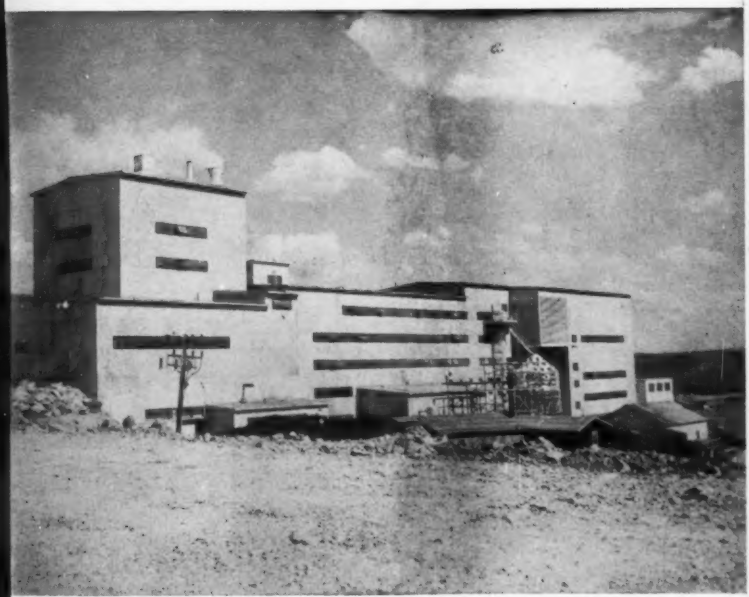
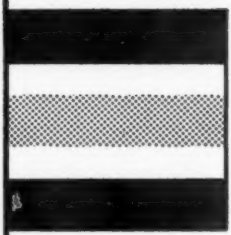
ASBESTOS



Asbestos Mill at the Newest Asbestos Mine
Munro Township, Ontario, Canada

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"ASBESTOS"

FOUNDED IN JULY 1919 AND PUBLISHED
MONTHLY SINCE THAT DATE
BY SECRETARIAL SERVICE
808 WESTERN SAVING FUND BLDG.
S. E. COR. BROAD & CHESTNUT STS.
PHILADELPHIA, 7, PENNSYLVANIA

Estate of C. J. STOVER, *Proprietor*

A. S. ROSSITER, *Editor* E. E. COX, *Circulation Manager*

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INQUIRIES - in General

While inquiries for information of one kind and another are not as plentiful in the summer (for which we are duly thankful) the average is generally sufficient to keep us busy along with vacations and various other activities incident to that season.

Inquiries can be divided into many classes, in fact it is really remarkable the number and kind of inquiries which our readers or even outsiders can dream up.

Roughly we class them as: easy to answer; those which can be turned over to some association or other agency which possesses the information; statistical or research which take some search into our records; technical which can generally be answered by certain men in the Asbestos Industry who are informed along certain lines, and — impossible!

In the first group, easy to answer, are inquiries for addresses of certain asbestos firms, the manufacturers of specific kinds of asbestos material. As examples of these there was one firm which wanted the names and addresses of users of asbestos fibres on the Pacific Coast; another who asked whether anybody in the United States made asbestos-cement electrical conduit except Johns-Manville; a third wanted the names and addresses of manufacturers of asbestos leg and foot guards, and the latest wanted the names of *distributors* of a certain type of asbestos cloth, evidently with the idea that it could be bought in small quantities jus as cotton or woolen goods is sold in a department store.

Under this head also comes a query for an estimate of what the consumption of asbestos fibres would be in 1950. Our answer to this one, based on present consumption and the predictions of those contributing their opinions as to the trend of the various markets for the rest of year, was that the consumption in 1950 would run about the same as last year or higher—long fibres at that time were not quite so much in demand but the uses

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and consumption of the shorter grades were constantly increasing.

In most cases our slogan is "The answer can always be found if you know where or how to obtain it" but we must confess that every once in a while we are completely at loss, and in those cases, which we shall tell you about later on, we label them "impossible".

PREVENTION OF FIRE

Fire Prevention Week this year will be held the week of October 8th to 14th, and as usual the National Fire Protection Association at 60 Batterymarch Street, Boston 10, Mass., has prepared posters, display cards, comic books, stickers, "Facts about Fire", and various other material, any or all of which will help you spread the gospel of Fire Prevention.

There is also a Fire Prevention Handbook which contains complete plans for a successful campaign.

Write them for a list of their various publications if you have not already done so, and don't delay as time is getting short.

Everyone in the Asbestos Industry is interested in fire prevention, and especially fire prevention by the use of asbestos products.

ODD FACTS ABOUT FIRE

The first known police regulations on fire were in Paris in 1371, when each householder was bidden to place a hogshead of water at his door.

In London in 1444 lightning caused a fire in St. Paul's Cathedral; water being scarce the fire was extinguished with vinegar. In 1744 a fire was extinguished in Chatham, England with beer.

. . . —

This is the only country where a man can jump into his car and drive to town to collect his unemployment insurance.

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VARIETIES AND USES OF ASBESTOS

By Oliver Bowles, Consultant in Geology and Mining

Asbestos is a name applied to a group of naturally fibrous minerals. There are several varieties differing greatly in composition and physical properties. Some varieties have fibres that are strong and flexible. Others are quite weak and brittle. They also vary considerably in resistance to heat and to chemical reaction.

Chrysotile Asbestos: The most important of them commercially is chrysotile, as represented by the well-known deposits of Quebec, Rhodesia, Soviet Russia, and, in the United States at Eden, Vermont. Chrysotile is a hydrous magnesium silicate, the chemical formula of which is commonly written $H_4Mg_3Si_2O_9$ or may be expressed as $3MgO.2SiO_2 2H_2O$. It is simply a fibrous form of the green mineral known as serpentine. Antigorite is a platy form of the same mineral that has no commercial value. The magnesium in chrysotile is sometimes replaced by small quantities of iron, manganese or aluminum. Such small replacements have little effect on the physical properties of the fibres. However, the properties of the fibres are sometimes influenced by the presence of impurities, such as calcite, but in general chrysotile is more constant and dependable in quality than are other varieties of asbestos. Chrysotile fibres are generally strong and flexible.

Composition of Amphibole Asbestos. The asbestos minerals classed as the amphiboles are the most variable and complex. In this group are a number of varieties differing in composition and physical properties. The situation is quite confusing because recent advances in the science of mineralogy have led to pronounced changes in the recognized composition and classification of the amphibole asbestos group of minerals. The most important change is the recognition that all the minerals of this group contain water of crystallization. All standard text books on mineralogy until recent years have given the composition of tremolite for example as $CaO.3MgO.4SiO_2$ and it has been called an anhydrous

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View of the 116 ft. high Headframe at the No. 1 shaft of the J-M mine at Asbestos, Quebec.

ASBESTOS FIBRE DIVISION
Canadian Johns-Manville Limited
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magnesium silicate. Investigators found in making their chemical analyses that water was always present but it was regarded as occluded moisture, or as dissolved water, the mineral being a sort of solid solution. However, as early as 1916 Dr. W. T. Schaller of the U. S. Geological Survey, using a series of exact analyses of tremolite proved conclusively by molecular ratios that water was an integral part of tremolite composition. He derived the formula $2CaO.5MgO.8SiO_2.H_2O$. This is now the recognized composition but for some strange reason it was not generally accepted for many years. In the mid-1920's, the X-ray study of natural minerals began, and it proved to be a useful tool for determining their crystal structure. The X-ray studies of tremolite corroborated Schaller's conclusions and it was found that water was an integral part of all amphibole minerals. It is only in text books written since about 1940 that we find the unqualified statement "all amphiboles contain hydroxyl" which is another way of saying "all amphiboles are hydrous silicates". However, the water content is only 1 or 2 per cent whereas in chrysotile it is 14 per cent.

Varieties of Amphibole Asbestos. The late Harry Berman of Harvard University published a review of the amphibole minerals in 1937, and his classification may be helpful in clarifying the composition and classification of the asbestos minerals. Many complexities arise because certain elements may be replaced by other elements. Berman divided the amphiboles into 4 major series as follows:

1. The anthophyllite series which may be expressed by the formula $Mg7(Si_4O_{11})_2\ (OH)_2$ or sometimes it is written $7MgO.8SiO_2.H_2O$. The magnesium may be replaced by iron to quite an extent. A high-iron type is the African variety named amosite. Small quantities of calcium may replace part of the magnesium, and aluminum may replace silicon in small quantities.

2. The cummingtonite series which has the same general formula as anthophyllite except that the iron content predominates. Cummingtonite is of rare occurrence.

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PIONEERS IN ASBESTOS

...for every purpose



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3. The tremolite-actinolite series for which the chemical formula is $Ca_2Mg_5(Si_4O_{11})_2(OH)_2$ or sometimes written $2CaO.\ 5MgO.8SiO_2.H_2O$. The calcium may be replaced by small quantities of sodium, and the magnesium by iron or aluminum. The latter element may also replace small quantities of the silicon.

4. The hornblende series which has the same general formula as the tremolite-actinolite series but is more complex because the calcium is replaceable by sodium potash, the magnesium by iron or manganese, and the silicon by aluminum in various proportions. Ten varieties of hornblende have been listed but the only one that is of interest as asbestos is riebeckite having a composition expressed by the formula $3Na_2O.6FeO.2Fe_2O_3.16SiO_2.H_2O$. When riebeckite occurs in fibrous form it is called crocidolite or blue asbestos.

Occurrence and Properties of Amphibole Asbestos: Anthophyllite occurs in many localities but the deposits are generally in the form of lenses or pockets of limited extent. The market is small and virtually none of the mineral enters international trade. The fibres are grey to white and sometimes quite long, but they are weak and brittle, altho resistant to chemical action. Amosite, an iron-rich variety, occurs commercially only in South Africa. The color is a yellowish grey shade, and the fibres are long and fairly strong. When fiberized it furnishes an unusually soft, fluffy mass.

Tremolite was first found in the Tremolo Valley in Italy, the locality that furnished its name. Like anthophyllite, it generally occurs in pockets or lenses of limited size. The fibres are usually gray or white and are silky. They are commonly weak and brittle, but fibres of considerable strength and flexibility are found at times. Like anthophyllite, they are notably resistant to chemical action.

Actinolite differs in composition from tremolite chiefly in the substitution of iron for a considerable part of the magnesium. It is generally greenish, and is splintery rather than fibrous. Altho it is widely disseminated in rocks, concentrations consisting chiefly of actinolite are

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Carey
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And Carey research is constantly working to make those products work better and to develop new products which will utilize the outstanding qualities of asbestos.

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Cincinnati 15, Ohio

In Canada: The Philip Carey Co., Ltd., 1557 MacKay Street, Montreal 25, P. Q.

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rare.

Crocidolite as mentioned previously falls in the hornblende series. The fibres have a characteristic blue color, are flexible and possess considerable strength. Chief production is in South Africa. It is mined also in Australia and Bolivia, but no commercial deposits are known in the United States.

Erratic Character of Amphibole Fibres. The replacement of one element by another in varying proportions is a prevalent characteristic of the several varieties of amphibole asbestos, and this variation in composition results in corresponding changes in their physical properties. These properties may also be influenced by the presence of impurities. The somewhat erratic and unpredictable physical characteristics of the amphibole fibres have a profound influence on their use. An anthophyllite from one locality may give satisfactory service for some specific use while one from another deposit, altho appearing to be exactly the same, may be quite unsatisfactory. Thus problems in amphibole asbestos procurement are much more difficult and complex than the procurement of mineral products like iron, or copper, which, when pure, have constant properties no matter in what part of the world they may originate.

Uses of Asbestos. The uses of chrysotile are so extensive and diversified that a book could be written on that subject alone. The principal uses in order of importance are (1) asbestos-cement products and other building materials, (2) friction materials such as automobile brake-band linings and (3) heat-insulating products. Aside from these three major applications there are multitudes of uses distributed among innumerable products and processes. As much has been written on the uses of chrysotile the discussion herein is directed primarily to the amphibole varieties.

The uses of anthophyllite are limited because of its lack of strength. It cannot be used in asbestos-cement products, such as roofing shingles, because a fibre of high tensile strength is required. However, because of its superior resistance to chemicals, the stronger fibres are

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useful in making chemical filters. Tremolite is also used for filters, and both varieties have other chemical laboratory applications such as stoppings in combustion tubes, for fireproof supports and protectors, and for wicks which, when saturated with various mineral salts will produce colored flames.

Considerable anthophyllite is used at times for welding-rod coatings. Arc-welding has attained tremendous importance, and employs large quantities of materials. It is essentially the effect of a sustained electric spark operation between two terminals or electrodes. The material to be welded forms one terminal, and a rod in a suitable holder the other. The temperature at the point of weld rises to about 6500°F., molten metal globules pass from the rod forming a pool of superheated metal which constitutes the weld. Coatings are really fluxes or reaction substances added to the outside of the rods. Their purpose is to combine with, or otherwise render harmless, those products of the welding operation that would hinder the process or impair the effectiveness of the weld. A great many products are used in welding-rod coatings. A typical coating consists of 55 parts rutile (natural titanium oxide) 12 parts ferro-manganese, 7 parts powdered cellulose, 10 parts clay and 10 parts asbestos. The remainder is chiefly sodium silicate which is added as a binder. Blue fibre is sometimes used as the asbestos constituent. It is said to decarbonize the weld metal, and lower the manganese content. Other types of asbestos are said to yield easy-flowing light slags when magnesium ferrous silicate is also added. Asbestos fibres or asbestos paper may be used in electrode wrappings. Sometimes the coatings are anchored with spiral windings of asbestos yarn. As a great many minerals or mineral products are used for coatings (over 50 have been listed) asbestos may or may not be employed, hence sales for this use are uncertain and spasmodic, and, at best, the tonnage so used is small.

The weak-fibred amphibole varieties are used in limited quantities for making plastic cements to cover boilers, pipes and furnaces, as fillers in rubber, battery boxes and molded products, and as admixtures in cement,

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plastic flooring, acoustical and other wall plasters and stucco. When compounded with oils or resins the suitability of various types and grades of asbestos may depend in part upon their oil absorption and bulk density.

Amosite, unlike the ordinary anthophyllites that are usually weak and brittle, consists of long and reasonably strong fibres. Amosite fiberizes readily into a light fluffy mass that is well-adapted for blanket insulation, particularly on steam turbines. It is a preferred fibre for making 85% Magnesia pipe covering.

An important use for crocidolite is for manufacture of asbestos-cement pipe in which the blue fibres furnish a strong binder. High-grade blue fibre has an important use in making gas-mask filters.

No large and sustained market has yet been developed for amphibole fibres other than amosite and blue. Sales never exceed a few hundred tons a year (677 tons in 1947). However, there is considerable interest in both anthophyllite and tremolite, and larger uses may develop in time.

EGYPTIAN FIRM WISHES TO DEVELOP ASBESTOS DEPOSIT

In World Trade News dated August 7th, published by the U. S. Department of Commerce, Field Office of Philadelphia, appears the following:

The Upper Egypt Mining Company, S.A.E., Cairo, Egypt (37 Kasrel Nile St.) which engages in asbestos mining operations has indicated that it would welcome the contribution and cooperation of any interested American firm in exploiting and developing an asbestos deposit of anthophyllite type. The deposit which is under lease by the Egyptian concern, is said to be a very extensive one, not merely an outcrop, and easy to work as it involves only open quarrying. The mine is located in Upper Egypt at Hafafit, 2000 feet above sea level, about 35 miles inland from Ras Samadai on the Red Sea, and about 500 miles south of Suez. Harbor conditions at the point of embarkation, tho under-developed, are said to be excellent, and a small pier is available. Haulage from the mine to the Red Sea would be by truck since there is no other means of transportation.

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Cond-O-Therm is effective for maintaining any preselected temperature in lines carrying ice cream, chemicals, paraffin, fruit juices, milk, beer, etc., etc. Cond-O-Therm companion lines can be preformed from tubing of copper, monel, stainless steel or any metal required for the process. They can be furnished in multiples so that the parent line can, if necessary, be entirely clustered to maintain extremely high or low temperatures.

The parent line can be of welded, sweated or flanged construction. One end of each length of companion line has a special extruded neck to provide a slip fit over the end of the next length, making it possible to silver solder or braze the joints in assembly. Complete systems, including insulation, are fabricated to order. Complete details may be obtained from Cond-O-Therm, 18 Littleton Ave., Newark, N. J.

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ALPINE MINING CORPORATION

The photographs below show the Asbestos Mill at Chateau Queyras, France, which is nearing completion.



View of conveyor from dryer to silo and conveyor to mill

View of dust chamber and mill



The full story of this French Mine owned and operated by the Alpine Mining Corporation of New York, was given in our April 1948 number.

Specialists on Asbestos Problems
WILLIAM B. MILLAR & ASSOCIATES
Industrial Mineral Consultants
EXPLORATION, MINE DEVELOPMENT AND MILLING
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MARKET CONDITIONS

GENERAL BUSINESS.

The Korean war has shattered hopes for international peace; it has increased military requirements almost overnight; it has caused "scare-buying" of many articles altho this has tapered off considerably. At the time demand for such things as houses, refrigerators, automobiles, television sets, has not abated.

Meanwhile strikes harass us on all sides, higher taxes are promised, and no doubt controls of one kind and another will sooner or later be instituted.

A brief paragraph taken from the National City Bank letter for August seems to sum up one side of the economic situation rather well; we quote: "If the Administration were willing to exert as determined pressure in promoting economy as it does in promoting higher taxes and certain others of its favored projects, something might be accomplished. And the taxpayer would bear his burden with better grace if his government were setting an example of frugal living".

ASBESTOS—RAW MATERIAL

So far as Canada is concerned the raw material situation finds demand keeping well ahead of production. The Railroad Strike in Canada has been settled and the workers returned to their jobs on August 31st, but it curtailed production for a week or two and now since the strike is over there is a box car shortage in Canada. During the strike a number of Canadian box cars were in the United States and could not return immediately, besides which there is a normal seasonal scarcity because cars have been sent to western Canada for the grain harvest.

ASBESTOS—MANUFACTURED GOODS.

Asbestos Textiles. The demand for practically all items exceeds present production capacity, a considerable backlog of orders is building up and there is every indication of a strong market. It is felt that the market will be in an oversold condition for a long time to come.

Brake Lining. This market is described as "steady" with demand keeping up to but not exceeding production

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ASBESTOS-CEMENT ASSOCIATES
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DRYCOR FELT COMPANY
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to any great extent. If no shortages of basic raw materials occur, 1950 production should run about 5 to 10% ahead of 1949.

Asbestos Paper. There is heavy demand for commercial paper and jobbers find it difficult to keep any stock ahead.

As to *Saturated Paper* demand is very strong because of the heavy building program and shortage of organic felt saturates. Fibre shortage caused by the Canadian Railroad strike may curtail production.

Asbestos Millboard. Demand for this commodity has recently increased. Equipment business as well as commercial millboard demand has increased and together make production fall behind orders. One manufacturer reports an 8 to 10 weeks backlog, and predicts that business at the present rate should continue for the balance of the year and most probably during the first quarter of 1951.

Insulation. High Pressure. The war situation has had an immediate effect on this market, increasing demand almost overnight. Maintenance work as well as new construction has increased requirements heavily; Government buying is not at the moment excessively active but it is quite likely that it soon will be. Backlog is reported by several manufacturers as 8 to 10 weeks.

Insulation. Low Pressure. Seasonal demand plus active building has stimulated this market and a backlog of orders is beginning to pile up.

Asbestos-Cement Products. Orders for shingles, both roofing and siding are reported as very heavy with large backlogs. The Canadian Railroad strike shut off fibre supply for a while and affected production. On the other hand there is every indication that heavy demand will continue for the next two months or as long as good weather lasts. Most manufacturers have put this commodity on an allotment basis.

While demand for corrugated and flat materials is not quite as high as shingles, a considerable backlog of orders is reported.

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Because of housing activity, demand for flue and house connection sewer pipe is high and the manufacturers report substantial backlogs and slow deliveries of all types of asbestos cement pipe in most areas.

These comments have been compiled from opinions sent us by various men in close contact with the markets in the various materials. Your comments are always welcome.

A.S.T.M. - New Committee on Atmospheric Pollution

A new technical Committee on Sampling and Analysis of Atmospheric Pollution has been authorized by the Board of Directors, and Dr. Louis C. McCabe, chief of Air and Stream Pollution, U. S. Bureau of Mines, an outstanding authority in this field has accepted the temporary chairmanship of the new committee.

The Asbestos Industry is indirectly interested in matters having to do with air pollution—see article on page 16 of July "ASBESTOS" under the title "The Air Filtering Industry".

. . . —

Many machines have been invented that can do the work of 100 ordinary men. What we need now is a machine which can do the work of just one extraordinary man.

. . . —

¶ We are informed that the Kay Asbestos Co., 2118 Madison St., Chester, Pa., makes and sells Lead Joint Runners. Some of our readers may be interested.



PIPE COVERING PROTECTORS

The "Royal" All Aluminum Adjustable and Permanent Protector for Pipe Covering-ends. Easy to Apply . . . Prompt Shipment.

THE PROTECTOR CO. • GRANT WILSON, INC.
SO. BOSTON 27, MASS. CHICAGO 4, ILL.

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ASBESTONE
CORPORATION

Manufacturers
Asbestos-Cement
Building Products

●

CORRUGATED SHEETS
FLAT SHEETS
ROOFING SHINGLES
SIDING SHINGLES

●

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

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PRODUCTION STATISTICS

Africa (S. Rhodesia)

(Published by Rhodesia Chamber of Mines)

Tons—2000 lbs.

Production for May 1950	6,808 tons
Valued at	£452,208

Bolivia[1]

Exports of asbestos from Bolivia during the first quarter of 1950 totaled, according to the July, 1950 issue of U. S. Mineral Trade Notes, 33,353 kilograms (36 short tons) compared with 41,654 kilograms (46 short tons) in the first quarter of 1949.

Canada

(Department of Mines, Province of Quebec)

Tons—2000 lbs.

Production June 1950	66,874 tons
Compared with June 1949	23,118 tons

By Grades:

	6 mos. ending June 30 1950	1949
Crude	434 tons	205 tons
Fibre	137,648 tons	49,075 tons
Shorts	252,749 tons	105,344 tons
	390,831 tons	154,624 tons

Cyprus

(From W. Perry James, A. C. S. M. Inspector of Mines)

	2nd Quarter 1950 April	May	June
	Tons—2000 lbs.		
Rock Mined	54,475	171,846	240,622
Rock Treated	9,630	44,484	71,907
Fibre Produced	73	1,489	2,446
Fibre Exported	2	2,025	2,817

Japan

According to the July 1950 issue of U. S. Mineral Trade Notes[1], the production of asbestos in Japan was: *(Short tons)*[2].

	1947	1948	1949
Chrysotile	4,076	5,059	5,740
Amphibole	607	241	273

[1] Published by the U. S. Department of the Interior, Bureau of Mines.
[2] Converted to short tons from kilograms.

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INDUSTRIAL SERVICE COMPANY

Builders of

ASBESTOS CEMENT MACHINERY

Our experienced engineers and machinists offer the industry entire machines built to deliver maximum production.

Your Inquiries Are Invited

1-51 Paterson Avenue E. Rutherford, N. J.

ASBESTON®

U. S. ROYAL FABRICS • TAPES

Light weight • High strength • Low gauge

Textile Division

UNITED STATES RUBBER COMPANY

1230 Avenue of the Americas, New York 20, N. Y.



TEST

. . . the added sales volume awaiting you among the nation's roofing and siding contractors. Write to . . .

AMERICAN ROOFER and SIDING CONTRACTOR

425 Fourth Avenue, New York City

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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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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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Imports into U. S. A.
(Figures by Bureau of Census)
Unmanufactured Asbestos—By Countries

	May 1950 Tons (2240 lbs.)
From Canada	47,026
S. Rhodesia	1,051
Union of S. Africa	1,037
Italy	1
Australia	23
	49,138
Valued at	*$3,652,369*

By Grades:

Crude No. 1, Chrysotile, S. Rhodesia	183
Crude No. 2, Chrysotile, S. Rhodesia	120
Crude, other, Chrysotile, Canada	4
Crude, other, Chrysotile, S. Rhodesia	748
Crude, other, Italy	1
Crude, Blue, Union of S. Africa	268
Crude, Blue, Australia	23
Crude, Amosite, Union of S. Africa	769
Textile Fibres, Chrysotile, Canada	2,335
Shingle Fibres, Chrysotile, Canada	5,399
Paper Fibres, Chrysotile	5,024
Other Fibres, Chrysotile	34,264
	49,138

Manufactured Asbestos Goods:

	April 1950 Quantity (Lbs.)	Value
Asbestos Yarn		
United Kingdom	9,076	$ 5,650
Asbestos Packing—Not Fabric		
United Kingdom	4,557	2,489
Asbestos Brake Lining (Molded)		
Canada	271	127
Asbestos-Cement Products—Impregnated		
Canada	810	100
Asbestos Manufactures—Other		
Canada	..	29,162
United Kingdom	..	29,703
	14,714	$67,237

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TURNER & NEWALL LTD

RAW ASBESTOS DEPARTMENT

FOR CANADIAN, RHODESIAN
AND SOUTH AFRICAN ASBESTOS

ASBESTOS HOUSE · 77-79 FOUNTAIN ST. · MANCHESTER 2
ENGLAND

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Exports from U. S. A.

(Figures by Bureau of Census)

Unmanufactured Asbestos:

	May 1950 Tons (2240 lbs.)	Value
To United Kingdom		
S. America	89	$ 15,500
Central America & Mexico	27	4,374
Europe	1,415	309,908
Other Countries	308	85,056
	1,839	$414,838

Manufactured Asbestos Goods:

		Quantity	Value
Asbestos Pipe Covg. & Cement	Lbs.	111,645	$ 11,282
Asbestos Textiles and Yarn	Lbs.	45,046	29,750
Asbestos Packing	Lbs.	125,375	106,275
Asbestos Brake Lng. (Mld.&S-Mld.)	Lbs.	291,388	203,103
Asbestos Brake Lng. (Woven)	L. Ft.	44,290	23,669
Asbestos Clutch Facings	No.	70,455	44,380
Asbestos Brake Blocks	Lbs.	30,601	29,999
Asbestos Construction Materials	Lbs.	2,608,797	148,197
Asbestos Manufactures—Other			14,601
			$611,256

Imports of Asbestos by United Kingdom

Raw Material

	July 1950 Tons (2240 lbs.)
From Union of S. Africa	1,294
Southern Rhodesia	3,633
Bechuanaland, Basutoland and Swaziland	501
Canada	2,479
Other Commonwealth Countries and the Irish Republic	1,385
Foreign Countries	641
	9,933

Of the imports in July 5,859 was chrysotile; 4,084 other kinds. Tabulation supplied by Mining Journal Ltd. of London.

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MUNDET CORK CORPORATION

Insulation Division, 7101 Tonnelle Ave., North Bergen, N. J.

ATLANTA: 339-41 Elizabeth Street, N.E.
BOSTON: 57 Regent St., North Cambridge 40
CHARLOTTE, N. C.: 507 S. Cedar St.
CHICAGO 18: 5001 Cottage Grove Avenue
CINCINNATI 2: 427 West 4th Street
DALLAS 1: 501 Second Avenue
DETROIT 21: 14401 Prairie Street

Mundet district offices are located in these cities:

HOUSTON 1: Commerce and Palmer Streets
INDIANAPOLIS: 13 E. Washington Street
JACKSONVILLE 6, FLA.: 200 E. Bay Street
KANSAS CITY 7, MO.: 1428 St. Louis Avenue

LOS ANGELES (Maywood): 6116 Walker Ave.
NEW ORLEANS 16: 315-23 N. Front Street
PHILADELPHIA 39: 856 N. 40th Street
ST. LOUIS 9: 3176 Brannon Ave.
SAN FRANCISCO 7: 440 Brannan Street
In Canada: Mundet Cork & Insulation, Ltd. 33 Booth Avenue, Toronto

Write us for name of our nearest representative if there is no Mundet office in your city.

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Exports From Canada

(Published by Dominion Bureau of Statistics)

Unmanufactured Asbestos:

	June 1950 Tons (2000 lbs.)	Value
Crude		
United States	68	$ 46,866
United Kingdom	..	..
South America	..	..
Central America & Mexico	..	..
European Countries	45	34,018
Other Countries	..	..
	113	$ 80,884
Milled		
United States	14,965	$1,953,011
United Kingdom	2,862	395,758
South America	1,890	287,413
Central America & Mexico	780	109,057
European Countries	4,105	580,819
Other Countries	372	47,230
	24,974	$3,373,288
Shorts		
United States	40,625	$1,679,260
United Kingdom	2,177	77,192
South America	130	8,437
Central America & Mexico	165	10,525
European Countries	1,760	109,387
Other Countries	153	10,117
	45,010	$1,894,918
Grand Total—Unmanufactured Asbestos	*70,097*	*$5,349,090*
Manufactured Asbestos Goods:		
Brake Lining		$ 40,669
Packing		..
Other Materials		8,192
		$ 48,861

W. E. SINCLAIR, M.I.M.M.
Consulting Mining Engineer
Specializing in asbestos production in
South and East Africa
P. O. BOX 1183, JOHANNESBURG, S. A.

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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.
117 Martense Street,
Brooklyn 26, New York

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

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AUSTRALIA - Asbestos Statistics

(Published by Bureau of Mineral Resources, Geology and Geophysics, Department of Supply and Development, Melbourne Victoria, Australia)

All tons—2240 lbs.

	Year 1949
Production	
Chrysotile	141 tons valued at £A 8,50[illegible]
Crocidolite	1,173 tons valued at £A117,28[illegible]
Imports	
Chrysotile	5,460 tons valued at £A306,37[illegible]
Crocidolite	466 tons valued at £A 42,60[illegible]
Amosite	4,676 tons valued at £A192,65[illegible]
Other	3,056 tons valued at £A133,73[illegible]
	13,658 tons valued at £A675,36[illegible]
Exports	
	229 tons valued at £A 22,84[illegible]

For comparison with previous years, see March 195[illegible] "ASBESTOS", page 36.

BUILDING

Construction contract awards in the 37 states east of the Rockies in July set an all-time monthly record with a $1,420,181,000 total which was 5 per cent higher than the previous all-time monthly record of $1,350,496,000 set in April of this year, according to F. W. Dodge Corporation.

The July total was 6 per cent higher than June's $1,345,463,000 figure, and 51 per cent greater than the July 1949 total.

For the first seven months of 1950 construction contract awards totaled $8,274,329,000 which was 53 per cent greater than the corresponding figure for 1949. The total of square feet of floor area for the first seven months of 1950 was 753,757,000, an increase of 69 per cent over the comparable figure for last year.

Residential awards in July totaled $675,080,000, an increase of 7 per cent over the June figure and an increase of 98 per cent over the corresponding figure for 1949.

Non-residential awards in July were $487,115,000, up 10 per cent over the June total and 39 per cent ahead of July 1949.

Public and private works and utilities totalled $257,986,000, a decrease of 6 per cent from June's total, but an increase of 2 per cent over July 1949.

QUALITY CONTROL MAN

For Asbestos-Cement plant required. Previous experience similar industry preferred. Reply with full details. Box No. 9 S-N "Asbestos", 808 Western Saving Fund Bldg., Phila 7, Pa.

SMITH & KANZLER CO.

Manufacturers of

ASBESTOS PAPER

Pipe Covering & Blocks

Air Cell

Wool Felt

Anti Sweat

Anti Freeze

Sponge Felt

Multi Ply

Established 1920

East Linden Ave., Linden, N.J.

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NEWS OF THE INDUSTRY

BIRTHDAYS

W. N. Bolster, President and Treasurer, General Insulation Co., Cambridge, Mass., September 20.

W. C. Dodge, Jr., Advertising Manager, Keasbey & Mattison Co., Ambler, Pa., September 21.

C. Stanley Morgan, Detroit, Mich., September 25.

R. H. Temple, Secretary-Treasurer, Thermoid Co., Trenton, N. J., September 25.

E. R. Teubner, Jr., President and Treasurer, Philadelphia Asbestos Co., Philadelphia, Pa., September 26.

O. H. Cilley, Vice President, U. S. Asbestos Division, Raybestos-Manhattan, Inc., Manheim, Pa., September 27.

Harold R. Berlin, Vice President, Johns-Manville Sales Corp., New York City, September 28.

W. H. Fehrs, Vice President, Union Asbestos & Rubber Co., Cicero, Ill., September 28.

J. M. High, The Ruberoid Co., New York City, N. Y., September 28.

William B. Brown, Partner, The Insulation Co., Hartford, Conn., September 29.

Frank L. Sowka, Treasurer, Standard Asbestos Mfg. Co., Chicago, Ill., October 1.

George Courtauld, Director, The Cape Asbestos Co., Ltd., London, England, October 2.

W. W. Dunkin, Treasurer, Southern Friction Materials Co., Charlotte, N. C., October 5.

C. L. Moorman, Vice President, Union Asbestos & Rubber Co., Chicago, Ill., October 6.

Harry E. Smith, Vice President, Raybestos-Manhattan, Inc., Passaic, N. J., October 8.

Russell E. Crawford, Secretary, Ehret Magnesia Mfg. Co., Valley Forge, Pa., October 9.

John H. Victor, President, Victor Mfg. & Gasket Co., Chicago, Ill., October 9.

A. L. Penhale, President and Managing Director, Thetford Mines, P. Q., Canada, October 11.

H. R. Barrett, Vice President and Controller, Philip Carey Mfg. Co., Lockland, Cincinnati, Ohio, October 13.

W. W. F. Shepherd, Chairman of Board, Keasbey & Mattison Co., Ambler, Pa., October 13.

W. M. Paxton, Sales Manager Packing Department, Raybestos Division, Raybestos-Manhattan, Inc., Bridgeport, Conn., October 14.

Thomas D. Stone, President, Stone Industrial Equipment Co., Springfield, Mass., October 14.

David E. Kelley, President, Kelley Asbestos Products Co., Kansas City, Mo., October 16.

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Wm. F. Reed, President & Treasurer, Asbestos Distributors, Inc., Port Chester, N. Y., October 17.

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

FLINTKOTE APPOINTS McANENY
Director of Advertising



Harold D. McAneny

Harold D. McAneny was appointed Director of Advertising of the Flintkote Company, effective August 1, 1950.

Prior to joining Flintkote, Mr. McAneny was Advertising Manager of The Richmond Radiator Company, an affiliate of Reynolds Metals. Mr. McAneny was formerly connected with The Morris F. Swaney and Henry A. Louden Advertising Agencies as an Account Executive. Before the war, during which he served in the Army, he was with The Kudnar Advertising Agency.

NEIL MACLEOD, SR., PASSES AWAY

August 14th marked the passing from this life of Neil MacLeod, Sr., formerly plant superintendent of Cape Asbestos Company, Limited, Prieska, C. P., South Africa.

He had been connected with Cape Asbestos Co. for 45 years. A colleague and friend describes "Mac" as he was known, as possessing among many outstanding characteristics, an unselfish and generous nature towards his fellow man and a deeply conscientious regard for his work.

Mr. MacLeod retired from active service about eighteen months ago.

TEEGANA MINES, LTD.

According to U. S. Mineral Trade Notes, July 1950 issue, Teegana Mines Limited, which is working ground in Delora Township, Ontario, 9 miles from South Porcupine, has installed a compressor house, office, steel shop and cobbing shed on its claim. This is said to be the same claim developed by the Slade-Forbes interests during World War I.

RAYBESTOS-MANHATTAN
Semi-Annual Report

Report for six months ended June 30, shows earnings per share of $2.46, compared with $1.32 in 1949, net profit in 1950 being $1,545,952, compared with $830,849 in 1949. Profit before taxes in 1950 was $2,829,952 and in 1949 was $1,482,849.

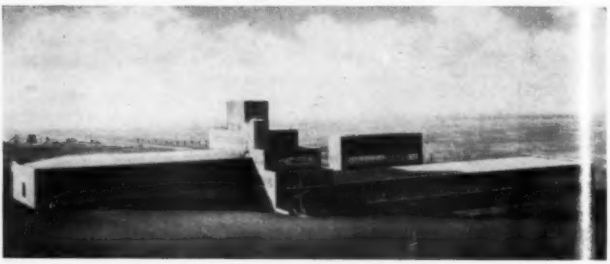
UNION ASBESTOS & RUBBER CO.

Report for half year 1950 shows a net profit of $135,996, or 29¢ per share on net sales of $3,735,704, compared with $594,017, or $1.20 per share on sales of $5,387,034 in 1949.

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MUNDET MAGNESIA PLANT AT NORTH BERGEN NOW OPERATING

The Mundet Cork Corporation is manufacturing custom molded 85% Magnesia Pipe Covering and Block Insulation in this modern plant in North Bergen, N. J. Located on recently



Mundet Cork Plant at North Bergen, N. J.

acquired property on Tonnelle Avenue, 71st to 74th Streets, the new Mundet Magnesia Plant has the latest improvements in automatic equipment.

Building units are integrated to permit manufacturing efficiency and all operations are streamlined and precision controlled. With the addition of these facilities, Mundet now manufactures both high and low temperature insulation covering, all ranges.

HERBERT N. DAWES
Death Takes A Veteran Insulation Contractor.

Herbert N. Dawes passed away on August 14th, at the age of 78; 48 of those years he was associated with the Asbestos Industry.

Mr. Dawes was born in Hudson, Mass. in 1872; he graduated from Massachusetts Institute of Technology in 1893. In 1902 he joined the firm of Nightingale and Childs, insulation contractors located in Boston, and upon its incorporation was made vice president, later became Treasurer, and in 1919, upon the death of Mr. Childs, became President and Treasurer.

From 1927 to 1932 he was President of the Investment Trust Securities Corporation, and in 1934 joined the Ehret Magnesia Manufacturing Company as consultant engineer for their New England District, in which capacity he served until his death.

DR. BOWLES AGAIN WITH BUREAU OF MINES

Dr. Oliver Bowles is again connected with the U. S. Bureau of Mines, now working with them in a consulting capacity in connection with special asbestos problems.

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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**
114-116 Park Street, London, W. 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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SAMUEL A. WILLIAMS DIES
Formerly Vice President Johns-Manville

Samuel A. Williams, who retired because of ill health on October 1, 1946 as a senior Vice President of Johns-Manville Corporation, died on August 13th at the Nashua Memorial Hospital. He was 67 years old. He was stricken with an asthmatic attack early that day, at his home "Summerside Farm" near Hollis, N. H.

Mr. Williams was a native of Canada, and came to the United States from Prince Edward Island in May 1903. A month later he went to work in the old Brooklyn Plant of the H. W. Johns-Manville Company as a laborer at 15c an hour, the prevailing wage at that time. An employment agency charged him $5.00 for locating the job.

When he retired in 1946 he had risen to become President of Johns-Manville Products Corporation and to direct the operations of 17 plants and mines in the United States and Canada.

During World War II Mr. Williams served as President of the J-M Service Corporation, a subsidiary formed at the request of the United States Government to build and operate the Kansas Ordnance Plant near Parsons, Kansas.

Previously he had held various positions of trust and service, mostly having to do with production of Johns-Manville materials, at Lockport, N. Y., Riverdale, Ill., Waukegan, Ill., Nashua, N. H., at one time was production manager for all the plants; in 1929 being made Vice President in charge of factories and mines.

ASBESTOS ENGINEERS IN EQUADOR

William B. Millar, Mining Geologist, and John S. Carlson, Mining and Industrial Engineer, representing Clyde H. Shoemaker Associates, Consulting Mineral Engineers, New York, report a happy landing after examining industrial mineral deposits in Equador; Fibre Engineering & Machinery Company are manufacturing consultants for this Pan-American project.

W. E. SINCLAIR ESTABLISHES OFFICE IN JOHANNESBURG

W. E. Sinclair, M. I. M. M., formerly General Manager of Cape Blue Mines, Limited, has established a consulting mining office in Johannesburg, S. A., specializing in asbestos. His permanent address after September 30th will be P. O. Box 1183, Johannesburg. (See advertisement on page 32).

Mr. Sinclair has toured the mining areas in East Africa, and his account of several asbestos deposits in that section will be published in an article soon to appear in "ASBESTOS."

JOHNS-MANVILLE REPRESENTED AT CHICAGO FAIR OF 1950

"The Avenue of Homes" at the Chicago Fair of 1950 is sponsored by various building material associations, home magazines, etc. There are eight homes of contemporary or futuristic design, and Johns-Manville has both Asphalt Thick-Butt Shingles and American Colonial asbestos-cement shingles on various of the exhibit-home roofs.

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KINLOCH ASBESTOS

(PROPRIETARY) LIMITED

THE LARGEST EXPORTERS OF CHRYSOTILE
MINED IN THE UNION OF SOUTH AFRICA

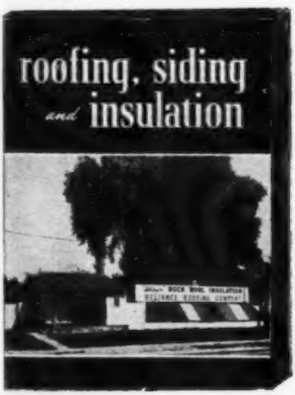
FROM

Stoltzburg, Barberton Chrysotile

and Other Smaller Mines

LOVEDAY HOUSE
98, MARSHALL STREET
JOHANNESBURG

CABLES:
"CHRYSOTILE"
JOHANNESBURG



45 W. 45th St.

....SURE WAY....

of selling the nation's roofing, siding and insulation contractors!

CANTOR
PUBLISHING CO.
New York 19, N. Y.

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NATIONAL SUPPLY CO.
Distributors For Raybestos-Manhattan

Appointment of the California Division of National Supply Company as distributors of Raybestos-Manhattan rubber and asbestos products for the California oil fields has just been announced. This will now provide world-wide distributors of R-M oil field products.

Raybestos-Manhattan products include rotary drilling and other types of oil well hose, rubber belting, friction material for drawworks, mechanical packings and other rubber and asbestos products.

The distributorship will be handled by the West Coast Division offices of R-M located in San Francisco in charge of Littleton C. Barkley, West Coast Division Sales Manager, with Schuyler V. V. Hoffman in charge of the Los Angeles Office covering Southern California.

PABCO DECLARES DIVIDENDS

At a meeting of the Board of Directors of The Paraffine Companies, Inc., held August 25th, the following dividends were declared: Regular quarterly dividend of $1.00 per share on the 4% Cumulative Convertible Preferred Stock to stockholders of record October 2, 1950, payable October 14; dividend of 15c per share on the Common Capital Stock to stockholders of record September 8, 1950; payable September 27th.

RAYBESTOS-MANHATTAN
Installs New Test Unit

Stopping and starting qualities of brake linings, blocks and clutch facings can be measured to an extent unobtainable on any similar type of equipment by a new inertia-type, heavy duty dynamometer which was recently installed by Raybestos-Manhattan at their Passaic, N. J. plant.

The machine, largest in the world of its type, will test materials used in stopping all types of automotive vehicles, railroad trains, airplanes and off-the-highway equipment. It is especially valuable because of its ability to handle all types of full-size brake assemblies, even those that might be used in the foreseeable future. Separate equipment was previously required for railroad and automotive testing.

RAYBESTOS-MANHATTAN
To Join Nine others in Operating Synthetic Rubber Plant

Ten rubber companies outside the tire division of the rubber industry have jointly set up a new corporation, the Kentucky Synthetic Rubber Corporation, to reactivate and operate the government-owned $7,000,000 plant in Louisville, Ky. John H. Matthews, Vice President of Raybestos-Manhattan, is a director in the new corporation.

The plant, with a rated annual capacity of 30,000 tons of rubber of the butadiene-styrene type, is scheduled to begin operations January 1, 1951. It is the second synthetic plant ordered out of mothballs since the Korean crises and may be the first to get into operation.

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CAREY—Declares Dividends

The Board of Directors of the Philip Carey Mfg. Co., at its regular quarterly meeting held August 30, declared quarterly dividends of 40c per share on their common stock and $1.25 per share on 5% preferred stock, both payable September 30 to holders of stock of record of September 13th.

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. 25 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 textile for cotton content. 10c per copy.

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

Brake Linings of Various Types, By R. T. Halstead. Reprint (12 pages) from August, September and October 1949 "ASBESTOS". Price 25c per copy.

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

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. 75c per single copy postpaid. Discount in quantities of 6 or more, postage billed. Note *increase* in price.

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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 of Embossing Structural Panels. No. 2,516,254. Granted on July 25, 1950, to John W. Plauka, Plainfield, N. J., and Henry D. Tucker, Union, N. J. Assignors to Johns-Manville. Application June 6, 1947. Serial No. 753,000.

Machine for Preparing Fibrous Material for Pneumatic Conveyance and Discharge. No. 2,517,903. Granted on August 8, 1950, to George W. Luhrmann, Cedar Brook, N. J. Application March 15, 1948. Serial No. 13,248.

Molding Apparatus. No. 2,517,001. Granted on August 1, 1950 to Rubin Lewon, Berkeley, and George P. Lechich, Menlo Park, Cal. Assignors to Paraffine Companies, Inc., San Francisco, Cal. Application October 31, 1947. Serial No. 783,408.

Measuring the Thickness of Semi-Opaque Material. No. 2,517,330. Granted on August 1, 1950 to Pete E. Marenholtz, Somerville, N. J. Assignor to Johns-Manville. Application September 7, 1949. Serial No. 114,408.

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B

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THE TWELVE ESTIMATING TABLES

Our book list (see page 44) 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, and very likely many would like to know exactly what the tables cover, and order the set to help you figure the fall work. 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 Sq. 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.

AUTOMOBILE SALES

Automobile sales during July 1950 were

Passenger Cars	595,067
Motor Trucks	111,208
Motor Coaches	397
	706,672

Total sales for July 1949 were 579,048.

For the first seven months of 1950, the total was 4,456,98[illegible], while in the same period of 1949, 3,573,332 motor vehicles were sold. Of the 4,456,985 in 1950, 4,295,376 went in the domestic market, 161,609 to the foreign market.

These figures are supplied by the Automobile Manufacturers Association, New Center Building, Detroit 2, Mich.

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AFTERTHOUGHTS

¶ Perhaps there is someone among our readers who is capable of, and would enjoy writing an article as to the distinctive uses of various "blended" cloths. We refer particularly to asbestos-nylon, asbestos-rayon, asbestos fiberglas, etc. Write us for further particulars.

¶ It is gratifying to us to know that executives in the Industry take an interest in our Market Conditions page, as witness several letters received recently. The more information we receive as to the bearing had by current events on the asbestos market, the better service we can give.

¶ A.S.T.M. Committee C-16 on Thermal Insulating Materials, will meet at Asbury Park, N. J., October 23rd to 25th inclusive, 1950.

¶ The article by Dr. Bowles (page 4) "Varieties and Uses of Asbestos" will no doubt put a lot of our readers straight as to the different kinds of asbestos, especially the types most used commercially. Many times we receive samples of "asbestos" and it is hard to make the senders believe that they are of little if any value.

¶ The nation's first research laboratory, that of the General Electric Company will celebrate its 50th anniversary during the week of October 9th, with the formal dedication of its new home near Schenectady, N. Y. The laboratory was started in a barn behind the home of Dr. Charles P. Steinmetz, by Dr. Willis R. Whitney. The new laboratory consists of five buildings (plus a few minor service buildings) with a usable area of 185,000 square feet. The laboratory's two-man force of 1900 has now grown to 850.

¶ "Insulation: Where and How Much" has recently been issued by the Housing and Home Finance Agency. Copies may be obtained for 10c in coin, from the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C. The pamphlet, consisting of 10 pages and cover, treats of what we generally designate as "Home Insulation" as differentiated from insulation of pipes and boilers.

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CURRENT RANGE OF PRICE

As of September 10, 1950

Canada—	Per Ton (2000 lbs.) f.o.b. Mine	
Group No. 1 (Crude No. 1)	$960.00 to	$1,05 .00
Group No. 2 Crude No. 2; Crude Run-of-Mine and Sundry	400.00 to	55 .00
Group No. 3 (Spinning Fibre)	232.00 to	42 .00
Group No. 4 (Shingle Fibre)	95.50 to	14 .00
Group No. 5 (Paper Fibre)	78.50 to	8 .00
Group No. 6 (Waste, Stucco or Plaster)		5 .00
Group No. 7 (Refuse or Shorts)	28.00 to	5 .00

Vermont—	Per Ton of 2000 lbs. f.o.b Hyde Park or Morrisville, Vt.	
Group No. 4 (Shingle Fibre)	$111.50 to	$12 .00
Group No. 5 (Paper Fibre)	79.00 to	9 .50
Group No. 6 (Waste, Stucco or Plaster)		5 .00
Group No. 7 (Refuse or Shorts)	28.50 to	5 .50

ASBESTOS STOCK QUOTATIONS

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

		August 1950		
	Par	Low	High	Last
Amer. Br. Shoe (Com.)	np	36	38⅞	3 ¾
Amer. Br. Shoe (Pfd.)	100	104	110	10
Armstrong Cork (Com.)	np	41⅝	45	4 ½
Armstrong Cork (Pfd.)	np	101¼	102¼	10 ¼
Armstrong Cork (Conv. Pfd.)	np	108½	113	11
Asb. Corp. (Com.)	np	29	34¼	3 ⅛
Asb. Mfg. Co. (Com.)	1	1	1¼	1¼
Carey (Com.)	10	14¾	17	1 ⅞
Celotex (Com.)	np	14½	16⅛	1 ¾
Celotex (Pfd.)	20	16	16⅝	1 ⅜
Certainteed (Com.)	1	12⅞	16⅞	1 ⅛
Flintkote (Com.)	np	24⅝	27¼	2 ⅜
Flintkote (Pfd.)	np	106¼	109	10
Johns-Manville (Com.)	np	39¼	42¾	4 ½
Paraffine (Com.)	np	13⅞	15¾	1 ½
Paraffine (Pfd.)	100	98	100	9 ½
Ray-Man (Com.)	np	30½	33¼	3 ¾
Ruberoid (Com.)	np	46½	50½	5
Thermoid (Com.)	1	6⅜	8⅛	⅞
Thermoid (Pfd.)	50	39½	41½	4
Union Asbestos & Rub. (Com.)	5	11¾	12¾	1 ⅛
United Asb. (Com.)	1	41c	47c	4 c
U. S. Gypsum (Com.)	20	95½	108½	10
U. S. Gypsum (Pfd.)	100	183	187	18 ½
U. S. Rubber (Com.)	10	44¼	47⅜	4 ½
U. S. Rubber (Pfd.)	100	137¼	142½	13 ¾

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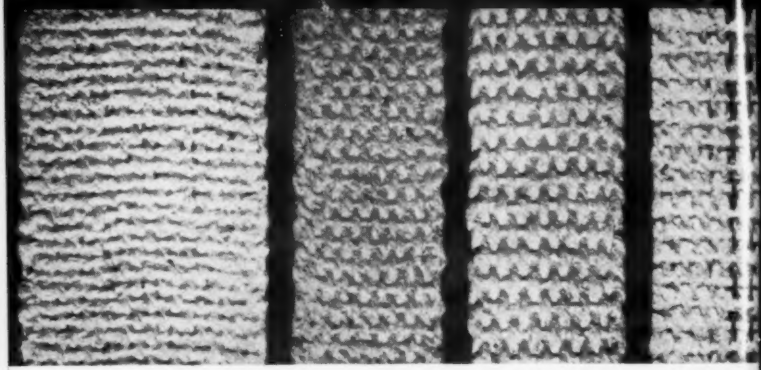
Write for details of the complete Ehret line. It includes practically every type of heat and cold insulation, and asbestos products.

EHRET MAGNESIA MANUFACTURING COMPANY

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