it and 90 percent how you take it.—Irving Berlin.

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A★F★D



The Jeffrey Open Pit Mine of J-M at Asbestos,
Quebec. Measures ½ mile in width, and 358 feet at deepest point.

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BRAKE LININGS OF VARIOUS TYPES
And Their Manufacture

By R. T. Halstead



Dr. R. T. Halstead is Manager of The Friction Materials and Packings Laboratory for Johns-Manville, in their Research Center at Manville, N. J.

He has been with Johns-Manville for the past eighteen years. Graduated from Clemson College, with B. S. degree in 1933 and from Princeton University(Ph. D.) in 1926.

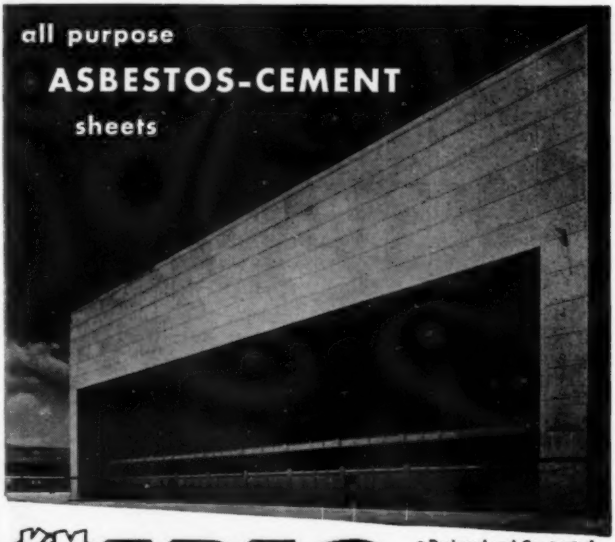
In the ensuing period Dr. Halstead has been in industrial work most of which was devoted to a study of the basic problems associated with the brake lining and packings fields.

The diverse requirements of modern industry have given rise to the use of a number of different types of brakes in a wide variety of applications. In all of these brakes the common problem is to convert rapidly the kinetic energy of the moving member into heat and to dissipate the generated heat as quickly as possible.

Conversion of kinetic energy into heat energy in any braking operation is generally accomplished by bringing a friction material (brake block, brake lining or clutch facing) into contact with the moving member (brake drum, fly wheel or other rotor) in such a manner as to retard the free rotation of the moving part. The ability of the brake to provide rapid deceleration is proportional to the relative coefficient of friction of the friction material employed. The absolute frictional efficiency of the brake lining required for effective stopping is, of course, a function of the mechanical efficiency of the braking mechanism. Therefore due to the many types of brake designs now in use, it is necessary to provide friction materials in a wide variety of compositions, ranging in frictional properties from low to high, in order to service these different braking requirements.

These different types of brakes also frequently differ with respect to their ability to dissipate heat rapidly, as

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stipulated above. As a result, one design of brake will operate efficiently with a given type of friction material whereas, on a different brake which possibly tends to operate at a higher equilibrium temperature, an entirely different lining may be required in order to meet the high temperature service conditions. Such conditions serve to promote the development and sale of a variety of types of brake linings. Numerous other operating conditions contribute to this same trend, possibly thru the necessity of having a flexible brake lining for greater ease and speed in installing the friction material, or possibly the need to secure a lining with greater resistance to shear at the rivet or bolt locations, or may be the desire to secure friction elements which will perform more effectively when used against some specific type of drum or drum metal composition. These are some of the considerations which have tended to give rise to a variety of friction materials, rather than a few standardized products.

On the other hand it is possible to classify most of the friction materials produced in this country for use in automotive and industrial brakes into groups which differ with respect to the basic structure or construction of each type of product. A brief discussion of the principal types of construction in commercial use today is offered in the following:

A. MOLDED BRAKE LININGS:

The friction materials requirements of automotive passenger cars, buses and trucks are currently met thru utilization of several types.

1. Wire-Backed Type. Linings in this category are among the most popular on the market today. The better linings of this type are of pleasing appearance, range from semi-flexible to inflexible, depending upon the composition and cure employed; possess good frictional properties under normal conditions of brake operation and have generally acceptable rate of wear.

Made by a calendering process in which small nodules of disintegrated stock of a putty-like consistency are

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formed into a ribbon in which the wire backing member is embedded, the rolls of green stock are dried and processed by suitable curing and grinding operations to provide the finished brake lining. Due to the method of manufacture, no orientation of the fibres is possible and the internal structure of the lining is without pattern or direction.

The conventional binders, such as thermal-setting resins, drying oils, synthetic or natural rubber, either singly or in combination, are generally employed as a matrix. The use of a wire backing member in this type of lining serves in general a dual purpose: First, during the manufacturing operations it serves to strengthen the fabricated but uncured brake lining stock which would otherwise be very fragile and difficult to handle, and second, under service conditions, it enhances the structural strength of the brake lining and, in particular, provides greater resistance to the shearing action of the rivets during severe braking operations.

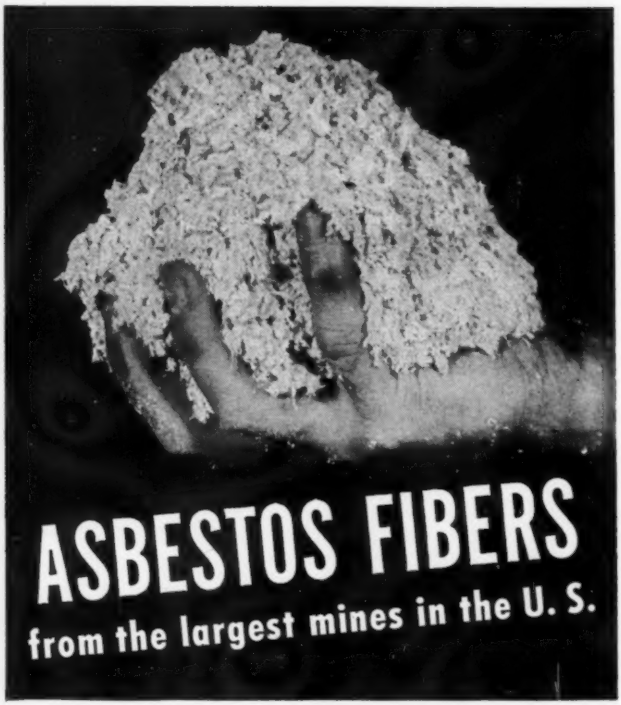
2. Extruded Type. Linings of the extruded type can be most successfully manufactured as rigid cut pieces.

Manufactured by extruding a soft plastic stock thru an orifice of rectangular cross-section, the formed but uncured brake lining is generally dried to remove any solvent present, and is then cut into pieces of proper arc length and cured in curved heated molds.

Liquid binders are used in manufacturing extruded lining, particularly those which will facilitate the extrusion operation. Drying oils, resins and rubber, converted where necessary to a liquid by incorporation of solvents, are representative of the binders which are employed in extruded linings.

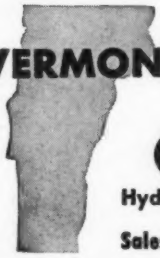
Similar to wire-backed lining in its internal structure, but lacking the wire reinforcement, extruded lining tends to be structurally weak; this potential defect may be minimized thru selection and use of those binders, e. g. thermal-setting resins, which offer a maximum strength factor. In achieving this, however, it is generally neces-

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sary to compound and cure the lining to provide a very hard, inflexible finished product.

Editor's Note: This discussion will be continued by Dr. Halstead in our September and October issues, in which other types of molded lining will be briefly described as well as Rubberized Fabric Linings and Woven Linings.

THE TWELVE ESTIMATING TABLES

Our book list (see page 50) mentions Twelve Estimating Tables, with Chart, convenient in figuring flange fittings and other areas, $1.00 per set.

These tables have been found very useful by estimators in figuring areas, but since we have not for some time published the detailed list, it occurred to us that many would like to know exactly what the tables cover, and order them before the fall work begins. Following is the list:

Sq. Ft. Areas of Pipe Covering.
Mean Sq. Ft. Areas Standard Screwed Fittings.
Mean Area Standard Weight Flanged Fittings.
Standard Weight Flange Areas, Permanent Type.
Standard Weight Flange Areas, Removable Type.
Figuring Hair Felt, 1", 1½", 2".
Anti-Frost Insulation.
Cork Pipe Covering, Outside Area in Sq. Ft.
Ice Water Thick Cork Moulded Fittings Screwed, Outside Area in Sq. Ft.
Brine Thickness Cork Molded Fittings, Screwed, Outside Area in S. Ft.
Special Thickness Cork Moulded Fittings, Screwed, Outside Area in Sq. Ft.
Ducts and Flue Perimeters.
The chart gives an easy way to figure Curved Cylindrical Surfaces.

The tables are printed on paper which will wear well under handling. Orders can be filled immediately upon receipt.

. . . —

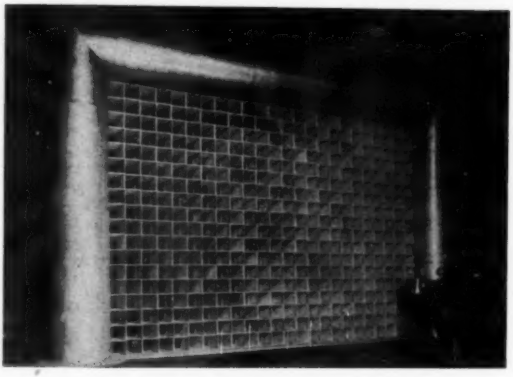
The Sun is always having sinking spells but he gets up every morning.

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HONEYCOMB FOR WIND TUNNEL

In experimental work in connection with the development of their high efficiency engine installations, Rolls Royce (England) had built for them the honeycomb for wind tunnel as shown in the picture.

The wind tunnel has a closed working section of rectangular cross section, 7′ by 5′, and is of the venturi type with open return in the building housing the tunnel.



The maximum air speed attainable in the working section is 100 M. P. H.

The entire honeycomb, which eliminates large scale eddies at entry, is constructed of moulded asbestos sections supported by steel strips, as shown. Moulded Asbestos was used as a substitute for metal sections to economize on materials which were in short supply. The moulded asbestos sections were manufactured by Bell's Asbestos and Engineering Limited, Slough, Bucks, England.

. . . —

Any man can fight the battles of just one day. It is only when you and I add the burdens of those two awful eternities—*yesterday* and *tomorrow* that we break down.

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ASBESTOS WINS OUT IN TESTS ON PLASTICS

The use of laminated plastics in aircraft has increased during the past few years, especially in accessories and semi-structural parts, such as bulkheads, partitions, linings, propellers, wing flaps and ducts. There has accordingly developed a need for more comprehensive information regarding the action of the weather, temperature, and humidity on the properties of laminated plastics in order to evaluate these materials for aircraft application and to prepare specifications for suitable materials.

To provide the necessary data the National Bureau of Standards undertook an investigation, under the sponsorship of the National Advisory Committee for Aeronautics, to determine the effects of outdoor weathering, accelerated weathering, and accelerated service conditions on the weight, dimensions and flexural properties of representative phenolic and unsaturated-polyester plastics[1]. For accelerated weather testing the specimens were subjected to cycles of ultraviolet light and fog while the accelerated service tests consisted of cyclic exposure to various temperatures and relative humidities. The test materials were commercial products, and included nine laminated plastics and a macerated-fabric-filled phenolic plastic, which are the types commonly employed in aircraft.

Three sets of specimens, mounted on racks at an angle of 45° facing south, were exposed for one year to outdoor weathering on the roof of the Industrial Building, National Bureau of Standards. The flexural properties were determined for one set, and weight and dimensions on a second set. The second and third sets were returned to the roof for another year's exposure. At the end of the second year the weight and dimensions, and the flexural properties were determined on these specimens.

In the accelerated weathering test of alternate expos-

[1]For further technical details, see Effect of Simulated Service Conditions on Plastics, by W. A. Crouse, D. C. Caudill, and F. W. Reinhart, NACA Tech. Note No. 1240 (July 1947); also NACA Tech. Note No. 1738 (May 1948).

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ures to ultraviolet light and misty atmosphere, one set of specimens was used to measure weight and dimensions. From a second set flexural properties were determined after exposure to simulated conditions for 120, 240, 360 and 480 hours, respectively.

The six accelerated service tests involved exposure to cycles of temperature from 70°F to 175°F, relative humidities from 5 per cent to 100 per cent, and ultra violet radiation. In each of the six tests the weight and dimensions of one set of specimens were measured after the conclusion of 1, 3, 5 and 10 cycles. The flexural properties were determined on other sets at the end of 5 and 10 cycles.

Changes in weight and dimensions, and in flexural properties were the criteria used in analyzing the data gained during the investigations. In most of the tests the changes in weight and dimensions were negative, any positive changes being in thickness. The flexural tests revealed several cases in which increases in flexural strength resulted from the accelerated weathering and service conditions. These increases in strength were attributed to further cure of the resins.

Results of the laboratory aging tests did not in all cases correlate with the results of outdoor weathering. A laboratory evaluation procedure for a material or group of materials must therefore be selected on the basis of the materials, the properties to be determined, and the conditions which the materials will meet in service.

An accelerated service test consisting of alternate exposure for 24 hours at 175°F and 95 to 100% relative humidity followed by 24 hours at 175°F and a relative humidity less than 5%, was the most severe of those used in this investigation. *All the materials except the asbestos-fabric phenolic laminate increased in thickness in this test. This material was the only one which increased in flexural strength and flexural modulus of elasticity on exposure to the above accelerated service test.*

The asbestos-fabric phenolic and glass-fabric unsaturated-polyester laminates were the most resistant of the

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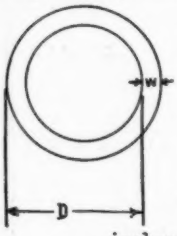
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materials tested. The paper-base phenolic laminates were not so stable in weight and thickness after outdoor weathering as the other materials tested. These results indicate that the most resistant laminates are those made with materials which are least affected by water.

Editor's Note. The above is a copy of Technical Report 1361, issued by the National Bureau of Standards, U. S. Department of Commerce, Washington 25, D. C.

AREAS AND WEIGHTS OF CONCENTRIC CIRCLES

Here is a problem put to the writer of his article by a prominent manufacturer: What is the shortest formula that can be used for finding the area of a concentric ring? Also, what is the shortest formula for finding the weight of a solid concentric ring when you have the same factors with the thickness of the ring and the specific gravity of the material?



The formula (see the accompanying sketch) is as follows:

$$A = 3.1416\ Dw$$

where

A = the area of the ring in square inches;

D = the distance D as shown in the sketch, which is equal to the outside diameter of the ring minus the width of the ring "W";

w = width of ring, also as shown in the sketch.

As for volume and weight, to find the volume of the ring in cubic inches simply multiply the above formula by the thickness of the ring "t" and we have

V = 3.1416 Dwt = the volume of the ring in cubic inches.

The specific gravity of any material is based on the weight of water. A cubic inch of water weighs 0.036 of a pound. Therefore to find the weight per cubic inch of any material multiply its specific gravity by 0.036

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and the product is the weight per cubic inch. The specific gravity of iron, for example, is 7.86, which means that iron is 7.86 times as heavy as water. A cubic inch of iron therefore weighs

0.036 x 7.86 = 0.282 of a pound.

It is obvious now, in order to obtain the weight of a concentric ring directly, that we must multiply the above "volume formula" by 0.036 and then by the specific gravity "s", which gives us the formula we want, viz:

W = 0.1132 Dwts = the weight of the ring in pounds.

All of the above measurements are in inches.

. . . —

There is nothing wrong with our economy that some real honest, aggressive salesmanship won't cure. "Experts" have been telling us that we're in a "Buyer's Market," " a "Shopper's Market," etc. We don't go along with this reasoning. Actually we're in a "Salesman's Market" and will be from now on. That means the time has arrived for "salesmen" everywhere—distributor, jobber, dealer—to roll up their sleeves collectively and go to *work*. Industry is producing more and better products than ever. The people (consumers) need those products. They have money to buy them—but they want to be "sold."—Thermoid News.

. . . —

Experience is the name everyone gives to his mistakes.—Oscar Wilde

"Tropag"

ASBEST- & ERZIMPORT OSCAR H. RITTER K. G.

Hamburg · — · Ballindamm 7

Importers of

ASBESTOS - ORES - MINERALS

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HAIR FELT

FOR

Low Temperature Insulation

Newark Hair Felt Co.

1000 Maple Avenue

Lansdale, Penna.

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WAGE RATE FOR PIPE COVERERS

The wage rates being paid Asbestos Workers (pipe coverers) in the principal cities and insulation centers of the United States at the present time are given in the tabulation below. Comparison with the list in August 1948 "ASBESTOS," page 24, will show the changes made during the year.

These rates are taken from the July 1948 issue of The Asbestos Worker (Official Quarterly Journal of The International Association of Heat and Frost Insulators and Asbestos Workers) and are believed to be uptodate (as of July 1949) and authentic.

Akron, Ohio	$2.37½
Albany, N. Y.	2.25
Albuquerque, N. M.	2.12½
Allentown, Pa.	2.00
Amarillo, Texas	2.25
Anchorage, Alaska	3.00
Appleton, Wis.	2.00
Atlanta, Ga.	2.12½
Atlantic City, N. J.	2.50
Austin, Texas	2.25
Baltimore, Md.	2.12½
Baton Rouge, La.	2.25
Beaumont, Texas	2.25
Billings, Mont.	2.15
Birmingham, Ala.	2.05
Boise, Idaho	1.75
Borger, Texas	2.25
Boston, Mass.	2.45
Bremerton, Wash. (Puget Sound Navy Yard)	1.75
Buffalo, N. Y.	2.40
Cedar Rapids, Ia.	2.15
Charleston, S. C. (Navy Yard)	1.63
Charleston, S. C. (Except Navy Yard)	2.12½
Charleston, W. Va.	2.25
Charlotte, N. C.	2.12½
Chicago, Ill.	2.35
Cincinnati, Ohio	2.32½
Cleveland, Ohio	2.40
Columbia, S. C.	2.12½
Columbus, Ohio	2.37½
Connecticut	2.32½
Corpus Christi, Texas	2.25
Dallas, Texas	2.25
Dayton, Ohio	2.25
Denver, Colo.	2.15
Des Moines, Ia.	2.15
Detroit, Mich.	2.50
Duluth, Minn.	1.95
El Paso, Texas	2.12½
Essex Co., N. J.	2.62½
Evansville, Ind.	2.15
Fort Wayne, Ind.	2.10
Fort Worth, Texas	2.25
Freeport, Texas (Dow Chem. Co. Maintenance only)	1.97
Galveston, Texas	2.25
Grand Rapids, Mich.	2.25
Great Falls, Mont.	2.15
Greensboro, N. C.	2.12½
Greenville, S. C.	2.12½
Honolulu, Hawaii	1.70
Houston, Texas	2.25
Hudson Co., N. J.	2.62½
Huntington, W. Va.	2.25
Indianapolis, Ind. (Effective Nov. 1, 1949)	2.37½
Jackson, Mich.	2.25
Jackson, Miss.	2.25
Jacksonville, Fla.	2.00
Kalamazoo, Mich.	2.25
Kansas City, Mo.	2.37½
Knoxville, Tenn.	2.25
Lansing, Mich.	2.25
Laramie, Wyo.	2.15
Lawrenceburg, Ind., (Distillery Plant Workers only)	1.92
Little Rock, Ark.	2.25

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Long Beach, Calif., (Navy Yard)	1.78
Los Angeles, Calif.	2.50
Louisville, Ky.	2.25
Madison, Wis.	2.25
Manitowoc, Wis.	2.00
Mare Island, Vallejo, Calif., (Naval Shipyard)	1.78
Memphis, Tenn.	2.25
Miami, Fla.	2.25
Milwaukee, Wis.	2.25
Minneapolis, Minn.	2.25
Mobile, Ala.	2.12½
Nashville, Tenn.	2.15
New Orleans, La.	2.25
Newport News, Va., (Except Navy Yard)	2.12½
New York (Naval Shipyard)	1.70
New York City	2.75
Norfolk, Va. (Except Navy Yard)	2.12½
Norfolk, Va., (Navy Yard)	1.63
Oak Ridge, Tenn. (Clinton Engr. Works, Maintenance Only)	1.74½
Oklahoma City, Okla.	2.25
Oleum, Calif (Union Oil Co.) Maintenance only)	2.16
Omaha, Nebr.	2.30
Pascagoula, Miss.	2.12½
Philadelphia, Pa. (Navy Yard)	1.69
Philadelphia, Pa.	2.62½
Phoenix, Ariz.	2.25
Pittsburgh, Pa.	2.50
Port Arthur, Texas	2.25
Portland, Ore.	2.37½
Portsmouth, Va. (Except Navy Yard)	2.12½
Providence, R. I.	2.20
Richmond, Va.	2.12½
Rochester, N. Y.	2.40
Sacramento, Calif.	2.16
Saginaw, Mich.	2.25
Salt Lake City, Utah	2.00
San Antonio, Texas	2.25
San Francisco, Calif.	2.16
San Francisco, Calif. (Navy Yard)	1.78
Savannah, Ga.	2.12½
Scranton, Pa.	2.12½
Seattle, Wash.	2.29½
Shreveport, La.	2.25
Sioux City, Ia.	2.25
South Bend, Ind.	2.25
Spokane, Wash.	2.25
Springfield, Mass.	2.32½
Springfield, Mo.	2.00
St. Louis, Mo.	2.50
St. Paul, Minn.	2.25
Syracuse, N. Y.	2.40
Tacoma, Wash.	2.30
Tampa, Fla.	2.12½
Texas City, Tex. (Carbide Chem.) Maintenance only)	2.09
Toledo, Ohio	2.40
Trenton, N. J.	2.50
Tulsa, Okla.	2.25
Washington, D. C.	2.50
Wausau, Wis.	2.00
White Plains, N. Y.	2.75
Wichita, Kans.	2.25
Wilkes-Barre, Pa.	2.12½
Wilmington, Del.	2.50
Wood River, Ill. (Oil Refinery only)	2.02
York, Pa.	1.94
Youngstown, Ohio	2.37½

RUBBER CEMENT

For Asbestos Packings

RUBBER & ASBESTOS CORP.
25 CORNELISON AVENUE
JERSEY CITY 4, N. J.

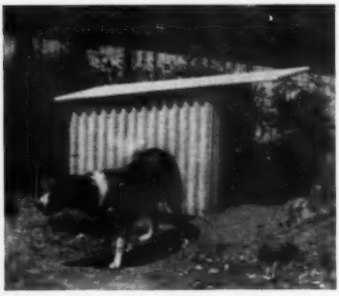
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LATEST IN DOG HOUSES

The latest style in dog-houses is shown in the picture and belongs to C. M· Weber's dog "Punky."

Many of our readers will remember Mr. Weber as a member of the Carey organization for twenty years, from which he withdrew last November to become General Manager of W. Biddle Walker Co., Industrial Contractors in Ecorse, Detroit, Mich.

Mr. Weber has always been interested in Asbestos-



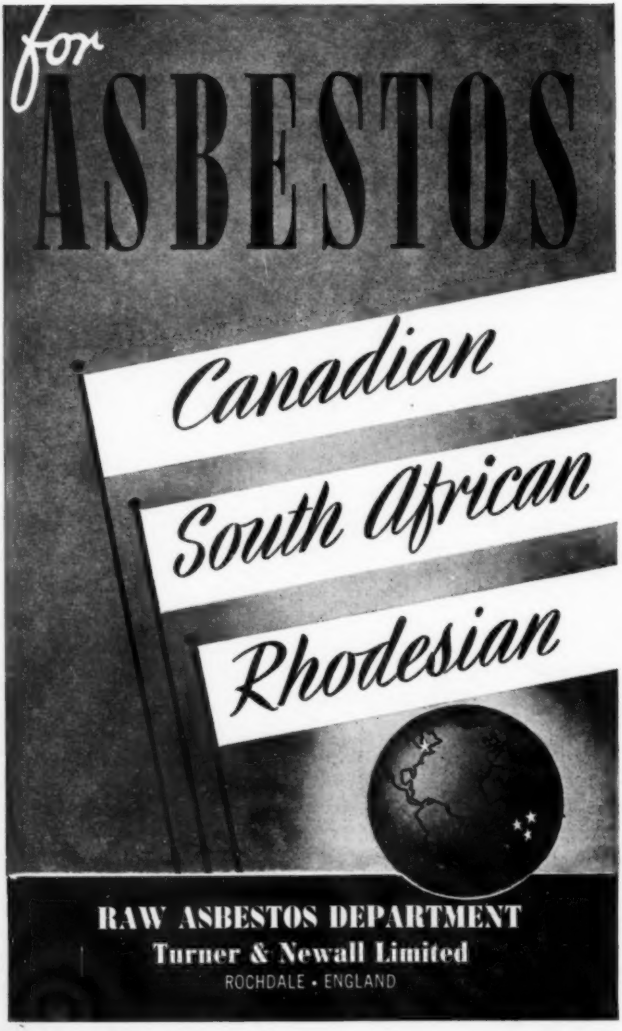
"Punky" (breed undetermined but he's very smart) and his fine new house of Corrugated Asbestos-Cement Sheets.

Cement Products, and when he wanted to build a house for Punky which would be comfortable summer and winter, what more suitable than Corrugated Asbestos-Cement sheets for both sides and roof. Then in the fall he will line it with Thermo-Bond, which can be taken out in the spring. Only four screws connect the roof with the sides, so it is easily convertible.

— . . .

A Plant Maintenance Show will be held in the Auditorium. Cleveland, Ohio, January 16th to 19th inclusive. Some fifty companies have already reserved space. A four day conference on plant maintenance methods will be held concurrently with the show. Major stress at both the show and conference will be placed on cost reduction factors. Further information can be obtained from Banner & Greif, 250 West 57th Street, New York 19, N. Y.

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for
ASBESTOS
Canadian
South African
Rhodesian
RAW ASBESTOS DEPARTMENT
Turner & Newall Limited
ROCHDALE • ENGLAND

MARKET CONDITIONS

GENERAL BUSINESS

The business decline is continuing slowly and many think it will be halted before the end of the year. A buyer's market prevails in many lines, making lower prices almost imperative, but not feasible because costs are still high.

It is not possible to decrease prices and keep costs, such as labor and raw materials, high without sooner or later showing a loss or at least a very close margin of profit ready to deepen into loss at any time.

The best way out of such a dilemma is to increase production per man. If labor wants high wages it will have to produce more goods in a specified time, and there are a few industries (perhaps we should say shops or factories) where this is actually happening. If labor is wise it will spread the system to all industry.

ASBESTOS — RAW MATERIAL

One Canadian producer reports that the month of July saw their asbestos fibre production return to practically normal proportions, and many of the more urgent requirements in the backlog of orders were shipped. Demand, however, far exceeds supply and will probably continue to do so until the end of the year as the result of buyers replenishing their stocks.

If business in general remains at its present level the supply situation should ease off considerably as manufacturers' stocks are built up.

Some falling off in the demand for crudes and spinning fibres has been noted in the United States market but this is offset by the demand in continental Europe. The demand for shingle fibres is still very high and considerably above the rate of production; reduced call for paper stock is noticeable in the United States market, while the demand for the "Shorts" grades is particularly acute and is not expected to ease off for the next few months.

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Asbestos Textiles. While one manufacturer tells us that bookings are low and backlogs are fast being consumed (with conservative purchasing being exercised by buyers of practically all asbestos textiles) we are also told that there has been a slight indication of improvement in the textile market during the last month. Cloth and tape do continue at a low ebb, but roving and lap show a slight increase while yarn remains uncertain. This (latter) manufacturer believes that business will continue to show a definite trend upward from here on.

Brake Lining. Replacement in the brake lining market is reverting to more normal volume. Equipment business is still increasing in volume because of the record car building program. No doubt the brake lining market will continue on that trend for the balance of the year.

Asbestos Paper. Commercial paper business is improving because stocks were low and are now being replaced. Demand is also improving and this is expected to continue in the last quarter.

Saturated asbestos paper is holding steady volume. Production of this and commercial paper together, runs at 100% capacity.

Asbestos Millboard. One manufacturer tells us that commercial millboard business has improved during the past month and equipment business is picking up after the past quarter's lag.

Insulation. High Pressure. New business in this market is scarce; shipments by most manufacturers can now be made either from stock or within a few weeks. Distributors' warehouses contain fair quantities of materials available for immediate shipment. The low level of current demand is said by one of our correspondents to have resulted in curtailed production. Shipments in 1949 will be considerably below 1948. Prices are firm in the f.o.b. market but applied work is becoming increasingly competitive.

Insulation. Low Pressure. Jobbers' stocks have been depleted to a point where buying of new stock is neces-

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sary, but orders are smaller than usual, indicating a cautious attitude. There is practically no backlog of orders but daily orders are keeping production to full capacity. Prospects for fall business are good and prices are holding up well.

Asbestos-Cement Products. The market in Asbestos-Cement roofing and siding is still strong with a large backlog of unfilled orders due, however, principally to the fibre shortage. With the easing of this situation by the men returning to the mines, competition has become more active especially in search of long term business. Increased volume for the balance of 1949 should be in close ratio to production capacity.

Corrugated and flat business continues in strong demand. The requirements of water and sewer pipe of *all* types, including asbestos-cement pipe, has dropped off greatly since the first of the year with backlogs rapidly disappearing and most manufacturers able to make reasonably prompt shipments.

The above comments have been received from executives conversant with field conditions. All comments are always welcome.

. . . —

Estimated losses of United States exports due to inadequate or improper packaging of goods for foreign shipment may total as much as a billion dollars annually and many U. S. industries are losing business abroad because their goods, altho superior in quality, are arriving at foreign desinations in poor condition, according to a new report in OIT's "World Trade in Commodities" series.

Title of the new report is "Digest of International Developments—Containers". May be obtained from the field offices of the U. S. Department of Commerce for 5c The Philadelphia Office is located at 42 S. 15th Street.

STEEL MANDRELS
For Asbestos Cement Pipe Making Machines
Any Diameter — Quick Deliveries
Tel. address DURITE TRIESTE
"DURITE TECNICA" — TRIESTE, Cavana 24

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LIGHT DENSITY TYPE

PABCO

PRECISION MOLDED

85% MAGNESIA INSULATION

"THE DEPENDABLE STANDARD — MODERNIZED"

REG. U. S. PAT. OFF.

U. S. Patent Nos. 2,131,374 — 2,209,752 — 2,209,753 — 2,209,754

PIPE COVERING MADE IN SECTIONAL FORM UP TO AND INCLUDING 18-INCH PIPE SIZE

COMPLETE RANGE OF SIZES AND THICKNESSES IN BLOCKS AND PIPE COVERING

THE PARAFFINE COMPANIES, INC., Insulation Division

(Formerly Plant Rubber & Asbestos Works)

475 Brannan Street, San Francisco 19, California · Engineering Service Units In Principal Cities

PABCO

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PRODUCTION STATISTICS

Canada

(Department of Mines, Province of Quebec)

Production for May 1949 ..... 22,713 tons (2000 lbs.)
Compared with May 1948 ..... 60,248 tons (2000 lbs.)

Africa (Swaziland)

Production for April 1949 ..... 2850 tons (2000 lbs.)

BUILDING

In the first half of this year, the dollar volume of contracts awarded in the thirty-seven states east of the Rocky Mountains amounted to $4,467,676,000, showing a decline of 6% from the same period in 1948, but the highest first-half volume on record, excepting only last year—this according to the F. W. Dodge Corporation.

Contracts awarded by government agencies and public bodies totalled $1,756,243,000; private building and engineering contracts totalled $2,711,433,000, in the 1949 half year period.

Residential awards amounted to $1,624,799,000.

AUTOMOBILE SALES

	June 1949
Passenger Cars	493,882
Motor Trucks	99,126
Motor Coaches	632
	593,640

May sales totaled 481,467, while June 1948 sales were 431,046.

Total sales for the first half of 1949 were 2,994,284, compared with 2,488, 373 in the first half of 1948.

These figures cover only cars made in the United States. This data is supplied by the Automobile Manufacturers Association of Detroit, Mich.

— . . .

Character is like a tree and reputation like its shadow. The shadow is what we think of it; the tree is the real thing.

. . . —

What a man is depends largely upon what he does when he has nothing to do.

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PHILLIPS ASBESTOS MINES

Producers of

CRUDES

and

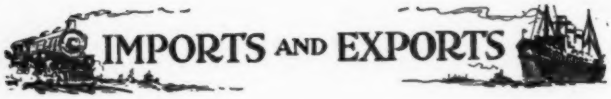
Fiberized Asbestos

The World's Finest Fibre



DRAWER 71 **GLOBE, ARIZONA**

Mines and Mills in Gila Co., Arizona



Imports into U. S. A.

(Figures by Bureau of Census)

Unmanufactured Asbestos—By Countries

	April 1949 Tons (2240 lbs.)
From Canada	10,119
S. Rhodesia	6,569
U. of S. Africa	686
Mozambique	848
Australia	45
Italy	6
U. S. S. R.	312
	18,585
Valued at	*$1,039,697*

By Grades

Crude No. 1, Chrysotile—S. Rhodesia	81
Crude No. 2, Chrysotile—S. Rhodesia	480
Crude—Other—Chrysotile	
Canada	18
S. Rhodesia	6,008
U. S. S. R.	312
Crude—Blue	
Australia	45
U. of S. Africa	10
Crude—Amosite	
U. of S. Africa	676
Mozambique	848
Textile Fibres—Chrysotile	
Canada	310
Italy	6
Shingle Fibres—Chrysotile, Canada	940
Paper Fibres—Chrysotile, Canada	871
Fibres—Short Grades—Chrysotile, Canada	7,980
	18,585

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JOHNSON'S COMPANY LTD.

ESTABLISHED IN 1875

Head Office

Thetford Mines, P. Q. Canada

Mines

Thetford Mines, Quebec
Black Lake, Quebec

Producers of All Grades of

RAW ASBESTOS

REPRESENTATIVES

GREAT BRITAIN ..... A. A. BRAZIER & CO.
"Avenue Lodge"
65a Bounds Green Road,
LONDON, N. 22, England.

CHICAGO 4, ILL. ..... GRANT WILSON, INC.
111 West Jackson Boulevard

NEW YORK, N. Y. ..... CONNELL ASBESTOS MFG. CO.
117 Martense Street,
Brooklyn, 26, New York

SAN FRANCISCO, CALIF. ..... LIPPINCOTT CO., INC.
461 Market Street

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Imports Continued
Manufactured Asbestos Goods

	April 1949 Quantity (Lbs.)	Value
Asbestos Yarn		
United Kingdom	7,987	$ 7,093
Asbestos Packing—Fabric		
United Kingdom	1,225	1,203
Asbestos Packing—Not Fabric		
United Kingdom	1,228	1,097
Asbestos Woven Fabrics—Other		
United Kingdom	1,372	675
Asbestos-Cement Products—Not Impreg.		
Canada	33,926	1,186
Mexico	471,536	34,078
Asbestos Brake Lining (Molded)		
Canada	5	3
United Kingdom	50	49
Asbestos Manufactures—Other		
Canada	-	7
United Kingdom	-	21
Switzerland	-	18
	517,329	$45,430

Exports from U. S. A.
(Figures by Bureau of Census)

	April 1949 Tons (2240 lbs.)	Value
Unmanufactured Asbestos		
To Canada	28	$ 1,520
Colombia	121	60,800
Venezuela	8	2,595
Mexico	55	20,585
Austria	27	14,550
Germany	189	28,054
Finland	5	2,330
Italy	10	3,025
Netherlands	27	9,450
Norway	45	12,500
Portugal	32	4,608
United Kingdom	90	12,950
Other Countries	9	1,311
	646	$174,278

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OVER

FIFTY YEARS

EXPERIENCE

MANUFACTURING

ASBESTOS

PRODUCTS

IS YOUR

PROTECTION

NORRISTOWN
MAGNESIA & ASBESTOS CO.

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Exports Continued
Manufactured Asbestos Goods:

	April 1949 Quantity	Value
Asbestos Pipe Covg. & Cement ..... Lbs.	659,508	$ 66,350
Asbestos Textiles and Yarn ....Lbs.	71,238	55,470
Asbestos Packing .... Lbs.	226,735	115,830
Asbestos Brake Lng. (Mld.&S.Mld.) Lbs.	305,620	285,425
Asbestos Brake Lng. (Woven) .....L.Ft.	81,650	71,049
Asbestos Clutch Facings ..... No.	119,647	62,566
Asbestos Brake Blocks .... Lbs.	21,078	20,195
Asbestos Construction Materials ... Lbs.	3,201,776	213,128
Asbestos Manufactures—Other	-	60,833
		$950,846

. . . —

In order to encourage the export of high-grade asbestos by air, K. L. M. has announced that it will reduce the air freight charge to London from the Union (of South Africa) on the 16th June to 7s. 9d. a kilo, for crude asbestos for minimum shipments of 500 kilos (about half a ton). This is almost half the present freight rate.—From South African Mining and Engineering Journal (June 11th issue).

. . . —

Manners are like the cipher in arithmetic; they may not be much in themselves, but they are capable of adding a great deal to the value of everything else.

. . . —

Worry is a lot like a rocking chair; it gives you something to do but won't get you any place.

AVAILABLE

Sales Engineer desires to make change. Over ten years experience in industrial insulation. F. O. B. to distributors, jobbers and industrial plants including oil industries. Best references. Box No. 8S-D, "ASBESTOS", 808 Western Saving Fund Bldg., Phila. 7, Pa.

COMPLETE PLANTS
for making PRESSURE PIPES and CORRUGATED SHEETS
Plants designed, equipped and started. Short deliveries.
Our Engineers have had thirty years' experience in making Pipes and Asbestos-Cement sheets.
DURITE TECNICA - Via Cavana 24, TRIESTE, ITALY
Cable address: Durite - Trieste

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ASBESTOS FIBRE SHINGLE GRADES

A NEW MODERN ASBESTOS PLANT
WITH REVOLUTIONARY EQUIPMENT

Your inquiries are invited.

•

ASBESTOS FIBRES, INC.

Preparation Plant:
33 AVENUE P, NEWARK, N. J.

Main Office:
56 CRITTENDEN ST., NEWARK, N. J.

NEWS OF THE INDUSTRY

BIRTHDAYS

C. B. Pooler, Vice President, The Philip Carey Mfg. Co., Lockland, Cincinnati, Ohio, August 18.

R. J. Tobin, Chairman Tilo Roofing Co., Stratford, Conn., August 18.

Carl W. Lemmerman, President, Homestead Corp., Hartford, Conn., August 19.

C. H. Carlough, President, Carolina Asbestos Co., Davidson, N. C., August 20.

P. E. Coombs, Director and General Manager, Uxbridge Flint Brick Co., Uxbridge, Middx, England, August 21.

F. P. Kuchenbecker, President, Asbestos & Magnesia Materials Co., Chicago, Ill., August 23.

H. W. Davis, General Sales Manager, Asbestone Corp., New Orleans, La., August 25.

Theodore O. Dallman, Vice President, Grant Wilson, Inc., Chicago, Ill., August 27.

Matthew Balich, President, Matthew Balich Corp., New York City, August 29.

George Robinson, Secretary, Johnson's Co., Thetford Mines, P. Q., Canada, August 30.

A. W. Swartz, President, Linear Packing & Rubber Co., Philadelphia, Pa., August 31.

John P. Syme, Vice President, Johns-Manville Corp., New York City, September 1.

W. D. Pardoe, Vice President, Thermoid Co., Trenton, N. J., September 8.

Abbott Coburn, President, Globe Roofing Products Co., Whiting, Ind., September 9.

Pierre E. Donellon, Vice President, Charge of Construction, Tilo Roofing Co., Stratford, Conn., September 9.

K. R. MacDonald, Director of Purchases, The Ruberoid Co., New York City, September 10.

J. Gillmur Tyson, Jr., President, Consolidated Asbestos Corp., Lansdale, Pa., September 14.

R. J. Berry, President, Standard Asbestos Mfg. Co., Cleveland, Ohio, September 15.

To all these gentlemen we extend best wishes on the occasion of their birthdays.

JOHN P. DuBOIS DIED SUDDENLY

Just as we go to press we learn of the sudden death on August 8th, of John P. DuBois, Vice President of Ehret Magnesia Mfg. Company. Mr. DuBois was 58 years old; he had been with the Company for 35 years, and his loss will be severely felt by the Company and by the Insulation Industry in which he was well known.

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• BLUE ASBESTOS

The Cape Asbestos Company, Ltd., is the world's largest supplier of acid-resistant blue crocidolite asbestos, and the only manufacturer operating its own mines. Inquiries solicited on:

MILLBOARD **YARNS**
ROVINGS **POWDER** **CLOTHS**
PROCESSED FIBRES

Unexcelled for use in
ASBESTOS CEMENT PIPES

• AMOSITE ASBESTOS

This fibre owing to its great length and bulk is unrivalled for use as an insulating medium in:

Asbestos mattress filler
85% Magnesia insulation

The CAPE ASBESTOS CO. Limited

Morley House, 28-30 Holborn Viaduct, London, E.C.1.
FACTORY, BARKING, ESSEX

United States Sales Agent:
ARNOLD W. KOEHLER
415 LEXINGTON AVE. **NEW YORK CITY**
TELEPHONE—VANDERBILT 6-1477

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THE PARAFFINE COMPANIES
New Treasurer



Andrew S. Halley has just been appointed Treasurer of The Paraffine Companies, Inc.

Prior to joining Paraffine, Mr. Halley was Manager of Price, Waterhouse & Co., in San Francisco.

OBITUARIES

Robert Cohen, Director of Stoltzburg Asbestos Holdings, Ltd., and Barberton Chrysotile Asbestos, Ltd., died recently. Mr. Cohen was largely responsible for the development of those two companies. He was born in Johannesburg, and was 48 years old.

Daniel R. Douglas of the firm of Daniel R. Douglas & Co., Insulation Contractors in New York City, died on July 25th at the age of 80.

QUEBEC ASBESTOS CORPORATION
Seeking New Deposits

We understand the Quebec Asbestos Corporation, whose present workings are at East Broughton, Quebec, are looking over holdings which they have in Munro Township (near the new Johns-Manville Mine) and those near Cochrane and Sault Ste. Marie. Drilling is just starting to determine whether the asbestos exists in commercial quantities.

CAPE ASBESTOS CO.
Changes

Colonel Rupert Riley has moved to Johannesburg, to take charge of the operations of the group in South Africa; K. C. Gray has been appointed to act as his alternate director at London.

H. C. Boyd, who has been on the Board of the Company since 1936, has retired, because of advancing years.

Dr. Gino Gori, Chairman of Cape's Italian subsidiary, Capamianto S. A. I., passed away on April 4th (1949). He is spoken of by Cape as one of the most brilliant technicians in the Cape organization, and his loss is deeply regretted.

NEW COMPANY REGISTERED IN AFRICA

S. A. Asbestos Trading Co., (Pty), Ltd., was registered during April 1949, with a capital of £20,000. There office is located at Prudential Assurance Bldgs., 8th Floor, 90 Fox Street, Johannesburg.

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ASBESTONE
CORPORATION

Manufacturers
Asbestos-Cement
Building Products

●

CORRUGATED SHEETS
FLAT SHEETS
ROOFING SHINGLES
SIDING SHINGLES

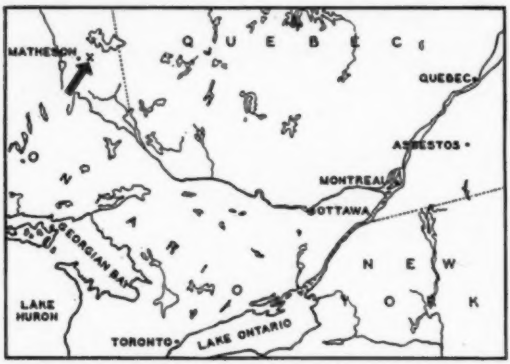
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Factory and Sales Office
5300 TCHOUPITOULAS STREET
NEW ORLEANS 15, LA.

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LOCATION OF NEW J-M MINE

Those interested in the new mine about to be opened up in Ontario by Johns-Manville (and who among our readers is not interested in a new asbestos mine?) will appreciate our publication of the map showing the location and especially the relation in distance and direction of the new Munro mine near Matheson, Ontario, to the old Jeffrey Mine at Asbestos, Quebec.



Description of the Mine was given in our July number, on page 46. It is expected to be in operation in May 1950. Development of this new asbestos deposit in Ontario will not interfere with full production of the old one in Quebec. Matheson, the nearest town to the new mine, is nine miles from the deposit, and 325 miles northwest of Ottawa.

JOHNS-MANVILLE—Report for 2nd Quarter

Consolidated earnings of Johns-Manville Corporation and subsidiary companies for the second quarter of 1949 were $2,882,169 compared with $3,300,861 for the corresponding period last year.

Sales for the second quarter of 1949 were $38,158,249 compared with $39,933,519.

For the first six months period (1949) earnings were $5,765,600 compared with $5,607.913 for the first six months of 1948, while sales were $76,180,959 in the first half of 1949 compared with $77,458,919 for the same period in 1948.

Earnings per common share for the half year period were $1.94 in 1949, compared with $1.89 in 1948.

NORRISTOWN ELECTS.

At a recent meeting of the Board of Directors, the Norristown Magnesia & Asbestos Co. elected *H. W. Donnelly* Vice President, and *L. D. Todd*, Assistant Treasurer.

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GUY G. GABRIELSON

Guy G. Gabrielson was recently elected Chairman of the Republican National Committee, succeeding Hugh Scott.

Mr. Gabrielson is known in the Asbestos Industry as Director of Nicolet Asbestos Mines, Ltd., Sall Mountain Company and Thermoid Company.

He is also Director of Gama Industries, Inc., International Metal Industries, Ltd., John Wood Mfg. Co., Inc., Maltine Co., Somerset Hills National Bank, Superior Metal Products Co., Service Station Equipment Co., and Atlantic Stamping Co., and is President and Director of Carthage Hydrocol, Inc.

25TH ANNIVERSARY
J-M POWER SPECIALIST

The J-M Power Specialist, interesting house organ published by Johns-Manville Corporation for circulation to their industrial customers, will celebrate its 25th anniversary in the forthcoming issue.

The magazine is published quarterly, has a circulation of more than 30,000 and is sent to 66 foreign countries. A separate Canadian edition is published for Dominion readers. The magazine reports power news ranging from the installation of J-M insulations in a foundry to the latest use of J-M products in jet-propelled aircraft.

CELLACTITE & BRITISH URALITE LIMITED
Annual Report

For the year ended March 31, 1949, Cellactite & British Uralite Limited of London report a net profit of £25,154. This is lower than in 1948 principally due to the difficulty encountered by the company in procuring asbestos for their needs. The annual meeting was held July 26, 1949.

GREENE, TWEED & CO.
Presents New Packing

Palmetto Pisto-Ring Packing, a product designed to the particular requirements of inside-packed reciprocating pump service and tested and proved as a replacement for hydraulic duck and other forms of packing now in use, has been presented by Greene, Tweed & Co., as a further addition to their Palmetto Packing line.

Pisto-Ring Packing, applicable for all inside-packed piston packing, is available in sixteen sizes from 5-¼" OD and 3-¾" ID to 14" OD and 12-½" ID. Widths range from 13/32" to ¾". Special sizes to specifications are also obtainable. Further information is contained in manufacturer's bulletin TBPR-619, obtainable upon request from Walter Josephson, Greene, Tweed & Co., North Wales, Pa. These Pisto-Rings have many outstanding advantages.

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for ASBESTOS SIDINGS
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1½" "Bull Nose" Outside Corner Trim
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SHAPE NUMBER BN-1½
Overlapping Outside Corner Trim
for ASBESTOS SIDINGS
SHAPE NUMBER OL
Inside Corner Trim
for ASBESTOS SIDINGS
SHAPE NUMBER
Door and Window Trim
for ASBESTOS SIDINGS
SHAPE NUMBER
Overlapping Outside Corner Guard
for INSULATED SIDINGS
SHAPE NUMBER IC
Door and Window Casing Trim
for INSULATED SIDINGS
SHAPE NUMBER
DISTRIBUTED NATIONALLY BY LEADING JOBBERS
MANUFACTURED BY
PENN Supply and Metal Corporation

ARTICLE IN MINING JOURNAL

"Asbestos Mining in Canada"—Some Details of Johnson's Mine, appears in the July 9th issue of The Mining Journal (published at 15 George St., Mansion House, London E. C. 4.) A shaft layout of the mine is included.

TRADE MARKS

The National Trade-Mark Company, Munsey Building, Washington, D. C. has supplied the following information on trade marks pertaining to asbestos goods which have been recently passed for publication by the U. S. Patent Office. The firm mentioned above will conduct advance search without charge on trade-marks our readers contemplate adopting.

"V" Pilot. Serial No. 556,914. Pilot Packing Co., Inc., New York City. Filed May 12, 1948. For mechanical packings including asbestos coil and spiral packings, asbestos semi-metallic and metal packing rings and gaskets. Published November 23, 1948.

Rutland, with special drawings. Serial Nos. 541,185 and 541,186. Filed November 14, 1947. Rutland Fire Clay Company, Rutland, Vt. For compound including asbestos to be mixed with water to make plastic stove lining. Published Nov. 23, 1948.

Graybestos Serial No. 536,729. Filed October 3, 1947. Sterling Packing & Gasket Co., Houston, Texas. For flexible gaskets and gasket material in sheet form, fabricated from compressed asbestos fibres and a synthetic binder. Published December 14, 1948.

Perfectseal. Serial No. 530,414. Filed August 4, 1947. M. J. Merkin Paint Co., Inc., New York City. For asbestos roofing cements and caulking compounds, each composed essentially of asphalt compounds, asbestos fibre, mineral fillers, and volatile solvents. Published March 29, 1949.

Gladiator, with design. Serial No. 562,496. Filed July 29, 1948. Pilot Packing Co., Inc., New York City. For mechanical packing, namely, Asbestos coil and spiral packings and asbestos packing rings and gaskets. Published March 29, 1949.

Careystone. Serial No. 556,277. Filed May 5, 1948. The Philip Carey Mfg. Co., Cincinnati, Ohio. For asbestos and cement composition board for building purposes. Published May 17, 1949.

Tri-Tone. Serial No. 556,483. Filed May 7, 1948. The Philip Carey Mfg. Co., Cincinnati, Ohio. For asbestos cement shingles. Published May 17, 1949.

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PATENTS

This information obtained from the Official Patent Gazette, published weekly by the U. S. Patent Office, Washington, D. C.

Copies of patents can be obtained by sending 25c (in coin) to The Commissioner of Patents, Washington, D. C., giving the patent number, date it was issued, name of patentee and name of invention.

Method and Machine for Winding Composite Gaskets. No. 2,475,856. Granted on July 12, 1948, to William R. Price, Rosemont, Pa., assignor to Flexitallic Gasket Co., Camden, N. J. Application March 2, 1946. Serial No. 651,594.

The method of making composite compressible Gaskets comprising spirally winding strips of material in alternate convolutions upon a mandrel, applying pre-determined radially directed unvarying pressure to the outer convolution as the gasket is being wound and confining the sides of the gasket at the point where the pressure is applied between confining members having opposed outwardly flaring surfaces.

Aluminum Asbestos Coating Composition. No. 2,477,236. Granted on July 26, 1949 to Duncan F. Buchanan, Berkeley, Calif., assignor to Paraffine Companies, Inc., San Francisco, Calif. Application May 11, 1946. Serial No. 669,111.

A metallic ornamental paint consisting essentially of the following ingredients in approximately the following proportions in parts by weight: Asphalt, 24 to 33; Crude Solvent Naptha, 45 to 47; Asbestos Fibre, 4.8 to 10.5; Aluminum Powder, 8 to 18.

PUBLIC HEARING ON BASIC BUILDING CODE.

Public hearings on the final draft of the basic building code prepared by the Building Officials Conference of America, Inc., (whose office is at 51 East 42nd St., New York 17) will be held at the Statler Hotel in St. Louis, Mo., from August 27 to September 2. The hearings will be extended thru September 4 if necessary.

Special invitations have been extended to 105 trade associations, professional societies and manufacturers who have submitted comment on previous drafts of the code, but all persons and organizations interested in building code provisions are invited to attend the open hearings and offer suggestions to the special code review committee to make final recommendations on the document.

The code committee expects to complete its work

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on the final draft at the time of the St. Louis meetings. Its recommendations will be made in the form of a completed document to be submitted to the Conference executive committee prior to the annual meeting of the Conference to be held at the Wardman Park Hotel in Washington, D. C. on October 31 to November 3. If approved by the executive committee, the Conference membership will be asked to approve the code at its annual meeting.

BOOK LIST

The Asbestos Factbook, 16 pages. Information in compact form on origin, facts, locations, uses, analyses, qualities, 10c per copy.

Asbestos Mining Methods. By C. V. Smith. (Reprint) 16 pages. 25c per copy.

Milling Asbestos. By J. C. Kelleher. (Reprint) 16 pages. Companion article to Asbestos Mining Methods. Both should be in every Asbestos Library, 25c per copy.

Recovery of Raw Asbestos. By Roland Starkey. (Reprint) 6 pages. Supplement to Milling Asbestos. 25c per copy.

Canadian Chrysotile Asbestos Classification. Including latest Quebec Testing Method. January 1, 1949 Edition. 4 pages. 25c per copy.

Processing Asbestos Fibres. 8 pages. (Reprint) 25c per copy

Tests for Cotton Content. 4 pages (Reprint) Describing several methods of testing asbestos textiles for cotton content. 10c per copy.

Chart—Dollars Cost of Uninsulated Pipe. (Reprint) 20c each

Twelve Estimating Tables, with Chart. Convenient in figuring flange fittings and other areas. $1.00 per set.

Manual of Unit Prices (for figuring pipe covering and blocks) 35c per copy postpaid.

Asbestos: A Magic Mineral, by Lilian Holmes Strack. Written for school children but should be in every Asbestos library. $1.00 per copy.

Asbestos—The Silk of the Mineral Kingdom, by Oliver Bowles. 40 pages about asbestos, from mine to finished product, in plain language, illustrated, 25c a copy.

Order any of the above from "ASBESTOS", 17th Fl., Inquirer Bldg., Philadelphia 30, Pa. Postage stamps acceptable for amounts less than $1.00.

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AFTERTHOUGHTS

¶ It was necessary to run the Brake Lining article by Dr. Halstead in three parts, the first of which starts on page 6. This is regrettable but when it is finished in October, readers will find it profitable to read it all in one sitting. If sufficient calls are received we may reprint it.

¶ Comments for our Market Conditions page have been slow in arriving because of vacations—and, we suspect, the hot weather. But they are unusually interesting this month and show that a lot of thought has been spent on the various contributions to this page.

¶ A new use for asbestos shingles—singly. At a picnic conducted by the New York District of Johns-Manville, a "shingle relay" race caused much merriment. All the rules of the game are not known to your Editor, but one of the requirements of the race was that all contestants balance on their heads a square asbestos shingle.

¶ A Salesman calling at our office a few days ago in the interest of selling calendars, asked why we called ourselves "asbestos," pronouncing the word with the long "o". When we showed him our cabinet of specimens he was interested, but apparently had never heard of the material—and in these enlightened United States!

¶ You readers who have not had an opportunity to look over the book "White Collar Zoo" by Clare Barnes, Jr., should surely go right out and buy a copy. Clever! And it only costs $1.00 at any book department or book shop. The expressions on the faces of the animals or birds are marvelous. Even without the clever comparisons to office (white collar) people, the photgraphs would be worth the dollar. The book is a welcome diversion to office personnel, officials and employes alike, in these rather harassed times.

¶ Don't forget that Fire Prevention Week will be celebrated in October. August and September are the times to prepare for it. Get your advertising display lined up for local papers.

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CURRENT RANGE OF PRICE

As of August 10, 1949

Canada—	Per Ton (2000 lbs.) f.o.b. Mine	
Group No. 1 (Crude No. 1)	$960.00 to	$1,050.00
Group No. 2 Crude No. 2; Crude Run-of-Mine and Sundry	400.00 to	550.00
Group No. 3 (Spinning Fibre)	232.00 to	425.00
Group No. 4 (Shingle Fibre)	95.50 to	141.00
Group No. 5 (Paper Fibre)	78.50 to	88.00
Group No. 6 (Waste, Stucco or Plaster)		58.00
Group No. 7 (Refuse or Shorts)	28.00 to	52.00

Vermont—

Per Ton of 2000 lbs. f.o.b. Hyde Park or Morrisville, Vt.

Group No. 4 (Shingle Fibre)	$111.50 to	$124.00
Group No. 5 (Paper Fibre)	79.00 to	96.50
Group No. 6 (Waste, Stucco or Plaster)		59.00
Group No. 7 (Refuse or Shorts)	28.50 to	52.50

ASBESTOS STOCK QUOTATIONS

(These figures are compiled from the Commercial & Financial Chronicle. No guarantee as to their correctness).

		July 1949		
	Par	Low	High	Last
Armstrong Cork (Com.)	np	41	46	46
Armstrong Cork (Pfd.)	np	95	100	99¼
Armstrong Cork (Conv. Pfd.)	np	106¼	110	110
Asb. Corp. (Com.)	np	22	24	24
Asb. Mfg. Co. (Com.)	1	1	1⅛	1
Celotex (Com.)	np	14⅞	16⅜	16
Celotex (Pfd.)	20	15¼	16½	16¼
Certainteed (Com.)	1	10⅛	11⅞	11¼
Flintkote (Com.)	np	24	27⅜	26⅞
Flintkote (Pfd.)	np	98	101½	100
Johns-Manville (Com.)	np	34⅞	39	38½
Johns-Manville (Pfd.)	100	104½	108¼	108¼
Paraffine (Com.)	np	15⅜	17¾	17¾
Paraffine (Pfd.)	100	102½	103½	103½
Ray-Man (Com.)	np	24	27	26½
Ruberoid (Com.)	np	45¼	49	47
Thermoid (Com.)	1	4¾	5¼	5
Thermoid (Pfd.)	50	37¼	39¾	39½
Union Asb. & Rub. (Com.)	5	11	12¼	12⅛
United Asb. (Com.)	1	42c	52c	46c
U. S. Gypsum (Com.)	20	95	99¾	99
U. S. Gypsum (Pfd.)	100	175	182	182
U. S. Rubber (Com.)	10	34¼	36⅝	35
U. S. Rubber (Pfd.)	100	115	118½	118½

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VARIETY

Variety may be the spice of everyday life, but it can be the bane of any manufacturer's existence. For variety in manufacturing requires diversity of skills. It entails a multiplicity of problems. It imposes a thousand penalties.

Yet Raybestos-Manhattan now produces several hundred different types of thread, yarn, cord, wick, tape, cloth, roving, tubing, sleeving, and other asbestos textile products.

There is a constantly growing demand and need for these products. Many of them are unique and important. Many require special equipment or are specially made for one or two customers. All are made to one standard of quality.

RAYBESTOS-MANHATTAN, INC.

Asbestos Textile Division • Manheim, Pa.

Factories: Manheim, Pa.; No. Charleston, S. C.

RM

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SOUTHERN ASBESTO

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Southern Asbestos Roving—a single cord of untwisted asbestos fibre widely used to flame-proof many types of electrical wires and cables. Carefully selecting the proper fibres, Southern cards them and conde or rubs them to produce uniform strands of roving with maximum tensile strength.

Southern Asbestos has had over 25 years of specialized experience in developing and manufacturing Asbestos Textiles and Textile Products. Its technical and production facilities are available to solve your problems.



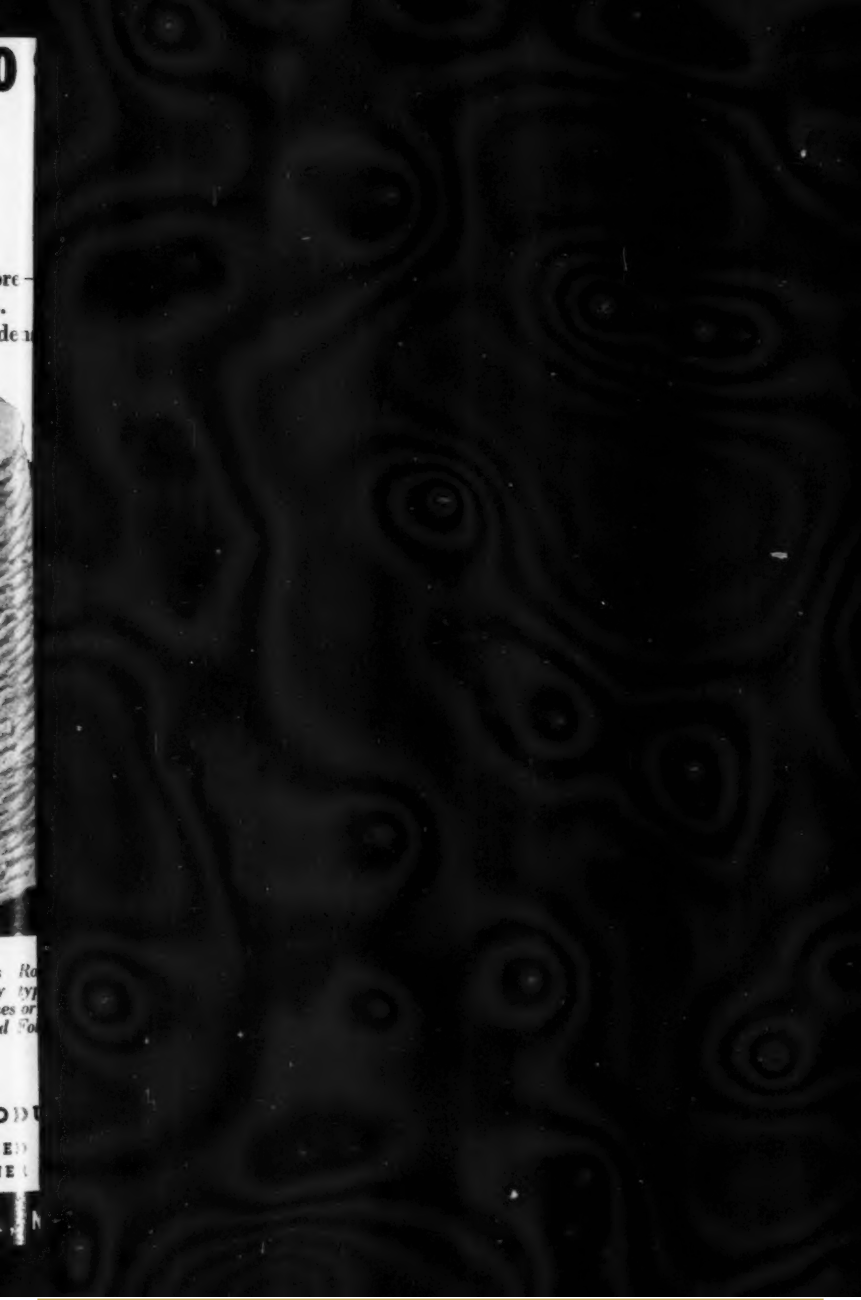
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