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FOUNDED IN JULY 1919 AND PUBLISHED
MONTHLY SINCE THAT DATE
BY SECRETARIAL SERVICE
17th FLOOR INQUIRER BUILDING
PHILADELPHIA, 30, PENNSYLVANIA

Estate of C. J. STOVER, *Proprietor*
A. S. ROSSITER, *Editor*
E. E. COX, *Circulation Manager*

Entered As Second Class Matter November 23, 1923, at the Post Office at Philadelphia, Pennsylvania, Under Act of March 3, 1879

Volume 29 DECEMBER 1947 Number 6

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SUBSCRIPTION PRICE

UNITED STATES	$2.00 PER YEAR
CANADA	3.00 " "
FOREIGN COUNTRIES	3.00 " "
SINGLE COPIES	.25 EACH

(Payable in U. S. Funds)

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Christmas--Candlelight Day



Christmas — winter's candle!
Its rays around you spread
And cast a glow of promise
Along the days ahead.
Its friendly warm and cheery light
Make all your future glad and bright.

This little Christmas jingle expresses in rhyme what we would like to say in prose, but perhaps could not say as effectively.

Christmas is the day of light—it stands out in the year as the day on which business cares and responsibilities may and should be forgotten; a day on which we think of our friends, of the happiness of others, a day of pleasant and warm memories to help us in whatever tumult of sorrow or despair may be encountered in the coming year; to guide us in keeping our ship out of troubled waters, or to enhance our enjoyment of success if it favors us.

Like the candle in the window, throwing its radiance so far for such a small light, Christmas kept in joy and peace, in kindly deeds and thoughtfulness for others, will help us all year, no matter what betides us.



A Merry Christmas To All

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REVIEWING 1947

The year 1947 is almost at its end—will be by the time some of our readers in countries beyond the seas—Africa, India, Australia, Europe, South America—receive this issue.

We might name it the "adjustment" year. All of us have had to adjust our selves and our businesses to so many new and often unexpected conditions.

But so far as the Asbestos Industry is concerned, we could fittingly give it two names—expansion year and research year. Expansion really began last year but has continued thru 1947; and much of the expansion is concerned with research—new research laboratories, enlarged research laboratories, more interest in research facilities.

Here is the list of new buildings, built or bought or started production, during the year, as recorded by "ASBESTOS":

Cape Asbestos Co. of London acquired (possibly late in 1946 as it was reported in our January 1947 number) the factory of the Uxbridge Flint Brick Co. Ltd., at Uxbridge, England, for the purpose of extending its *Pluto* board manufactures.

Ruberoid purchased an asphalt roofing plant and roofing felt mill in Dallas, Texas, and added to it a plant for the manufacture of asbestos-cement products.

Standard Asbestos Mfg. Co. of Chicago purchased a new factory in Chicago and will eventually consolidate all its operations at the new location.

Raybestos-Manhattan opened an office in Cleveland where all its divisions will be represented.

Asbestos Co. of Texas started production in its asbestos-cement plant (at Houston).

Union Asbestos & Rubber Co. acquired control of the Carolina Asbestos Co. with factories at Davidson and Marshfield, N. C.

Thermoid Co .opened a warehouse at Wabash, Ind., and later connected with the Asbestos Manufacturing Co. at Huntingdon, Ind., thus having a plant manufacturing automotive goods in the midwest.

Fether & Co. completed a plant in Santa Clara, Calif., for the manufacture of a new wireback molded brake lining.

Carey built and opened a large addition to its research laboratory in Cincinnati. They also started production in a new asbestos-cement plant at Cincinnati.

Rockbestos opened a new office and warehouse at Oakland,

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Calif., and later supplemented this with another warehouse in the Los Angeles area at Glendale.

Sterling Packing and Gasket Co. of Houston, began an addition to its general office building and remodelled the latter.

Plant started production in its new asbestos-cement factory at Redwood City, Calif., and The Paraffine Companies (parent of Plant) enlarged its research facilities at Emeryville.

Empire Asbestos Co. began operation in its new factory at St. Louis.

K. & M. started production of asbestos-cement products in its new plant at New Orleans.

J-M opened the first research building in its new research center near Manville; they also purchased the factories of Goetz Gasket & Packing Co. at New Brunswick. N. J. and purchased Van Cleef Bros.. Inc. of Chicago. (See page 40 for this last purchase).

Promotions. There were a great many promotions and changes in executive positions during the year—most of them moving men up to more responsible positions; "ASBESTOS" reported at least 50 of the more important changes—too many to record again even briefly—but all of them connoting progress and growth in the Industry.

Deaths. It was our sad task to record eleven deaths of prominent executives during the year. These men, tho their places have been filled, will be missed in the Industry's activities.

New Products, or improvements to old ones constitute a varied list—Stonekote finish for buildings; tea towels of asbestos cloth; the Unibond process for relining brakes; Rayflex, an aluminum and asbestos roof coating; Thermoflex insulating blanket used in jet-propelled aircraft; "Vee" Type Packing; low density type asbestos-cement board.

Uses. Newly recorded uses also cover a wide range of products—see Topical Index (page 47 of this issue).

Literature. Quite imposing is the list of outstanding reprints, booklets, etc., published on asbestos subjects during 1947; we list the most important ones of which we received copies: Silk of the Mineral Kingdom by Dr. Oliver Bowles and published by The Ruberoid Co.; A Primer on Asbestos Textiles published by the Asbestos Textile Institute; Matthews Textile Fibres, which includes a chapter

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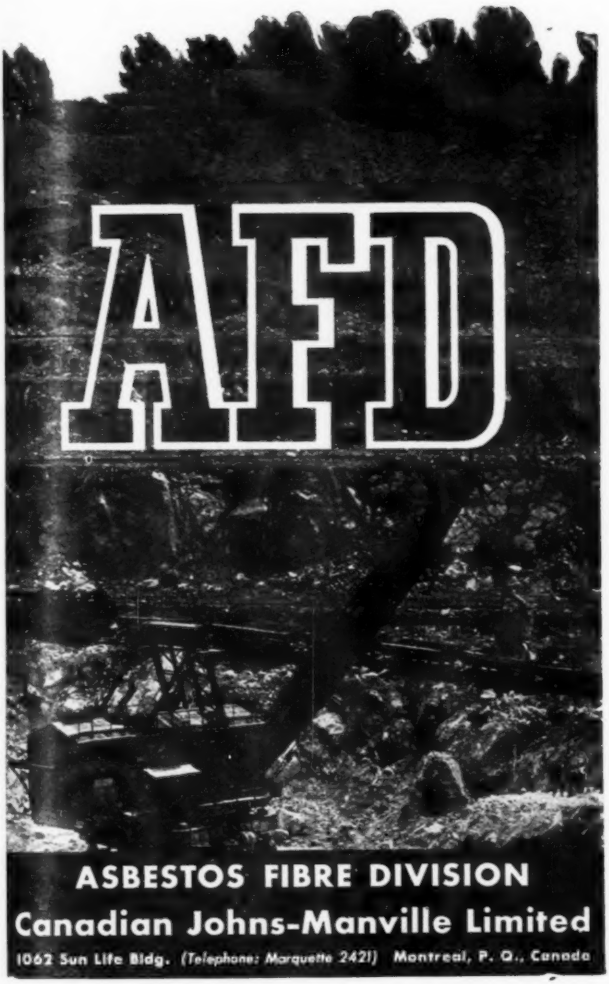
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on asbestos (written by your editor with the much appreciated help of several executives in the Asbestos Industry); A Rapid Method of Determining the Economical Thicknesses of Pipe Insulation, reprint published by the Magnesia Insulation Manufacturers Association; Recovery of Asbestos at the Havelock Mine, by Roland W. Starkey of African Associated Mines, Limited, and available in reprint form; The U. S. Bureau of Mines R. I. 4100—Arizona Asbestos Deposits. And in this section must also be mentioned the book "Report on Germany" by Lewis H. Brown, Chairman of Johns-Manville Corporation, altho it does not cover an asbestos subject.

Patents. The number of patents issued on asbestos products runs about the same as last year—50. Of these, four covered 85% Magnesia insulation, three, other heat insulating material; five, packing and gaskets; eight, asbestos-cement products; three, opening of asbestos fibres; six, friction materials, and the rest were a miscellaneous assortment.

Inquiries. We probably received fewer inquiries for information in 1947 than in the previous year, but those received were for the most part of an important nature. Of course the most frequent question was by letter, by telephone and in person—"where and how can we obtain asbestos fibre", an inquiry which in the face of the continued shortage was difficult, almost impossible, to answer. We gave such inquirers the best information available and in some cases were able to render real help. The next most popular inquiry came from students at colleges who had to prepare a thesis on some phase of the Asbestos Industry, including one who had to give a lecture on some textile fibre and said she chose asbestos because "seemingly very few people know anything about asbestos". Other inquiries of an interesting nature—Who makes Blue Asbestos Yarn? Please supply all available facts and figures as to experiments with asbestos suits? What are the screen analyses of Rhodesian Chrysotile C&G2 and African Amosite M-1 and 3/2 M-1? Who is equipped to make very fine asbestos

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thread? Are there any deposits of asbestos in New York State and if so where?

Miscellaneous. In looking over our editorial pages we find that the subjects were varied: Filtration was covered in two very interesting articles by S. Alsop, Jr., of the Alsop Engineering Corporation at Milldale, Conn.; M. V. Engelbach told you about the work of the Better Farms Building Association; M. E. Fischer of the California State Department of Public Works furnished interesting information on the use of asbestos sheet packing in bridge design; Miss Kay Badollet began an interesting series of articles on the Geology of Asbestos; M. S. Kircher of Hooker Electrochemical Co. wrote of the use of asbestos in the Alkali Chlorine Industry; we ran in serial form an article translated from the Russian on Electron Microscopy of Catalysts; Do's and Don'ts of Insulation were covered by another article and the Blending of Asbestos with other Fibres by G. E. Houghton of the Garlock Packing Company, while the use of Asbestos in the Making of Honey was described in another issue. The Development of Asbestos Clothing was traced from 1926 to date by the Technical Director of an English firm. The Recovery of Asbestos at the Havelock Mine was mentioned elsewhere in this resume.

It has been our pleasure to record three anniversaries during 1947; Asbestos Cement Products Association, its 10th; Canadian Asbestos Co. its 50th, and Wunderlich Limited, its 60th; the latter two in this issue of "ASBESTOS".

Any report on the progress of the Asbestos Industry during 1947 must include mention of work on uniform building codes by the Building Officials Foundation; the adoption of the new standard for Safety Wearing Apparel (No. CS129-47); the beginning of underground workings at the Johns-Manville Mine at Asbestos, Que., and the making by Raybestos-Manhattan of the world's largest brake lining (it was used on a 22 ft. drum on a hoist); the moving of Johns-Manville's asbestos fibre division to Montreal, thus improving its service to customers by being located nearer its mine at Asbestos).

All in all it seems to us that the Asbestos Industry

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PIONEERS IN ASBESTOS

...for every purpose



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And for the efficient conveyance of water, we manufacture "Century" Asbestos-Cement Pipe.

Nature made Asbestos...

Keasbey & Mattison has been making it serve mankind since 1873

K&M best in asbestos

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has made much progress during the past year and we believe that "ASBESTOS" has assisted in that progress by keeping you informed—at least we have received and are most grateful for the many kindly comments sent us by various readers thruout the year.

We hope the coming year will be a satisfying one to all in the Industry; we hope even more fervidly that we may be of greater service.

ASBESTOS ENVELOPES FOR DOCUMENTS

One of our correspondents suggests the use of Asbestos Paper for envelopes in which to store (in the home) documents such as wills and other important papers. He claims that such an envelope as he has in mind, has been tested in his own furnace with good results, and should be in demand because of the difficulty in obtaining safe deposit boxes in many cities at present.

This man is seeking a source of asbestos paper who would perhaps further his experiments. His name and address will be given to anyone sufficiently interested in the proposition to write us.

1947 CENSUS OF MANUFACTURES

Shortly after the first of the year Asbestos firms will receive forms for the 1947 Census of Manufactures. This census is generally regarded as the most important ever undertaken because of the exceptional changes in manufacturing generated by the war and reconversion periods. We urge all in the Asbestos Industry to fill out the forms with the greatest of care, and return *promptly* to the Bureau of Census, to the end that the final tabulation may be published by the Bureau at the earliest possible moment.

• • • —

Worry is interest paid by those who borrow trouble—George W. Lyon.

Research, designer and superintendent asbestos cement, siding shingles, roofing, sheeting, corrugating and ebony board (asbestos cement pipe and conduit). Available after February, 1948. Address Box 12W-O, Asbestos, 17th Fl., Inquirer Bldg., Phila. 30, Pa.

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MIRACLE BOARD

A Wartime Product Designed for Peacetime Uses

By M. V. Engelbach[1]

"There is nothing new under the sun"—so say the sages. For instance, the "Flying Carpet" of Arabian Nights fame. Today we have our own "Flying Carpets" only we call them airplanes. And maybe our airplanes are just modern adaptations of the old, old flying carpet.

The same applies to many of our much heralded modern, wartime developed and "post-war" building materials. Many are just modern adaptations or applications of materials and techniques long known to man. And this brings us down to concrete and Asbestos-Cement Board.

After all, "concrete" is no modern invention. It was known to the ancients in many forms. Suitable aggregates firmly bonded by suitable cementation binders makes concrete. And there are many types of concretes.

Among others, Nebuchadnezzar used bituminous concrete made of asphalt and sand. The Egyptians, and later the Romans and others, used concretes made of crushed rock or gravel, and various types of hydraulic cements.

Today, among our many types of highly developed concretes we find a wide sale and use for Asbestos-cement materials in many forms. For a generation, both here and in other parts of the world, a relatively standard type of hydraulicly pressed Asbestos-Cement Board has been produced. It is a fine material for many purposes—a dense, hard, durable, material that resisted time, weather, water, some chemicals, and is *firesafe* because it is *absolutely incombustible*. It is also "resistant" to the driving of nails, sawing and working with the ordinary tools we all are used to or with which we are more or less handy.

At first construction men looked on it with suspicion. They didn't want to waste time and money drilling holes for nails. Mechanics didn't like to ruin their tools and saws, designed for cutting wood. Few of them had power driven portable saws, equipped with abrasive wheels to cut this

[1] Manager Field Engineering, The Ruberoid Co.

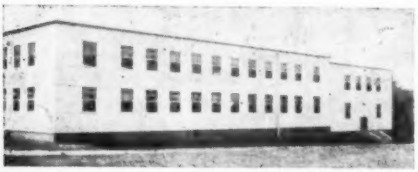
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dense, hard Asbestos-Cement Board. Thus Asbestos-Cement Board was involved with the most important of all "resistances"—"sales resistance"—and its sale was limited.

Then along came World War II, and practically overnight, a first class "war baby" in the form of a new type of Asbestos-Cement Board was born. Soon, for want of a better name, almost everybody was calling it "low density board" to distinguish it from the previously known hard "high density" Asbestos-Cement Board.

At first, the "parents" of this new baby didn't seem to want to acclaim it too loudly. Some of them thought its structure was weak, and its surface too rough. They were not sure that this "war baby" was sturdy enough to develop to manhood in the form of a big volume, universally sold and used new type of building material. But, this baby fooled its parents—as many kids do.

One of the main reasons for its wide and ready acceptance was because it was easy to work. You could sock nails



Government Office Building Washington, D. C.

right thru it without any trouble. That is, provided you used a little common sense in picking a reasonably suitable nail, and you soon learned about that. It was easy to cut too. All you had to do was to score it properly and "break" it off,—technique borrowed from plaster board and tile setters. You could saw it too, without too much trouble.

Best of all, however, you could *get it*, and you could slap it up on Army and Navy camp buildings, Government Office buildings, and wartime housing, inside and out, at low cost and in a hurry. And you didn't have to spend a dime to paint it because it didn't *need* any paint to preserve it or make it look good.

Asbestos-Cement Board saved labor, too. One sheet

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covered 32 square feet of wall in a hurry. Smack it right on the studding, and your wall was done—finished in jig time—at a big saving.

An exterior material that never needed expensive painting—an everlasting *firesafe* utility board that could be used for a myriad of construction purposes from office buildings to hog houses, and that is what it is. It can be



Office and Shop. The Uses of Asbestos-Cement Board are Many and Diversified

used indiscriminately for exterior and interior. It is easy to get, easy to work, and cheap to buy—strong, durable and good looking.

The demand grew to be tremendous. Millions of square feet of this "low density" Asbestos-Cement Board were produced and used. The more they used the more they wanted—because it filled a long felt need for an easy to



Hog Houses with Hogs Enjoying Life in the foreground

use, low cost, *permanent*, weather and fireproof building board.

The Government first, then the contractors on Government buildings, and later the general public, quickly

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learned that here was the answer to many a prayer and construction need. An inert, mineral board, that could stand sun and rain, heat and cold, wetting and drying, had a definite permanent place in modern construction, whether the building was to be a "temporary" wartime structure or a "permanent" building.

Thus, what can be called "low density" Asbestos-Cement Board, basically developed as a wartime expedient, has grown by its sheer excellence, utility, and economic value to be a standard, popular building material in its own right.

Of course, this "low density" board, has been improved as its production continued. But fundamentally, it has not been changed too much and all its fine qualities of durability and workability have been retained.

Several manufacturers are producing it as a standard item. Building material and lumber dealers have a steady and growing sale for it. Mechanics are becoming familiar with how to handle and work it. Architects are finding that Asbestos-Cement Board has many applications, and lends itself to uses, savings and decorative treatments they never dreamed of before.

Building Code authorities are finding that they must include it in any modern building code. Fire Marshals are learning that an absolutely incombustible Asbestos-Cement Board has innumerable uses as an ignition preventer, and a firesafe material that can save fire loss and human life because it can't ignite and start fires, or burn and continue fires, or produce toxic smoke.

Farmers are learning—and very rapidly too—that Asbestos-Cement covered and lined farm structures are the answer to their low cost, permanent, and sanitation requirements. Industrial architects are learning it is an ideal plant material and—I could go on ad infinitum. But what's the use—under any name you wish to call it, Asbestos-Cement Board is here to stay.

. . . —

Look upon the present as the past of your future.—Allison.

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ASBESTOS

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REPORT ON GERMAN METHODS OF OPENING ASBESTOS SPINNING STOCK

Practices used by the Germans for obtaining a clean and well opened asbestos spinning stock are described as "unique and most efficient" in a report now on sale by the Office of Technical Services, U. S. Department of Commerce. The report was prepared by Gerd M. Bloomfield, superintendent, Union Asbestos & Rubber Co. Cicero, Ill., following an investigation of the German Asbestos Industry under OTS sponsorship.

The process, as used by the Frankfurter Asbestwerke, at Frankfurt, Germany, involves loosening up the raw asbestos in a crushing roller mill. The mill has wide conical rollers unlike conventional chaser mills with cylindrical rollers. The conical feature eliminates undesirable friction between the rollers and the trough, and the rollers are built larger and heavier, resulting in faster production and smoother handling of the fibre.

After loosening, the raw asbestos is sent thru a vertical opener, and thence to a screening drum where impurities are eliminated. The screening is especially important in preparing high grade asbestos spinning stock, the report states. The machine consists of a large inclined drum with a bottom of exchangeable sheet metal sieves having openings varying from 1/8 to 1/3 of an inch. Spiral beater arms beat the material thoroly while transporting it across the sieves to the end of the drum. After screening, the various grades of raw asbestos are blended into spinning stock or mixed with reclaimed waste or other fibres.

According to the report "The screening of the asbestos provides the mill with grades of fibre which comply with the needs of production and quality required. First, a long fibre, clean and of highest grade is obtained. Secondly from the screened out waste fibre mixed with other waste from the mill and screened on a smaller sieve, a shorter spinning fibre is obtained, and the producer is able to determine how high a percentage of this shorter fibre he can allow in the various mixes and use the remainder in other products. Thus he is fairly sure to have a uniform

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AMOSITE ASBESTOS

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stock, notwithstanding unavoidable variation of the raw material as it comes from the mines. Thirdly, most of the undesirable impurities and dust are eliminated."

Further details and a schematic drawing of the process are contained in the report.

Other developments in the German asbestos industry found of interest to the investigator include a carding machine for processing short asbestos fibre, high speed braider machines, methods for recovering volatile solvents, elaborate precautions taken to prevent dust and protect workers against silicosis in German plants, and the development of a synthetic asbestos.

The report (PB-78290, "Technical and scientific developments related to the Asbestos Industry in Germany") contains photographs and diagrams of machinery considered of particular interest by the investigator. It can be obtained in mimeographed form (48 pages) by ordering from the Office of Technical Services, Department of Commerce, Washington, 25, D. C., for $1.25. Check or money order, made payable to the Treasurer of the United States, should accompany order.

Editor's Note. Mr. Bloomfield's report supplements two previous reports on the German Asbestos Industry, viz: PB 3879, The Asbestos Textile Industry by Robert E. Cryor, published in "ASBESTOS" in 1946, and available in mimeographed form from the OTS for $1.00, and the British Report (PB-34022—The German Asbestos Industry) photostat copies of which can be obtained from the OTS for $5.00. (See November 1946 "ASBESTOS", page 18 and February 1947, page 16).

WET MACHINE FELTS
FOR
ASBESTOS CEMENT PRODUCTS
ASBESTOS MILL BOARD
DRYCOR FELT COMPANY
BELLEVILLE, N. J., U. S. A.

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MARKET CONDITIONS

GENERAL BUSINESS

The inflation spiral continues and one of the chief queries in everyone's minds is "What causes high prices?" This is being variously answered depending upon whether you are a politician, a business man, member of some workers' Union, or a plain, everyday American citizen trying hard to stretch the dollars.

There are shortages reported in a host of materials and products, some of which in turn create bottlenecks in other industries. Costs are increasing all along the line—wages, raw materials, freight—a constant worry to heads of businesses; there must be a limit somewhere.

Third quarter earnings were at historically high levels, reflecting the high levels of production, but the trend is levelling off in the face of increasing competition and rising costs.

ASBESTOS - RAW MATERIAL

The major Canadian Asbestos Producers have increased their prices during November in varying amounts. Practically all purchasers of Asbestos Fibre are attempting to contract for more tonnage than is readily available. Demand for all grades is very good, and mines are *unable to meet* the requirements of the manufacturers of Asbestos-Cement Products. Inquiries from abroad continue to come in but many of them from new accounts must be turned down, because there simply isn't sufficient asbestos to go around.

Asbestos Textiles. Some falling off in demand is noticed, in fact one manufacturer reports that delivery on cloth and tapes of various widths and thicknesses ranges from immediate to two weeks, substantially better service than has been offered for many a day. The electrical line and oil burner wicking business has been very much below expectations. On the other hand packing business has shown a decided upward trend and friction materials,

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Each "tops" in its line!

- Asphalt Roofing and Siding
- Built Up Roofings and Waterproofings
- Asbestos-Cement Products
- Insulation, Pipe-Coverings, etc.
- Coal Tar Products
- Building and Waterproof Papers
- Pipe Line Wrapping Materials
- Insulating Tape
- Rapid Asphalt Paint

The Product Roll Call That Makes

RUBEROID

"A name to remember"

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safety clothing and some other lines have also increased in demand.

In view of the increased costs of asbestos fibres, there is every reason to expect higher prices within a short time.

Brake Lining. Certain basic raw materials are short and this may have the effect of limiting production of both linings and facings as well as brake blocks. Business should remain fairly steady in the replacement field and show increases in equipment sales.

Asbestos Paper. In this market production cannot keep up to demand because of lack of machine capacity and shortage of asbestos fibres. More and more asbestos paper is going into the saturated paper field, and in all parts of the country demand for saturated paper exceeds production.

Asbestos Millboard. Demand for this commodity is said to be steady but no difficulty in meeting customer requirements.

Increases in price were reported in November, but readers probably noticed, and recognized as an error, our statement that the increase on less carload quantities was 50%. This should have read 20%—a typographical error.

Insulation. High Pressure. Reports from all parts of the country are to the effect that heavy demand continues to exist, in fact some manufacturers tell us that there has been a sudden increase in requirements. One manufacturer, who recently increased their prices, says that their distributors are placing orders for all outstanding commitments.

Insulation. Low Pressure. Delayed jobber business in this commodity is becoming very active. Shortage of asbestos paper and of wool felt continues to be a problem.

Asbestos-Cement Products. Demand for roofing and siding shingles still far exceeds production capacity and this condition will probably continue for some time. Shortage of fibres still limits production.

Practically the same condition exists in the corrugated and flat market.

Asbestos Cement Pipe continues in high demand but there is some evidence of slackening in the flue pipe mar-

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HAIR FELT

FOR

Low Temperature Insulation

Newark Hair Felt Co.

1000 Maple Avenue

Lansdale, Penna.

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ket, altho backlogs are substantial at the present time.

The above comments are made by various executives in the different divisions of the Industry who are in close contact with the markets. We wish to take this opportunity to thank those who send in their opinions which during the past year have shown thought and have been so helpful in making our market comments worthwhile.

REPORT ON OCTOBER CONSTRUCTION

Investments in construction amounting to $793,286,000 in October in the thirty-seven states east of the Rocky Mountains pushed the chart lines upward to a level 22 per cent higher than the volume shown for last month and 38 per cent higher than in October of last year, to bring the cumulative total for the first ten months of 1947 to $6,419,397,000, almost even with that reported for the corresponding period of last year, according to F. W. Dodge Corporation.

The strongest advances were in residential building contracts, October gains of 30 per cent over September and 49 per cent over October of last year being reported, with the cumulative volume of the first ten months of the year being 3 per cent below that reported for last year.

The Dodge Corporation estimates total construction contracts for next year as $8,035,000,000. The only major classification for which a decline is expected next year is in manufacturing buildings, where a drop of 14% is estimated.

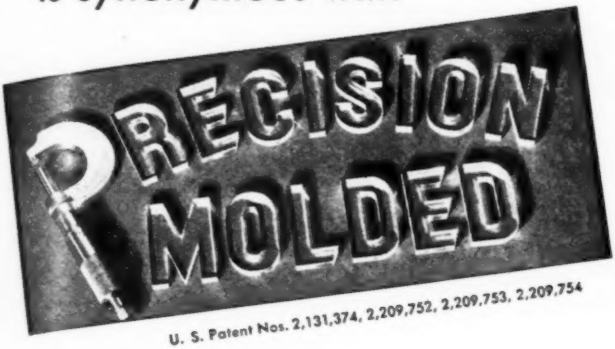
MACHINERY
For making corrugated sheets and pressure pipes, delivered from stock.
Complete plants designed and equipped
SOCIETA "DURITE"
Via Cavana 24 Trieste

RUBBER CEMENT
For Asbestos Packings
RUBBER & ASBESTOS CORP.
25 CORNELISON AVENUE
JERSEY CITY 4, N. J.

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LIGHT DENSITY TYPE HEAT INSULATION

is synonymous with



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

PLANT **RUBBER & ASBESTOS WORKS**

Manufacturers of

Plant "Precision Molded" 85% Magnesia

GENERAL OFFICES:
SAN FRANCISCO 7

FACTORIES:
EMERYVILLE, SAN FRANCISCO, REDWOOD CITY • CALIFORNIA

PLANT ENGINEERING SERVICE UNITS IN PRINCIPAL CITIES

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WAGE RATES FOR PIPE COVERERS

The October issue of The Asbestos Worker (published quarterly by the International Association of Heat and Frost Insulators and Asbestos Workers) shows the following changes in wage rates for pipe coverers from those reported in our August 1947 number:

In effect October 1947	
Anchorage, Alaska	$2.66
Boston, Mass.	2.15
Cedar Rapids, Ia.	2.00
Jacksonville, Fla.	1.88
Knoxville, Tenn.	1.87½
Lawrenceburg, Ind. (Distillery Plant Workers only)	1.60
New York City, N. Y.	2.75
Phoenix, Ariz.	2.00
Portland, Ore.	2.12½
Providence, R. I.	2.05
Sioux City, Ia.	1.75
Tacoma, Wash.	2.03½

Effective January 1, 1948	
Albuquerque, N. M.	$1.87½
Atlanta, Ga.	1.87½
Austin, Texas	2.00
Baton Rouge, La.	2.00
Birmingham, Ala.	1.90
Charleston, S. C. (Except Navy Yard)	2.00
Corpus Christi, Texas	2.00
Dallas, Texas	2.00
Fort Worth, Texas	2.00
Jackson, Miss.	2.00
Mobile, Ala.	1.87½
New Orleans, La.	2.00
Pascagoula, Miss.	1.87½
Pittsburgh, Pa.	2.25
San Antonio, Texas	2.00
Shreveport, La.	2.00
Tulsa, Okla.	2.00

If you wish to know the previous rates in the above cities, compare with the list given on pages 24 and 25 of our August 1947 issue.

The average building construction wage rate in the United States as of October 1947 is $2.17½ per hour, as against the average of $1.60 per hour in 1942.

AUTOMOBILE SALES[1]

	October 1947	Jan. to Oct. 1947
Passenger Cars	315,969	2,886,091
Motor Trucks	118,365	1,031,454
Motor Coaches	1,667	15,974
	436,001	3,933,519

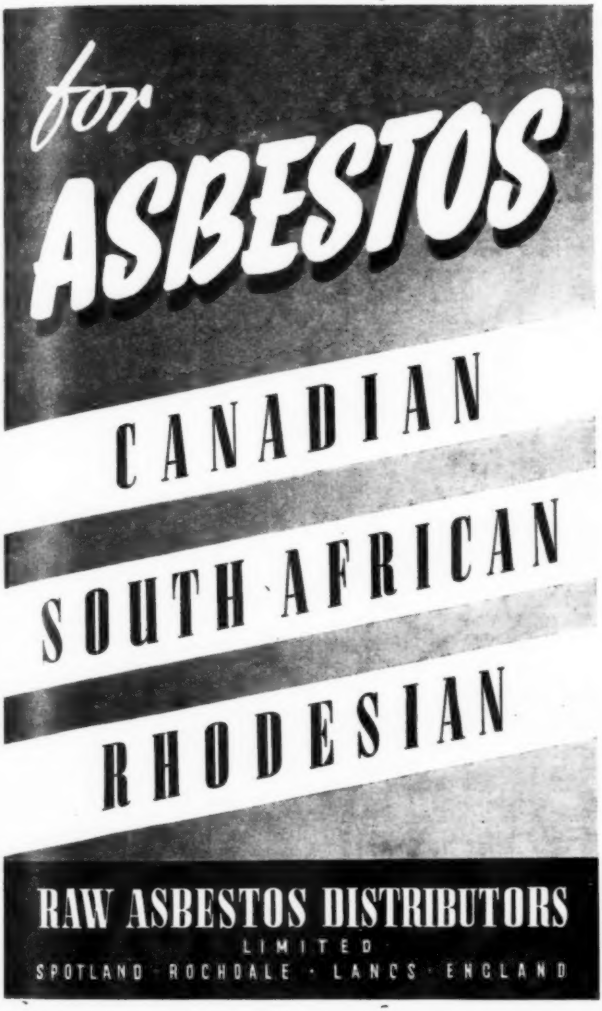
In September total sales were 420,270 (Revised).

Total sales in October 1946 were 391,727; for the first 10 months of 1946 they totalled 2,342,632.

These figures cover the United States only.

[1]Figures supplied by the Automobile Manufacturers Association, New Center Building. Detroit, Mich.

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PRODUCTION STATISTICS

Africa (Rhodesia)

(Rhodesia Chamber of Mines)

Production for
August 1947 4,468.25 tons (2000 lbs.) valued at £148,359

Africa (Swaziland)

Production for
September 1947 ..... 2,450 tons (2000 lbs.)

Canada

(Department of Mines, Province of Quebec)

September 1947 ..... 58,356 tons (2000 lbs.)
September 1946 ..... 51,092 tons (2000 lbs.)

By Grades (3rd Quarter)

	3rd Qr. 1947 Tons (2000 lbs.)	3rd Qr. 1946 Tons (2000 lbs.)
Crude	223	233
Fibres	55,921	58,608
Shorts	108,376	91,345
	164,520	150,186

France

(U. S. Mineral Trade Notes)

According to information contained in Direction de la Coordination Industrielle of the Ministry of Industrial Production of France, 1,016 tons of asbestos were produced in 1945 and 587 tons in 1946.

FOR SALE

1. Amosite asbestos felt blankets ¾" x 60" x 50 ft.; in rolls of approximately 200 pounds. Materials prepared by Union Carbide Company. 36 rolls in stock.

2. Fiberglas Tape, Stripping; Owens-Corning Fiberglas Corporation, Class A, 1½" x .005". 36 yards per roll. Packed in cartons of eight rolls. Twenty-seven cartons to the crate. 20 crates in stock.

Will accept any reasonable offer for any portion or all of these materials.

Cunningham Engineering Company
Beaumont, Texas

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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

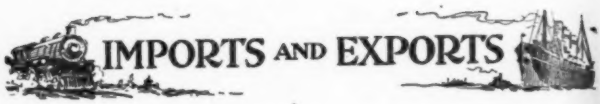
GREAT BRITAIN ..... A. A. BRAZIER & CO.
"Avenue Lodge"
65a Bounds Green Road,
LONDON, N. 22, England.

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

NEW YORK, N. Y. ..... CONNELL ASBESTOS MFG. CO.
Bldg. 1, Atlas Terminal
Glendale 27, L. I.

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

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Imports into U. S. A.

(Figures by Bureau of Census)

Unmanufactured Asbestos — By Countries

	September 1947 Tons (2240 lbs.)
From Canada	43,146
S. Rhodesia	703
Union of S. Africa	1,716
U. S. S. R.	683
	48,248
Value	*$2,661,593*

By Grades:

Crude No. 1 (Chrys) Canada	26
Crude No. 1 (Chrys) S. Rhodesia	165
Crude No. 2 (Chrys) Canada	27
Crude No. 2 (Chrys) S. Rhodesia	431
Crude Other (Chrys) S. Rhodesia	107
Crude Other (Chrys) U. S. S. R.	683
Crude (Blue) U. of South Africa	344
Crude (Amosite) U. of South Africa	1,372
Textile Fibres (Chrys) Canada	1,361
Shingle Fibres (Chrys) Canada	5,854
Paper Fibres (Chrys) Canada	4,909
Fibres—Other (Chrys) Canada	32,969
	48,248

Manufactured Asbestos Goods:

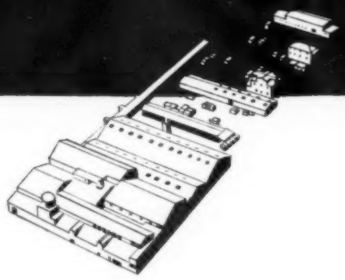
	September 1947 Quantity (Lbs.)	Value
Asbestos Yarn		
United Kingdom	3,762	$ 2,942
Asbestos Packing—Fabric		
United Kingdom	24	58
Asbestos Packing—Not Fabric		
United Kingdom	9,125	5,912
Asbestos Woven Fabrics		
Canada	9	5
United Kingdom	1,204	1,161
Asbestos Brake Lining Molded		
France	101	28

(Cont'd)

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ASBESTONE
CORPORATION

Manufacturers
Asbestos-Cement
Building Products



FACTORY AND SALES OFFICE
5372 TCHOUPITOULAS ST., NEW ORLEANS, LA.

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Imports into U. S. A.—Manufactured Goods (Contd)

	September 1947 Quantity (Lbs.)	Value
Asbestos-Cement (Not Impregnated)		
Canada	94,932	2,619
Asbestos-Cement (Impregnated)		
Canada	82	3
Asbestos Manufactures—Other		
Canada	....	5
United Kingdom	....	446
	109,239	$13,179

Exports from U. S. A.

(Figures by Bureau of Census)

Unmanufactured Asbestos

	September 1947 Tons (2240 lbs.)	Value
To Argentine	36	$ 1,540
Brazil	13	2,485
Venezuela	135	27,263
Belgium	27	750
Australia	3	1,500
Curacao	14	930
	228	$34,468

Manufactured Asbestos Goods

Asbestos Paper, Mlbd. & Rlbd.	Lbs. 349,610	71,995
Asbestos Pipe Covg. & Cement	Lbs. 255,401	26,573
Asbestos Textiles & Yarn	Lbs. 28,518	25,318
Asbestos Packing	Lbs. 212,139	162,519
Asbestos Brake Lng. (Mld.&S.Mld.)	Lbs. 268,079	259,721
Asbestos Brake Lng. (Woven)	L. Ft. 47,697	32,206
Asbestos Clutch Fcgs. (Mld.&S.Mld.)	No. 129,041	57,516
Asbestos Clutch Fcgs. (Woven)	No. 18,867	11,583
Asbestos Brake Blks. (Mld.&S.Mld.)	Lbs. 37,880	30,333
Asbestos Brake Blks. (Woven)	Lbs. 5,143	3,813
Asbestos Sheets	Lbs. 647,775	37,760
Asbestos Roofing	Sqs. 23,357	180,496
Other Asbestos Manufactures	Lbs.	103,510
		1,003,343

ITALIAN ASBESTOS

Long Carded Fibres — Spot and for Shipment from Italy

ROBERT P. GOEDERT

145 Hudson Street, New York 13, N. Y.

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ASBESTOS INTERNATIONAL CORPORATION

The only plant in the U. S. A. Processing
All Grades and Types
of

RAW ASBESTOS

for
Every Use

•

ARIZONA
AMOSITE
BLUE
CANADIAN
CHINESE
INDIAN
RHODESIAN
RUSSIAN
SOUTH
AFRICAN

•

Preparation Plant
451 Communipaw Ave. Jersey City, N. J.
Mines—South Africa

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NEWS OF THE INDUSTRY

BIRTHDAYS

J. H. Brown, President, G. A. MacArthur Co., St. Paul, Minn., December 19.

W. E. Harvey, Assistant Treasurer, Thermoid Co., Trenton, N. J., December 19.

W. C. Gilbertson, Secretary, Southern Friction Materials Co., Charlotte, N. C., December 20.

John P. DuBois, Vice President and General Sales Manager, Ehret Magnesia Mfg. Co., Valley Forge, Pa., December 20.

Harry C. Redstone, Secretary, Asbestos Distributors, Inc., Port Chester, N. Y., December 20.

George N. Clark, Clark Asbestos Co., Cleveland, Ohio, December 22.

R. L. Clark, Manager Clark Asbestos Co., Cleveland, Ohio, December 22.

Wm. Nanfeldt, Vice President, World Bestos Corp., New Castle, Ind., December 22.

Al Kevelson, Ace Asbestos Mfg. Co., Jersey City, N. J., December 24.

Jacob P. Epstein, President, Empire Asbestos Products Inc., Glendale, L. I., N. Y., December 25.

A. P. Smith, Secretary, Russell Mfg. Company, Middletown, Conn., December 25.

Matthew J. Fitzgerald, President, Standard Asbestos Mfg. Co., Chicago, Ill., December 27.

A. G. Newton, President, Rockbestos Products Corp., New Haven, Conn., December 28.

E. E. Tanguy, District Manager, Armstrong Cork Co., Baltimore, Md., December 28.

Fred A. Mett, President, Powhatan Mining Corp., Woodlawn, Baltimore, Md., December 29.

P. S. Nash, Vice President, Union Asbestos & Rubber Co., Chicago, Ill., December 31.

Harold O. Weise, Vice President, Tilo Roofing Co., Stratford, Conn., January 4.

William L. Keady, President, U. S. Gypsum Co., Chicago, Ill., January 5.

C. E. Harwood, Sales Manager, Russell Mfg. Co., Middletown, Conn., January 5.

L. A. King, Manager, Tulsa Branch, Kelley Asbestos Products Co., Tulsa, Okla., January 8.

J. C. Kelleher, Sales Manager, Asbestos Fibre Division, Cana-

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Is Labor The Problem ?

Norristown Insulations

Save on Applications

USE

NORRISTOWN'S COMPLETE LINE

OF

HEAT AND COLD INSULATIONS

NORRISTOWN
MAGNESIA & ASBESTOS CO.

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dian Johns-Manville Company, Limited, Montreal, P.Q., Canada, January 10.

R. H. Chase, Vice President and General Manager, Plant Rubber & Asbestos Works, San Francisco, Calif., January 11.

Thomas Murray, Manager Roofing Department, A. H. Bennett Co., Minneapolis, Minn., January 14.

J. H. Nankervis, Vice President, Magnesia-Asbestos Insulation Co., New York City, January 16.

F. J. Quinn, Secretary-Treasurer, Asbestos Limited, Inc., Millington, N. J., January 16.

Congratulations and best wishes to all these gentlemen on the occasion of their birthdays.

CANADIAN ASBESTOS COMPANY CELEBRATES 50TH ANNIVERSARY

The Canadian Asbestos Company was founded on December 17, 1897 by B. Marcuse, R. A. Martin, J. H. S. Cass, W. Slater, B. Shepherd and F. Boas, none of whom are now living.

The Company is an important factor in the Asbestos Industry in Canada, as it merchandises a complete line of Asbestos Products, Rock Wool Insulation, Asphalt Bridge-Planking and Expansion Jointing, and also maintains a large marine and industrial contract department. It has thus served the Canadian economy for the last 50 years and thru three major wars.

Plans are at present under discussion for expansion of existing manufacturing, warehousing and distributing facilities.

Present officers of the Company are: Carl Bindman, President; Edwin M. Freeman, Vice President; Cedric H. Rothschild, Treasurer; Walter F. Marcuse (grandson of one of the original founders) Secretary.

PARAFFINE SPLITS COMMON STOCK AND DECLARES DIVIDEND

The Board of Directors of The Paraffine Companies, Inc., at a meeting held at the Company's home offices in San Francisco, on November 26, determined, subject to stockholders approval, to split the Common Stock of the Company on the basis of three shares for one. A stockholders' meeting has been called for January 22, 1948, to vote the necessary amendment to the Company's Certificate of Incorporation.

Paraffine Directors have declared the following dividends: Regular quarterly dividend of $1.00 per share on the 4% Cumulative Convertible Preferred Stock, to stockholders of record January 2, 1948, payable January 15, 1948. Dividend of 75c per share on the Common Stock to stockholders of record December 8, 1947, payable December 23, 1947.

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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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SIXTY YEARS OF WUNDERLICH INDUSTRY

Wunderlich Limited of Sydney, Australia, has issued a beautiful 72 page brochure under the above title in celebration of its 60th Anniversary.

Founded in 1887 by two of the Wunderlich Brothers, Ernest and Alfred Wunderlich, the firm pioneered in Australia the production of a host of building materials in the manufacture of which a major portion of Australian raw products—metals, clay and cement—are used. The chief products of Wunderlich Limited are architectural and industrial metalwork, terra-cotta roofing tiles, and asbestos-cement (under the trade name "Durabestos") products and salt glazed stoneware.

They began the manufacture of "Durabestos" Asbestos-Cement Products at Cabarita, near Sydney, New South Wales in July 1916. At present Asbestos-Cement factories are located at Rosehill, New South Wales; at Sunshine, Victoria; at Gaythorne, Queensland; factories manufacturing the other lines are located at Redfern, N. S. W.; at South Melbourne and Vermont, in Victoria; at Adelaide and Edwardstown, South Australia; at Valley and Ferny Grove, Queensland; and at Hobart and Launceston, Tasmania; 16 in all.

In addition Wunderlich Limited partly owns Asbestos Cement Proprietary Limited at Adelaide, Asbestos Mines Pty, Limited at Baryulgil, N. S. W., and is associated with H. L. Brisbane and Wunderlich Limited which operate four factories at Perth, W. A., producing architectural and industrial metalwork, terra-cotta roofing tiles, stoneware, sanitaryware refractories and pottery work, etc.

Ernest Wunderlich died in April 1945, but Alfred Wunderlich is at present Chairman of the Board of Directors, while Charles Wunderlich (son of Alfred) and Douglas Croudace (who joined the firm as Accountant in 1904) are managing directors. The other three directors are Edgar A. Holden, V. G. Watson and A. S. P. Sangster.

The brochure contains many illustrations showing the factory building and grounds, interiors of buildings and interesting pictures of various products.

PAUL J. KREZ COMPANY
Opens Branch in Des Moines

Leonard Krez, Vice President of the Paul J. Krez Company of Chicago, Ill., announces the opening of a Branch Office and Warehouse at 1239 Maine St., Des Moines, Ia.

Albert E. Locy, who has been associated with the Krez Company for the past 26 years, will be in charge. A complete stock of Philip Carey Mfg. Company's material will be maintained and the Contract Department available to execute insulation work of any type.

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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

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DR. RASSWEILER SPEAKS ON INDUSTRIAL RESEARCH

Dr. C. F. Rassweiler, Vice President for Research and Development, Johns-Manville Corporation, addressed the American Convention of Paint and Varnish Production Clubs, on November 8th, at its Convention held in Atlantic City. His subject was "Industrial Research—A New Science".

ASBESTOS CORP. DECLARES DIVIDENDS

An extra of 45c and a quarterly dividend of 25c, both payable December 22, were voted by the Asbestos Corporation Board of Directors recently. The firm previously paid 20c plus 10c extra in each quarter.

VAN CLEEF BROS., PURCHASED BY J-M CORPORATION

Johns-Manville has announced the purchase of Van Cleef Bros., Inc., of Chicago, internationally known manufacturers of "Dutch Brand" industrial and automotive products.

The firm will be operated as a wholly owned subsidiary of J.-M Corp.; no change is being made in the manufacturing, merchandising or distribution system. The products of Van Cleef Bros. consist mainly of those involving the use of crude and synthetic rubber—liquid cements, molded parts, sponge rubber and coated materials, including a large variety of commercial and industrial tapes. The products complement and in no way duplicate industrial and automotive products manufactured by Johns-Manville.

MANHATTAN RUBBER FOREMEN Given Annual Dinner

Four hundred foremen, supervisors, officials and their wives, representing the production management of the Manhattan Rubber Division was held at Donahue's Inn, Mountain View, N. J., on November 2nd.

This is the 3rd Annual Dinner to be given foremen. John H. Matthews, Vice President welcomed the foremen; Dennis J. Fenelon, Personnel Manager, acted as toastmaster.

PAUL A. VOIGT SPEAKS AT HOME BUILDERS CONFERENCE

Paul A. Voigt, Commodity Manager, Asphalt and Asbestos Roofings, of Johns-Manville, made a three-minute speech at the Home Builders Conference, held at the Hotel Commodore, on December 1st.

Mr. Voigt discussed Building Materials Costs, and also assured his audience that the producers of Asbestos building materials were doing everything possible to keep their production to capacity and to deliver their products in the shortest possible time.

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INDUSTRIAL MEDICINE CLINIC HELD AT MANHATTAN RUBBER

The mechanical rubber goods plant was host to a group of New Jersey physicians during the Fifth Clinical Conference of the New Jersey Section of the American Medical Society.

The physicians inspected the 14-room Plant Hospital, and Dr. J. M. Keating, Plant Physician delivered a lecture on "Infections and Injuries of the Hand".

PERSONNEL CHANGES AT THERMOID

In line with its expanded sales and manufacturing program, Thermoid Company has announced the following personnel changes:

Jack Brand, formerly Assistant Sales Manager at Thermoid's Automotive Replacement Division at Trenton, will handle Industrial Sales for the state of Colorado, with headquarters at Denver.

J. J. Chamberlain, formerly associated with Pioneer Rubber Mills of California and the Rubber Division of Paramount Mfg. Co., will handle Industrial Sales in the state of Washington and northern Oregon, with headquarters in Seattle.

E. J. Dunlap has been transferred from Trenton, where he headed Industrial Sales Promotion, to San Francisco, where he will have charge of Industrial Sales for northern California and southern Oregon.

A. Fred Matheis, who has been in Industrial Sales with Thermoid at Trenton for 20 years, assumes the duties of Industrial Sales Promotion Manager.

H. William Overman, Manager of Industrial Friction Materials Division, has transferred his headquarters to the Thermoid office at Detroit, Mich. He will continue to direct Industrial Friction Material sales from that office.

Jack Wright, who will headquarter at Salt Lake City, Utah, has been assigned Industrial and Oil Field Sales in Utah, Idaho, Wyoming, Montana and Western Canada.

The new manufacturing unit of Thermoid at Nephi, Utah, is undergoing pilot runs at present; full production is anticipated early next year.

P. L. EDWARDS ASST. MANAGER MANHATTAN CENTRAL DISTRICT

Appointment of P. L. Edwards as assistant manager of its Central District Office in Pittsburgh, has been announced by Raybestos-Manhattan, Inc., (Manhattan Rubber Division).

Mr. Edwards who has been manager of the Products Division of Manhattan's Western District Office, started with the Company 29 years ago as a clerk in the Chicago Office. He will take over his new duties on January 1.

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MIDWEST FERRO-THERM DISTRIBUTORS ORGANIZED

Midwest Ferro-Therm Distributors, Inc., has been organized at 9 S. Clinton St., Chicago, to handle distribution of the steel insulation manufactured by American Flange & Mfg. Co. in the midwest and central states. W. J. Donahoe is President of the new firm which will cover Illinois, Indiana, Kentucky, Missouri, Iowa, Wisconsin and Minnesota.

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.

Drier Felt Seam Securing Strip. No. 2,428,097. Granted on September 30, 1947 to John Roslund, Philadelphia, assignor to Asten-Hill Mfg. Co., Philadelphia. Application December 23, 1941. Serial No. 424,201.

A seam forming device for securing together the ends of a thick, absorbent fabric drier felt in a cemented strongly bonded lapped seam devoid of cement at the outer fabric surface, comprising a strip having a cement-permeable thin open mesh fabric core coated on both sides with a solid water and heat resistant cement subject to softening upon moistening with a suitable solvent and being of appreciable thickness sufficient to penetrate the thickness of the felt ends to a substantial depth.

Friction Element. No. 2,428,298 and 2,428,299. Granted on September 30, 1947 to Ray E. Spokes, Ann Arbor, and Emil C. Keller, Detroit, Mich. Assignors to American Brake Shoe Co. Application November 16, 1942. Serial No. 465,734. Divided and new application February 27, 1947. Serial No. 731,274.

A friction element for use upon vehicular brakes and upon clutches comprised of a mass of friction material, inert filler and a friction modifying agent bonded with a heat reaction product. Further description upon request.

Magnesia Insulation. No. 2,428,555. Granted on October 7, 1947, to Arthur B. Cummins, Plainfield, N. J., and August M. Dinkfeld, Palo Alto, Calif., assignors to Johns-Manville Corporation. Application March 27, 1943. Serial No. 480,882.

Apparatus for continuously forming and curing Magnesia Insulation Blocks comprising an extruder having a bore which is dimensioned to match the cross-sectional dimensions of the blocks to be produced, a heating jacket enclosing said bore, means for circulating a heating fluid thru said jacket, means for supplying an aqueous slurry charge of normal Magnesium Carbonate crystals and asbestos fibres, means for shaping said slurry charge to the cross-sectional dimensions of the extruder

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bore and means for forcibly advancing the shaped charge thru said bore at a rate controlled to effect a preliminary shape retaining set of the charge during its period of sojourn in the bore, said bore having perforations arranged to bring the heating fluid circulating in the jacket in direct contact with the charge undergoing heat cure as it advances thru the bore.

BOOK LIST

Asbestos Mining Methods. By C. V. Smith. (Reprint) 16 pages. 25c per copy, discount in quantities of 50 or more.

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, discount in quantities of 50 or more.

Recovery of Raw Asbestos. By Roland Starkey. (Reprint) 6 pages. Supplement to Milling Asbestos. 25c per copy, discount in quantities of 50 or more.

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

Canadian Chrysotile Asbestos Classification. Including latest Quebec Testing Method. 30c.

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.

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) 25c each

Asbestos: A Magic Mineral, by Lilian Holmes Strack. Makes a a nice Christmas Present for children of school age. $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.

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CURRENT RANGE OF PRICE

As of December 10, 1947

	Per Ton (2000 lbs.) f.o.b. Mine		
Canadian—			
Group No. 1 (Crude No. 1)			$800.00
Group No. 2 Crude No. 2; Crude Run-of-Mine and Sundry	$302.50	to	545.00
Group No. 3 (Spinning or Textile Fibre)	170.50	to	354.50
Group No. 4 (Shingle Fibre)	82.50	to	127.00
Group No. 5 (Paper Fibre)	58.00	to	73.50
Group No. 6 (Waste, Stucco or Plaster)	43.00	to	47.50
Group No. 7 (Refuse or Shorts)	19.50	to	44.50
Vermont—			
Per Ton of 2000 lbs. f.o.b. Hyde Park or Morrisville, Vt.			
Group No. 4 (Shingle Fibre)	$92.50	to	$102.50
Group No. 5 (Paper Fibre)	65.00	to	73.00
Group No. 6 (Waste, Stucco or Plaster)			48.50
Group No. 7 (Refuse or Shorts)	25.50	to	44.50

Note: Crude Run-of-Mine (Canadian) refers to a crude asbestos produced in certain mines where Crude Fibre is not graded into regular No. 1 and 2 Crude. Crude Sundry refers to certain odd lots of off material which do not conform to the regular standards of No. 1 Crude or No. 2 Crude.

ASBESTOS STOCK QUOTATIONS

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

		November 1947		
	Par	Low	High	Last
Armstrong Cork Co. (Com.)	np	48	49¾	49¾
Armstrong Cork Co. (Pfd.)	np	95⅞	99¾	97½
Asbestos Corp. (Com.)	np	26	27¾	27½
Asbestos Mfg. Co. (Com.)	1	2	2⅛	2
Celotex (Com.)	np	26½	28½	26¾
Celotex (Pfd.)	20	20⅛	20⅜	20⅛
Certainteed (Com.)	1	16¾	18⅝	16⅞
Flintkote (Com.)	np	33¾	38½	33¾
Flintkote (Pfd.)	np	100½	105½	102⅞
Johns-Manville (Com.)	np	41⅜	44⅜	41⅜
Johns-Manville (Pfd.)	100	115	122½	115
Raybestos-Manhattan (Com.)	np	33½	35⅞	35¼
Ruberoid (Com.)	np	61½	67¼	63
Thermoid (Com.)	1	9⅞	11¼	10
Thermoid (Pfd.)	50	47½	52	49
Union Asb. & Rubber (Com.)	5	11¼	12¾	12⅛
U. S. Gypsum (Com.)	20	102½	106	102½
U. S. Gypsum (Pfd.)	100	176	183	183
U. S. Rubber (Com.)	10	43½	47¼	44
U. S. Rubber (Pfd.)	100	126	140	128½

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AFTERTHOUGHTS

An asbestos ironing board cover, product of Textile Mills Company of Chicago (made of U. S. Rubber Co.'s Asbeston cloth) embroidered with the authentic coat-of-arms of Princess Elizabeth, was one of a group of gifts sent to the Princess by Lewis & Conger, a New York Department store.

The Topical Index for the year 1947 on the opposite page, can, if desired, be detached and kept with others published in previous years—thus forming an Index of all important articles published in "ASBESTOS".

Our Review of the year should have mentioned our callers. Besides several from firms in the United States we have had visitors from England, Australia, Holland and Bolivia. We are always glad to welcome such visitors; often we can help them, and even more often they give us ideas, or interesting information.

Should anyone care to know, Carosel (asbestos) towels are sold in Philadelphia by Wanamaker's.

An article in the Institutions Magazine states that tests conducted by the National Bureau of Standards on asphalt tile, made of asbestos and asphalt, indicate that a person is less likely to slip on it than on other smooth-surfaced resilient flooring, provided a high-gloss wax coat is avoided. Does anyone know whether the asbestos has anything to do with the non-slipping qualities?

Lewis H. Brown, Chairman of Johns-Manville, spoke at the Academy of Political Science meeting on November 12th, concerning the Marshall Plan and suggestions for its administration.

Merry Christmas



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WANTED

Project engineer wanted for development work on friction materials. Must have experience in formulating and processing. Our employees are aware of this ad. Salary open. **Address Box 12R-B, Asbestos, 17th Fl., Inquirer Bldg., Phila., 30, Pa.**

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TAPE WORM

Meet Thaddeus Q. Brownstudy, our expert on asbestos tapes. You might say that his field is rather specialized, and you'd be right. R/M has many different specialists, like Thad, designing asbestos products for industry. In tapes, for instance, R/M weaves dozens of varieties, from 1/32" to 1¼" thick. In quality and workmanship, they are typical of all the diverse asbestos products made by Raybestos-Manhattan.

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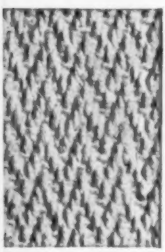
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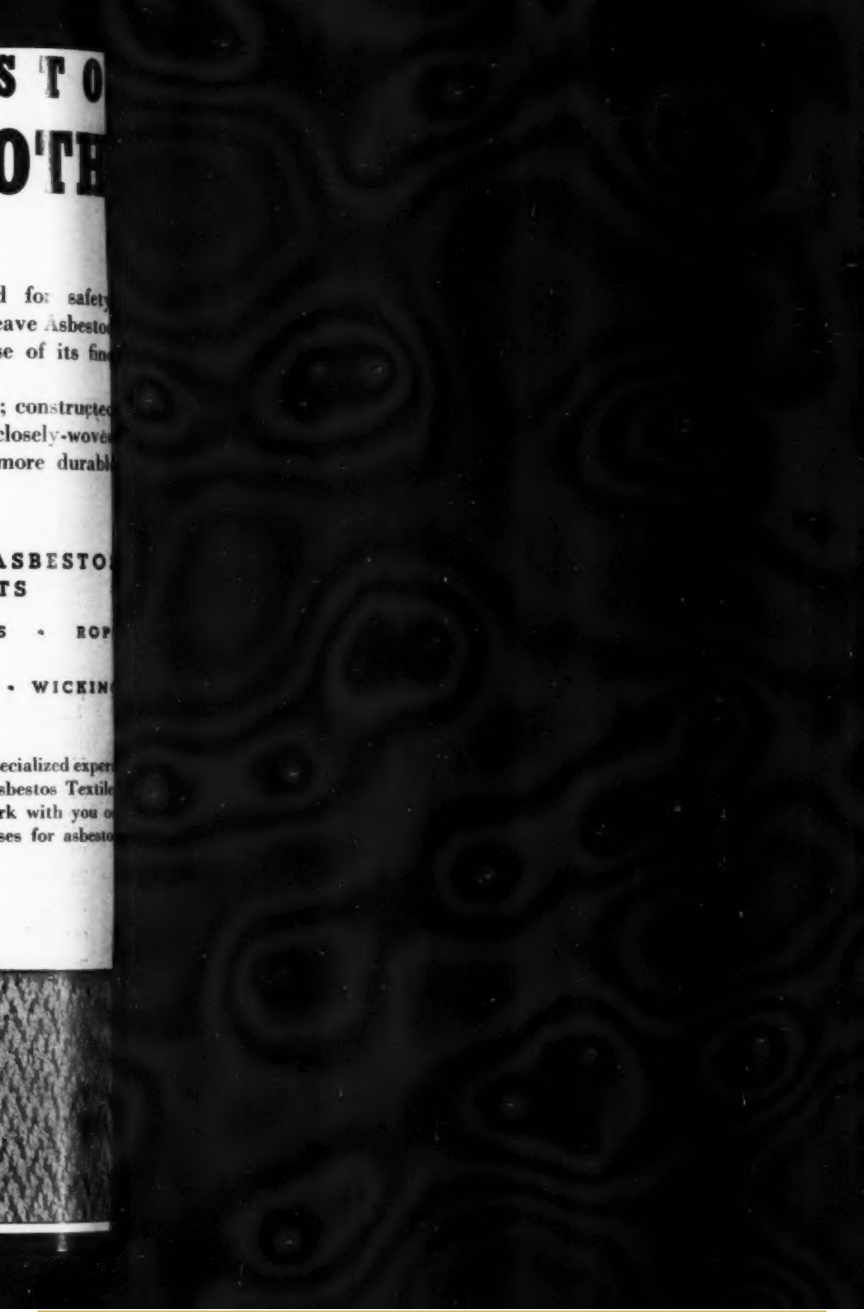
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