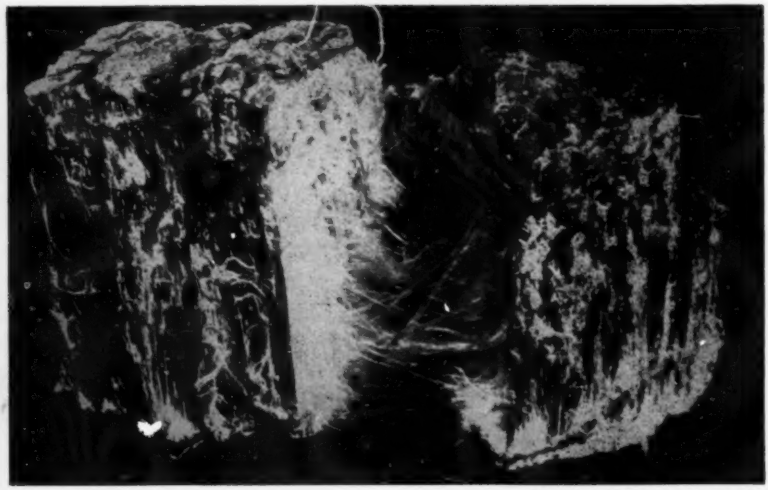
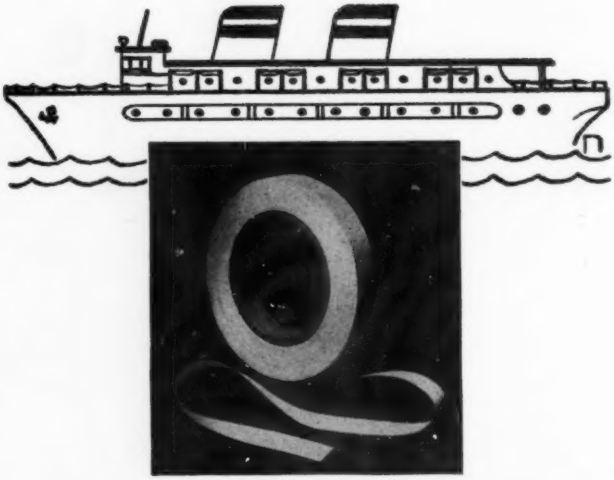
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CHRYSOTILE ASBESTOS IN SERPENTINIZED SEDIMENTARY DEPOSITS

By W. E. Sinclair, M.I.M.M.

Interest is shown in this class of chrysotile because of its superior quality, low iron content and good fibre length.

In the light of past experience, a forecast of the future requirements of chrysotile is a somewhat hazardous business, especially in view of the unsettled state of world affairs today. However, despite all the political upheavals, there is a general feeling of greater stability in the asbestos field. This is inspired mainly by confidence in industry generally, and, as is well known, asbestos, quite apart from its own important position in industry, takes a major part as an essential commodity in the manufacture of many worldly materials today, both in peace and war.

In all the multifarious spheres of application, one grade of chrysotile fills a most important need, and that is, the long crude spinning grades, essential fibres in the textile industry. Long fibre of suitable quality for utilization in this wide sphere is not over plentiful, a condition more acutely evident in the growing dearth of *iron free* spinning fibre.

This is where the chrysotile fibres from serpentinized sedimentary occurrences stand out predominately as a class of asbestos that most often meets all the requirements of the textile industry, and particularly where woven fibres are used in the fabrication of specialized products, such as electrical insulations.

This, indeed, not only applies to long fibre applications, because, in all asbestos electrical insulations, whether made from woven products or otherwise, fibre having a low iron content is an indispensable need. Even in war conditions, this property is essential, as was stressed, in the U.S.A. war specifications, that called for Class 2 chrysotile asbestos containing not more than 1.75 per cent, total iron and not more than 0.75 per cent magnetic iron. This is the vital point.

It is not often that chrysotile derived from the more

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common serpentine class of deposit satisfies these requirements. Most of the Southern Rhodesian and some of the Russian asbestos is fairly low in magnetic iron, but the available tonnage from these sources is relatively small in terms of the growing demand by manufacturers to meet the needs of the expanding electrical industry. The bulk of the world's chrysotile production fails to satisfy the requirements of the iron-free specifications.

Concern as to the future resources of this essential raw material has led to a great deal of work aimed at removing magnetite from the usual and more common chrysotile fibres. This, in many cases, is successfully achieved in the treatment of short fibres, within certain limits. The process consists simply of heating and agitating the asbestos in water to permit of separation and extraction of the iron. The fibre recovered is then blended in different ways with some suitable binding material to make various iron-free insulation such as asbestos tape or paper. Other methods of iron extraction and beneficiation are being developed, but whether such processes will ever be successful in recovering spinning fibre, with a low enough iron content, has yet to be proved.

Meantime industry must look to chrysotile from sedimentary deposits to supply fibres posessing all the natural properties necessary for these specialized end uses.

As already stated, the low iron content is the principal feature of this class of fibre, a point that is clearly shown in the following representative analyses:

	ARIZONA U. S. A.	CAROLINA South Africa
SiO_2	41.56%	41.90%
Al_2O_3	1.27	Nil
Fe_2O_3	———	Nil
FeO	0.64	Nil
CaO	———	0.50
MgO	42.05	36.30
Na_2O	———	2.71
H_2O	14.31	18.00
	99.83	99.41

Incidentally, these figures are typical of the chemical

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compositions of this class of asbestos from many other localities.

By comparison with the chemical make up and iron content of the more common class of chrysotile, which is frequently high in iron, it is not surprising that the question is often voiced as to the reason for the marked difference in the two types of chrysotile. The explanation is simply that the iron in most asbestos is initially derived from the original country rocks in which it occurs.

Normal chrysotile is usually found in those serpentines which have been emplaced as ultrabasic intrusives into other rock systems, (such as dunites, norites, etc.) with the resultant metamorphism. Examples of these are the the main chrysotile deposits in Canada, Southern Rhodesia and South Africa and so on. That the asbestos contained in these serpentine rocks has, as a general rule, an iron content as high as 3.05% $Fe_2 O_3$ and 2.57% Fe O is accounted for by the fact that the parent rocks (serpentines) vary in iron content from 2.20% to 8.66% $Fe_2 O_3$ and up to 5.24% Fe O.

By contrast, most of the dolomites, limestones and other sedimentary rocks are relatively low in iron, notwithstanding variations depending on petrographical and other local conditions. As a result sedimentary chrysotiles are generally free of iron, quite unlike the massive serpentine chrysotile in which iron, in the form of magnetite, is not an uncommon feature, occurring usually as granules in thin layers either in the veins or adjacent to the serpentine walls.

Besides the freedom from iron, sedimentary fibres are generally characterized by the absence of other rock mineral impurities, such as picrolite, etc, and, except for a litle talc in some regions, the asbestos is of uniform quality and silky in texture. Although the fibres may assume greenish pinkish or other colored tints in situ. when fiberized and opened up, they are generally pure white in color. The good average length of the fibres, the maximum often reaching six inches long, constitutes yet another factor in its value for spinning and weaving purposes.

The asbestos is invariably deposed in cross-fibre form

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in veins that follow the stratified bedding planes, anastomosing in conformity with the sedimentary rocks in which they occur. These rocks are mostly dolomite, limestone or other carbonate sedimentary formations. It is generally accepted that mineralization of such sedimentary series has resulted from contact metamorphism by intrusive diabase or dolerite sills, whereby serpentization along zones of the sedimentary strata, adjacent to the sill, has led to the formation of veins of asbestos.

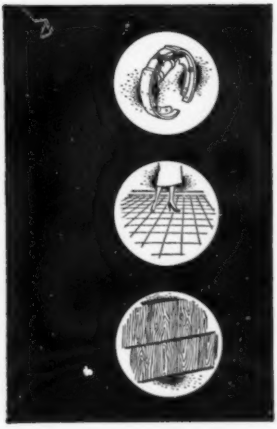
The process involved evidently follows as a result of expansive stresses, set up during hydration, that were primarily responsible for numerous fractures parallel to the bedding planes, which subsequently became fibre veins. From here, genetically, fibre structure resembles the growth of the veins in mass serpentine rock formations.

The section of a typical deposit, in which chrysotile veins occur in a sedimentary formation, is basically representative of most of these occurrences. There are differences in varying physiographical conditions, amounting mainly to the presence of associated bodies, such as quartzites, etc.

In every case, however, it would appear that mineralization of the greenish mottled serpentine beds, the altered product of the sedimentary strata, has quite definitely resulted from the adjacent basic sill, a point indeed that is borne out in some places by an enrichment of fibre development where there is a broken zone resulting from diabase intrusion into the lode. Such infrequent occurrences actually are the only deformations in an otherwise most persistent physical uniformity; yet, (and this presents a problem) the development of the fibre veins, in this class of deposit, is generally extremely inconstant. Unaccountale blank zones, where the fibre veins simply peter out, frequently occur, notwithstanding the regular and continued presence of the basic sill adjacent to the serpentinized layer of the sedimentary beds.

In the circumstances, it is quite evident that other unidentified factors enter into the question of minerlization and these, undoubtedly relate to the composition of the original sedimentary formation. Metamorphism, under normal conditions would assume a certain regularity, but the actual fibre structure in the serpentinized strata would

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require specific proportions of silica, magnesia and other elements from the country rocks.

Although the fibre veins and the asbestos they contain are usually well developed and regularly deposed, unaccompanied by the not unusual localized irregularities, (such as "slip fibre etc.) common to normal serpentine occurrences, the erratic development of the asbestos constitutes a major handicap in the economic aspect of these deposits. Notwithstanding the value of the fibre they contain, the scattered nature of the resources in any proved area obviously reduces the over-all value of the ore, resulting in unavoidably high extraction costs. To overcome these drawbacks, very close development is necessary to facilitate the delimitation of pay zones, indicating the main trend of values, in order that the most economical mining methods may be applied. Without a carefully balanced system based on these lines, the payability of many of these ore-bodies is doubtful, and the deposits, unfortunately, are abandoned. As a result many tons of valuable asbestos is left in situ and lost to industry because of high costs, resulting from poor and inefficient planning through lack of capital for initial development.

In most mineral deposits, the geological setting and locality have a marked effect on their physiographical features. As a general rule, the form and make up of chrysotile occurences in serpentinized sedimentary formations bears characteristics that are closely akin and, as a source of commercial fibre, there are few outstanding differences. The asbestos, in most instances, is recognized as possessing superior qualities.

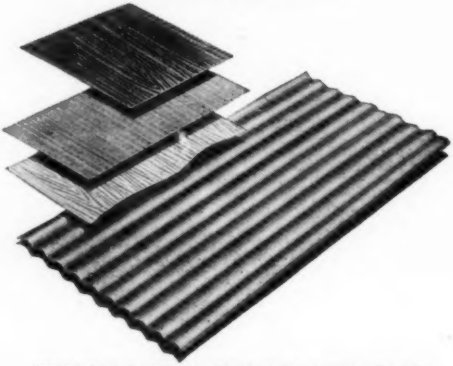
While Arizona is the main producing area in the U.S.A. there are many occurrences in other States. Some of these are being worked, but others are idle because of their marginal value and high production costs. The State, in some cases, has given serious consideration to assisting producing companies by aiding transport and the establishment of custom mills.

In South Africa and Bechuanaland, (at Carolina in the Transvaal and at Lobatsi in Bechuanaland) a fairly regular output is derivided from serpentinized dolomite deposits. These closely resemble the occurrences in the Grand Canyon country in America. There are many

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known deposits in various parts of South Africa besides those in the Carolina district, but here again, marginal values and high production costs make operation uneconomic.

Besides the production from the U.S.A. and South Africa, small tonnages of chrysotile are recovered from this class of ore-body in Australia, India, China and various other localities. Indeed, asbestos deposits of this type are fairly widely distributed through-out the world. Unmortunately, many are of limited extent and often of uncertain payability. It it were possible to work these on a large scale basis the story might be different, as it is however, their asbestos resources are lost to the world's markets until the special value of this class of chrysotile is recognized by manufacturers and a higher scale of prices fixed commensurate with quality and the value of the product.

The Philip Carey Mfg. Company of Cincinnati has introduced a new home insulation material known as CareySpun Rockwool.

The new material is lighter and longer-fibered, resulting in blankets of greater resiliency, and greatly reduced density. The new material is easily cut and sagging in blankets, has been eliminated thus making installation easier,

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UNDERGROUND CORROSION

UNDERGROUND CORROSION, by Melvin Romanoff, National Bureau of Standards Circular 579, issued April 1957, 227 pages, 103 illustrations, $3.00. (Order from the Superintendent of Documents, U.S. Government Printing Office, Washington 25, D.C.)

The corrosion of metallic structures buried in the ground or in contact with soil has long been a serious engineering and economic problem. There are in the United States almost 1 million miles of gas, water, and oil pipelines, 425,000 miles of railroad tracks, 170,000 miles of buried communications, signal, and power cable systems, as well as unknown numbers of other structures, such as tanks, pilings and burial vaults.

This circular which supersedes NBS Circular 450 issued in 1945, is a final report on the studies of underground corrosion conducted by the Bureau over a period of 45 years. Up to 1922, the studies were confined to corrosion due to stray-current electrolysis and its mitigation. After it became apparent that serious corrosion occurred in soils under conditions that precluded stray-currents as an explanation, a field burial program was initiated in order to obtain information pertaining to the effect of soil properties on the corrosion of metals. Approximately 37,000 specimens, representing 333 varieties of ferrous, non-ferrous, and protective coating materials, were exposed in 128 test locations throughout the United States. During this time the electrical and electrochemical aspects of underground corrosion, including cathodic protection, have been continuously studied in the laboratory. Results from both field and laboratory investigations are presented in the circular. Also included are many references to industrial investigations and field experiences related to the Bureau's underground corrosion investigations.

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INVENTS ASBESTOS FOLDER

"Necessity is the mother of invention." And in this case, Doc Grosso treasurer of the Welton Rubber and Asbestos Co., 1785 E. Nine Mile, Detroit Michigan, has designed a piece of equipment known as the asbestos folder.

His brain child is a new method of folding in the manufacture of asbestos tape which has speeded up production two-fold.

Asbestos tape sheeting is uncured rubber cloth with interwoven copper or brass wire to give it stability. It comes in 50-yard rolls, 40 inches wide.

From this large roll, a great number of sizes have to be cut to meet requirements, especially in the heating industry, which is a major sales field.

For example the sizes may be one inch, 1-½, 2-½ or three-inch width and in thicknesses from ⅛-inch to 3/16 inch.

The tape is used wherever a seal is needed between flanges.

The old folding process was a laborious hand method, following the machine-cutting of the strip sizes. Grosso had been unhappy for some time over the hand-folding method. It just didn't fit in with Detroit's modern ways.

He put his mind to work on the problem and came up with a device that is as ingenious as it is simple.

Now, after the strips have been cut, they are run along a board with special controls which pull the tape together and crease it in three simple steps.

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gency runs can also be made.

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MELVIN H. BAKER ADDRESSES NEW YORK SOCIETY OF SECURITY ANALYSTS

Tight money will keep housing starts down to "around 900,000 units" this year according to Chairman Melvin H. Baker of National Gypsum Co.

But the head of the large building materials firm told a meeting of the New York Society of Security Analysts, "Money for home mortgages is easing a bit, the vacancy rate is low and the number of families keeps rising. If this trend continues, home starts should get back to something more than a million next year."

Mr. Baker said he expects sales of National Gypsum for the first half of this year "will be around $71 million." He disclosed the company will budget for sales of about $73 million for the second half of the year as compared to $70,500,000 in the last half of 1956. The expected increase will come largely from the sale of new products," he said.

Chairman Baker told the Security Analysts National Gypsum's "major efforts" are now directed toward developing more business outside the residential construction field. He explained that about 65% of National Gypsum's business has been in products used for the construction of new dwellings. "We hope to increase our sales outside of the home building field to where not more than 50% of our sales will go to the residential market. With additional products, some of which are new, we look forward to increasing our take of the commercial and industrial construction and also to selling more to industries outside the building field."

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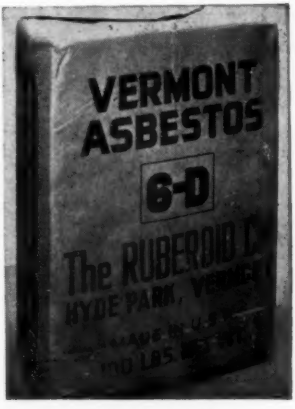
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EDGAR MARBURG LECTURE

Copies of the Edgar Marburg Lecture, "The Industrial Chemistry Properties, and Applications of Silicones," by Charles E. Reed, which was presented at the 1956 Annual Meeting of the American Society for Testing Materials, are now available.

The purpose of the Edgar Marburg Lecture is to have described at the Annual Meeting of the ASTM, by leaders in their respective fields, outstanding developments in the promotion of knowledge of engineering materials. Established as a means of emphasizing the importance of promoting knowledge of materials, the Lecture honors and perpetuates the memory of Edgar Marburg, first secretary of the Society.

Copies may be obtained from the American Society for Testing Materials, 1916 Race Street, Philadelphia 3, Pa., at $1.50 each.

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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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CANADIAN SPECIFICATIONS

The list of Canadian Specifications has been supplemented as of March 7, 1957, and a copy can be obtained from the Canadian Government Specifications Board, National Research Council, Ottawa, Canada, (10c each).

The following Asbestos material is included in the list:

34-GP la Asbestos-Cement Pipe, Pressure
(Supersedes 34-GP-1)

34-GP 17a Asbestos-Cement Sheets, Flat, Semi-compressed
(supersedes 34-GP-17)

34-GP 15a Asbestos-Cement Sheets, Flat, Flexible
(supersedes 34-GP-15)

34-GP 5a Asbestos-Cement Sheets, Corrugated
(supersedes 34-GP-5)

A new 8-page brochure titled "K&M INSULPANEL" has just been announced by Keasbey & Mattison Co., Ambler, Pa. This brochure describes various methods of using Insulpanel for modern roof decking in residential and industrial construction.

Consisting of a core made of light, pressed wood-fibres impregnated with a water-proof asphalt compound, Insulpanel is surfaced with inorganic asbestos fibres and portland cement. It is produced in sheets up to two inches in thickness, four feet in width and lengths ranging from six to twelve feet. Insulpanel is fire resistant, non-corroding, and easy and economical to apply. Its asphalt-impregnated core acts as an excellent insulating medium.

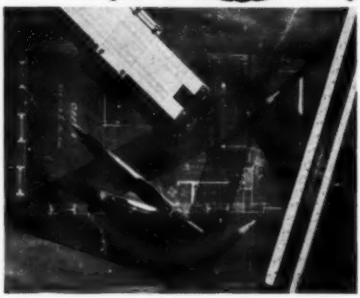
Copies of this brochure may be obtained from Keasbey & Mattison Company, Ambler, Pa.

WANTED

American agents for Europe's leading manufacturer seek regional distributors for complete line of special brushes for asbestos factories. Write giving details, background, experience, territory covered to Box No. 7M-NJ, Asbestos, 807 Western Saving Fund Bldg., Phila. 7, Pa.

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Your Best Buy...



ENGINEERED INSULATION by MUNDET

The difference between two kinds of insulation may be many years of trouble-free service . . . an advantage that may far outweigh the initial cost factor.

Mundet engineered insulations are precision-manufactured to serve you for your individual requirements... longest ... best!

You can depend on Mundet for these benefits:

1. A full line of thermal insulations for all temperature ranges...
2. Prompt attention to your needs and speedy deliveries from nearby Mundet warehouses

MUNDET INSULATION PRODUCTS

include "custom-molded" 85% Magnesia heat insulation and "Tri-Calite" insulation for higher temperatures. Also new expanded Polystyrene insulation: "Styrocel"® "custom-molded" pipe covering and "Styrolite"® board, and Corkboard and Cork Pipe Covering for low temperatures.

MUNDET CORK CORPORATION
Insulation Division
7101 Tonnelle Ave., North Bergen, N. J.
OFFICES IN PRINCIPAL CITIES

COMPLETE INSULATION SERVICE... MUNDET

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MARKET CONDITIONS

GENERAL BUSINESS.

General business conditions continue good. Housing starts recently showed a nice upturn, possibly signalling the end of a long downtrend. Wages are going up in many industries and in most cases some of the increase will be passed along to purchasers of products of such industries. Sales of automobiles and air conditioners have picked up although other consumers' hard goods are in a tough competitive market and sales and profits of such items are not satisfactory. Personal income has risen this year and this factor plus wage increases yet to come leads many analysts to predict an upturn in consumer spending which could well result in substantially better overall business later this year.

ASBESTOS — RAW MATERIAL.

During the first half of 1957 over-all Canadian fibre shipments held very closely to the 1956 level, the total being slightly higher.

During the months of June and July, due to vacations at the Mill and consumers' plants, the seasonal drop in shipment is expected.

Practically all grades are in ample supply and the stocks generally ample.

ASBESTOS — MANUFACTURED GOODS

Asbestos Textiles. Within recent weeks order bookings have been quite low. It is believed, however, that the situation is of a temporary nature. It is questionable if total production during 1957 will be equivalent to production of 1956.

Asbestos Brake Lining. High level sales are continuing in replacement but there is a slackening off in OEM sales due to missing the target with '57 models. This year should wind up as one of all-time high in both equipment and replacement.

Asbestos Paper. Demand for paper is falling behind productive capacity but an improvement is expected later

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DRYCOR FELT CO.

STAFFORDVILLE
CONNECTICUT
U. S. A.

Pioneers
and
World's Largest
Manufacturer
of
NEEDLED FELTS
for
ASBESTOS CEMENT PRODUCTS

•

ESTABLISHED STANDARD
for
ECONOMY
DRAINAGE
LONGER LIFE

•

Synthetic Fibre Content Available to Meet Your Individual Requirement

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in the year. Orders for *Millboard* are very slow although business is slightly ahead of same period last year. Generally, there is a slight improvement in the *Saturated Paper* market with sales showing gains. If construction continues at the present rate a good year is expected.

Insulation. High Pressure. Orders have fallen off slightly for this material and competition is very severe.

Insulation. Low Pressure. The market for low pressure insulation is extremely competitive and orders are very slow. It is anticipated that volume for this product should increase during the next three or four months.

Asbestos Cement Products. Volume has fallen off and for the year is expected to be a little less than last year.

Volume for *Roofing & Siding* is off compared to same period last year, although there has been a slight improvement during the last thirty days.

The market for *Corrugated and Flat* is normal in some areas while somewhat slow in others.

Although less than in 1956, sales of all types of *Asbestos-Cement Pipe* are seasonally high. It is possible that present demand will exist to near the close of 1957; however, the total volume of business for 1957 will be somewhat below that of the previous year.

The above comments have been made by various informed executives in the Industry. All comments are welcome.

FLINTKOTE SUBSIDIARY TO EXPAND

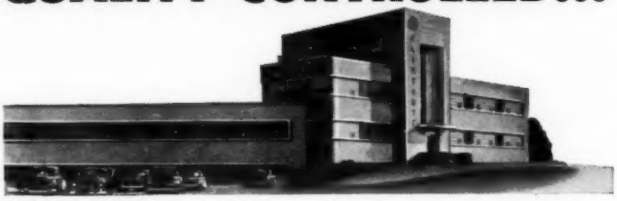
United States Lime Products Corporation, a subsidiary of The Flintkote Company, will construct a new plant on its property at Arrolime, Nevada, some 19 miles northwest of Las Vegas, for the manufacture of oxygen steel-making lime flux, according to an announcement by I. J. Harvey, Jr., Chairman of the Board of Flintkote.

The new plant will have a capacity in excess of 400 tons of lime products per day. Construction was scheduled to begin June 10.

United States Lime Products Corporation has operated a quarry and manufacturing plant at Sloan, Nevada since 1926; a limestone quarry with crushing and screening equipment at Arrolime, Nevada since 1945, and a manufacturing plant which was purchased by the company in 1949 within the Basic Magnesium project at Henderson, Nevada. The corporation became a subsidiary of The Flintkot Company in September 1956.

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QUALITY-CONTROLLED...



Flintkote's modern research center at Whippany, New Jersey provides the facilities and technical know-how to determine the right fibres for diversified product uses.

...FLINTKOTE Asbestos Fibres

You, too, can gain from experience. The Flintkote Company stresses quality—has manufactured quality products for over fifty years—uses quality-controlled asbestos fibres produced by Flintkote Mines in many of its products.

A wide variety of asbestos fibres now available for *your* use.

For further information and descriptive brochure—Write: The Flintkote Company, East Rutherford, New Jersey.

FLINTKOTE MINES, LIMITED

(Subsidiary of The Flintkote Company) Thetford Mines, P. Q., Canada



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AUTOMOBILE SALES

	March 1957	April 1957
Passenger Cars	585,734	541,733
Motor Trucks	91,703	105,175
Motor Coaches	341	506
	677,778	647,414

In March 1956, a total of 689,982 motor vehicles were sold. In the three months of 1957 the total was 2,059,237.

In April 1956, a total of 654,333 motor vehicles were sold. In the four months of 1957 the total was 2,706,651.

These figures were supplied by the Automobile Manufacturers Association, New Center Building, Detroit, Michigan.

Wanted: Product Manager

Must know mechanical packings, gaskets and allied products. Unlimited opportunities. Will have authority for product sales and product development. Send detailed resume. Our personnel are aware of this advertisement. Address Box No. 7-U-B, "ASBESTOS", 307 Western Saving Fund Bldg., Phila., 7, Pa.

ASBESTOS FIBRES
ASBESTOS WASTE
Frank G. Ruggles Co. Inc.
26 BROADWAY
NEW YORK 4, NEW YORK

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Now . . .
starting from the usual

WET ASBESTOS-CEMENT SHEET

A NEWLY-DEVELOPED LINE OF MACHINERY

(Patents Marchioli & Gremigni)

for manufacturing



FITTINGS

OF EVERY SHAPE AND DIMENSION



—TOUGH
—RESILIENT
—COMPACT
—WATERPROOF

PLANTS ALREADY IN OPERATION IN OUTSTANDING FACTORIES

Inquiries for Details, Quotations and References are welcome.

ING. G. MARCHIOLI
22 Morgagni, Milan, Italy
Cable: MINITA—MILANO **Phone: 26 67 27**

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BUILDING

Contracts for future construction in the United States rose sharply in May, F. W. Dodge Corporation, construction news and marketing specialists, reported.

The total of $3,399,528,000 in May was 14 percent above the comparable month last year. One significant feature of the May figures is the fact that the dollar volume of contracts for one-and two-family houses was at the same level as in May 1956. This marks the first month of 1957 that the dollar volume of contracts for this type of building did not fall below the comparable year-earlier level. The number of housing units represented by the May contracts was 101-741, down five percent from the same month last year.

Contracts for non-residential buildings totalled $1,199,-587,000, in May, 11 percent higher than a year ago. Substantial gains were registered for hospital buildings, educational and science buildings, commercial buildings, and manufacturing buildings.

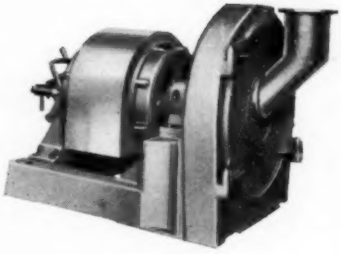
Contracts for residental buildings in May (including multi-family units as well as one-and two-family houses) amounted to $1,297,258,000. This was only one percent below the comparable month last year, with the major part of the decline accounted for by large residential buildings.

Heavy engineering contracts in May totalled $982,683,-000, which was 48 percent above a year ago. Large gains took place in contracts for streets and highway construction as well as for electric light and power systems and water supply systems.

The substantial increases in May brought the cumulative total for the first five months of this year to $13,714,-519,000 or four percent above the comparable period of 1956. Cumulative construction contract totals by categories for January through May 1957, with percent changes from the corresponding year-earlier period, are as follows: Non-residential building $4,784,299,000 up three percent; residential building, $5,328,265,000, down five percent; and heavy engineering, $3,601,955,000, up 20 percent.

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Bauer



Single Revolving Disc Mills

for your wet grinding

In this type of mill, one disc rotates while the other remains stationary.

These famous Bauer machines are used for wet applications in the asbestos industry . . .

1. To reduce coarse particles—1/16" and larger.
2. To deflock fiber bundles in asbestos slurry, for the production of both paper and cement.

Our mills are adaptable to many specific purposes. We take pride in engineering installations to meet exact requirements. When we encounter new problems, we make tests in our fully equipped research laboratories.

You are invited to consult with us.

THE BAUER BROS. CO.
1826 SHERIDAN AVE.
SPRINGFIELD, OHIO

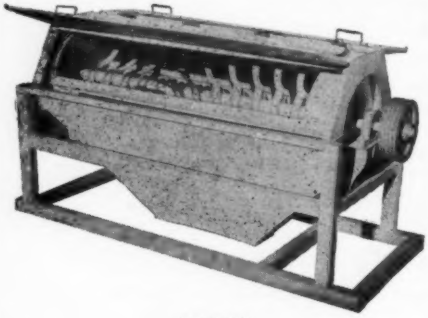
CANADIAN AGENTS:—Lynn Macleod Engineering Supplies Ltd., Thedford Mines, P.Q.
EXPORT AGENTS:—M. Neumunz & Son, Inc., 90 West St., New York 6, N.Y.



Bauer-McNett Classifier

A widely used device for classifying any sample of slurry into a number of fractions, each containing fibers of the same approximate length. Ask for literature.

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GRADERS

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BY

LYNN M

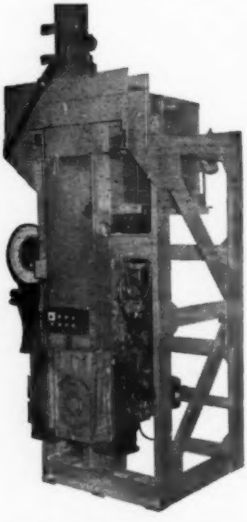
ENGINEERING SU
THETFORD MINES

PACKOMATIC BALE SEALER
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ROTEX SCREENERS
BAUER SEPARATORS
ENTOLETER FIBERIZERS
SYNTRON VIBRATORY FEEDERS
RAYMOND WHIZZERS
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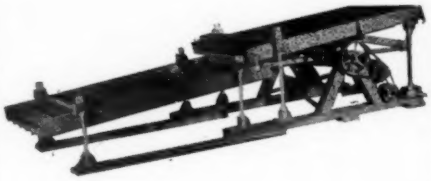
UNION PRESSURE PACKERS

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SBESTOS
MILLING
UIPMENT

DESIGNED
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BY

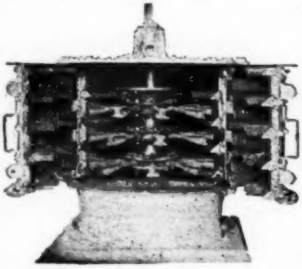
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NG SUPPLIES, LTD.
MINES, QUEBEC



SHAKING SCREENS—ALL TYPES

R CYCLONES
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ASPIRATION PIPING
PRECOMPRESSORS
MULTI-STAGE FIBERIZERS
EDERS FIBRE GRINDERS
QUEBEC STANDARD
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STEEL CASTINGS



VERTICAL FIBERIZERS



JUMBO FIBERIZERS

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ASBESTOS FIBRE

OF ALL TYPES

BRANDHURST COMPANY LIMITED

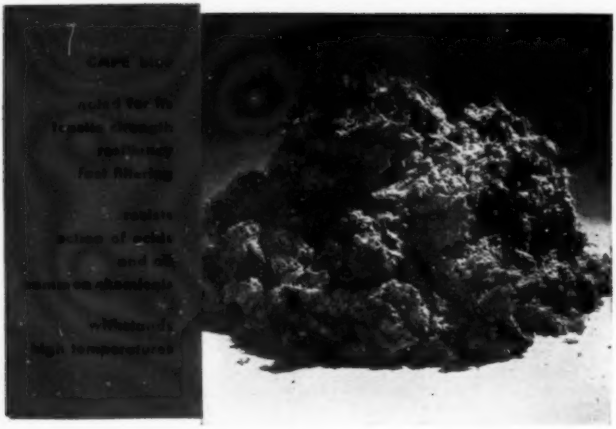
Vintry House

LONDON

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(Private Branch Exchange)	London

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direct from our own South African mines—

BLUE asbestos fiber

Select the strongest of all fibers, from the world's largest producers of Blue (crocidolite) asbestos. Know about its use in molded plastics; as a base for rubber and synthetic impregnants; as reinforcement for bituminous products; as a reinforcement for cements, mortars, refractories. Write for Bulletin 201.

[redacted]

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in the United States

NORTH AMERICAN ASBESTOS CORPORATION

Board of Trade Building • Chicago 4, Illinois

In Canada

CAPE ASBESTOS (Canada) Limited

200 Bloor Street East • Toronto, Ontario • Canada

Subsidiaries of The Cape Asbestos Company Ltd. • London

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PRODUCTION STATISTICS

Canada
(Department of Mines, Province of Quebec)

Tons 2,000 lbs.

Production for April 1957 (Quebec)	102,141	Tons
Other Provinces	5,225	
	107,266	

Total production for April 1956 was 99,558 tons

Africa (Rhodesia)
(Published by Rhodesia Chamber of Mines)

Tons 2,000 lbs.

Production for February 1957	10,272.97	Tons
Valued at	£711,455	
Production for February 1956	9,925.25	Tons
Valued at	£738,267	

JIG FOR ASBESTOS SIDING CUTTER

"Pete" Peterson, Tulsa, Oklahoma, Ruberoid Co., salesman in the Old American Division, is a lad with an inventive turn of mind. His latest brain wave is a jig for use with asbestos-cement shingle cutters. He noted the time consumed by siding mechanics in marking and cutting shingles located at the junction between shed roofs and gable walls.

Peterson's solution is a platform which fits over the cutter. There is a yardstick at one end for measuring lengths, and a groove to receive a miter gauge to assist in cutting angles.

The enterprising salesman has no thought of cornering the asbestos shingle cutter jig market and if you are interested in getting the dimensions and construction details write to "Asbestos Cutter Jig", Old American Roofing Mills Div., The Ruberoid Co., 7600 Truman Road, Kansas City 26, Mo.

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THE COLONIAL SUGAR REFINING CO. LTD.

SYDNEY, AUSTRALIA

Sole Distributors for

AUSTRALIAN BLUE ASBESTOS LIMITED

MINES AT WITTENOOM, W.A.

SOLE SELLING AGENTS

● **Minercls Fibres Ltd.,**
Market Buildings
Mark Lane, London
Argentine, Belgium, Brazil, Chile, China, Colombia, Denmark, France, Egypt, Formosa, Great Britain, Holland, India, Israel, Italy, Mexico, Norway, Pakistan, Peru, Philippines, Portugal, Spain, Sweden, Switzerland, Thailand, Turkey, Uruguay, Venezuela.

● **Carters (Merchants) Ltd.,**
Winchester House
Old Broad St., London
Austria, Czechoslovakia, Germany, Hungary, Japan, Poland, U.S.S.R., Yugoslavia.

Australian Blue is an ideal fibre for asbestos cement and for purposes requiring good heat insulation and acid resistance. It has excellent spinning properties. Samples are available on request.

WILHELM BURGDORF

Importer of **Raw Asbestos**

P. O. Box 1131, BREMEN, GERMANY

To enjoy the lowest net cost of Asbestos Fibre, obtain highest price for your empty burlap asbestos bags by selling them to

ACE BAG & BURLAP CO. INC.

2640 Park Avenue **New York 51, N. Y.**

SOCIEDADE PORTUGUESA DE AMIANTOS, Lda.

Rua Sá da Bandeira 245-20 **Porto - Portugal**

CRUDES and FIBERIZED ASBESTOS

Distributors in U.S.A.:

OVIMPEX INCORPORATED

176 Broadway - New York 38, N. Y.

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IMPORTS AND EXPORTS

Imports Into U. S. A.

(Figures by Bureau of Census)

Unmanufactured Asbestos—By Countries:

		Year 1956 Tons (2240 lbs.)
From:	Canada	567,344
	Union of S Africa	29,170
	Rhodesia (Ny)	12,647
	Australia	2,812
	Yugoslavia	3,335
	Mozambique	241
	United Kingdom	289
	Venezuela	129
	Br. E. Africa	20
	Bolivia	30
	Italy	10
	W. Germany	36
	Fr. Morocco	3
	Greece	2
	Portugal	4
		616,077
	Valued at	$61,773,582

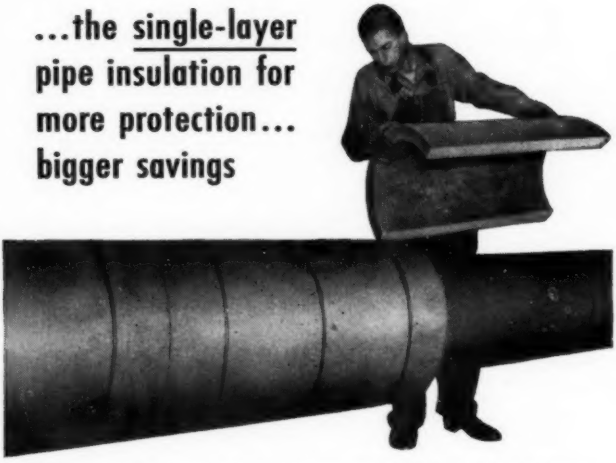
By Grades:

Crude No. 1, Chrysotile, Canada	1,544
Crude No. 1, Chrysotile, U. of S. Africa	1
Crude No. 2, Chrysotile, Canada	194
Crude No. 2, Chrysotile, Rhodesia (N)	63
Crude Other, Chrysotile, Canada	5
Crude Other, Chrysotile, Venezuela	107
Crude Other, Chrysotile, Portugal	4
Crude Other, Chrysotile, Yugoslavia	3,335
Crude Other, Chrysotile, Greece	2
Crude Other, Chrysotile, Mozambique	201
Crude Other, Chrysotile, U. of S. Africa	1,378
Crude Other, Chrysotile, Rhodesia (Ny)	11,993
Crude, Blue, Bolivia	30
Crude, Blue, United Kingdom	2
Crude, Blue, Australia	2,812
Crude, Blue, Mozambique	27
Crude, Blue, Union of S. Africa	17,177
Crude, Amosite, United Kingdom	2
Crude, Amosite, Union of S. Africa	10,206

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UNIBESTOS®

...the single-layer pipe insulation for more protection... bigger savings



Unibestos protects pipelines up to 1200° F. Single-layer construction cuts application costs...seals in more heat at the joints than double-layer insulations. Available in sectional form through 44" O.D.

UNARCO...for the best in asbestos insulation

TEXTILES

Cloth (plain and metallic)
Woven Tapes
Gasket Cloth
Sheet Packings
Front End Tape

FLEXIBLES

Insutube—slip-on
Insutape—wrap-on
Insubestos Felt
Wovenstone®—lace-on
Specialty Insulation

PACKING

High Pressure Rod Packing
Blue Asbestos Packing—acid resistant
Square Braided Packing
Valve Stem Packings—twisted and braided
Joint Runners
High Pressure Packing—semimetallic

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Write for new 40-page catalog

UNION ASBESTOS & RUBBER COMPANY

1111 West Perry Street • Bloomington, Illinois

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Crude, Amosite, Rhodesia (Ny)	270
Textile Fibres, Chrysotile, Canada	18,427
Textile Fibres, Chrysotile, Venezuela	12
Textile Fibres, Chrysotile, U. Kingdom	113
Textile Fibres, Chrysotile, U.S.S.R.	5
Textile Fibres, Chrysotile, Italy	10
Textile Fibres, Chrysotile, Br. E. Africa	12
Textile Fibres, Chrysotile, U. of S. Africa	169
Textile Fibres, Chrysotile, Rhodesia (Ny)	303
Shingle Fibres, Chrysotile, Canada	74,136
Paper Fibres, Chrysotile, Canada	46,688
Paper Fibres, Chrysotile, U. of S. Africa	9
Other Fibres, Chrysotile, Canada	426,350
Other Fibres, Chrysotile, Venezuela	10
Other Fibres, Chrysotile, U. Kingdom	172
Other Fibres, Chrysotile, W. Germany	36
Other Fibres, Chrysotile, Br. E. Africa	8
Other Fibres, Chrysotile, Mozambique	13
Other Fibres, Chrysotile, U. of S. Africa	167
Other Fibres, Chrysotile, Rhodesia (Ny)	27

Manufactured Asbestos Goods:

	Year 1956	
	Quantity (lbs.)	Value
Asbestos Yarn		
Canada	90,656	$ 110,212
United Kingdom	671,782	554,875
Belgium	5,981	7,607
France	6,612	6,650
W. Germany	998	1,169
Italy	18,844	17,423
U. of S. Africa	1,252	1,011
Asbestos Packing and Lining		
Canada	1,834	4,164
United Kingdom	36,100	28,304
W. Germany	21,494	4,821
Israel	1,130	546
Asbestos Shingles (Impreg.)		
Canada	3,757,779	378,664
Belgium	307,030	8,900
Asbestos Shingles (Not Impreg.)		
Canada	26,781,796	2,511,620
Mexico	47,693	6,255
United Kingdom	70,248	6,674
Belgium	2,810,109	123,486
France	355,277	18,664
W. Germany	281,800	14,142
Italy	24,657,312	1,071,729
Yugoslavia	176,711	7,508

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BELL ASBESTOS MINES LTD.

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CANADA



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& Fibres



Sales Representatives

for

Cassiar Asbestos Corporation Limited

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Asbestos Manufactures — Others		
Canada	....	8,313
United Kingdom	....	37,072
Belgium	....	2,362
Italy	....	614
	60,102,438	$4,932,785

Exports From U. S. A.

(Figures by Bureau of Census)

Unmanufactured Asbestos:

	March 1957 Tons (2240 lbs.)	Value
To: Europe	115	$10,470
Canada	54	2,016
Mexico & C. America	45	7,088
United Kingdom	36	3,520
Other Countries	23	5,694
	283	$28,788

Manufactured Asbestos Goods:

		March 1957 Quantity	Value
Asbestos Cement & Pipe Covg.	Lbs.	923,317	$ 123,641
Asbestos Textile & Yarn	Lbs.	74,712	86,575
Asbestos Packings	Lbs.	200,588	235,166
Asbestos Clutch Facings	No.	172,910	121,467
Asb. Bk. Lng. (Mld. & S. Mld.)	Lin.Ft.	212,005	71,351
Asbestos Brake Lining, Rolls	Lin.Ft.	16,501	16,261
Asbestos Brake Lining, Other	Lbs.	479,182	411,024
Asbestos Construction Materials	Lbs.	2,753,797	358,279
Asbestos Manufactures — Others	....	....	60,523
			$1,484,260

Imports of Asbestos by United Kingdom

Raw Materials

	Mar. 1957 Tons (2240 lbs.)	Apr. 1957
From: Union of South Africa	2,549	2,042
Basutoland, Bechunanaland & Swaziland	852	674
Rhodesia	2,570	2,831
Canada	5,206	4,407
Other Commonwealth Countries	352	45
Foreign Countries	36	30
	11,	10,029

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CAPE BLUE ASBESTOS

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TRANSVAAL BLUE • AMOSITE
CHRYSOTILE • ANTHOPHYLLITE

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Processing of all grades of Asbestos carried out in our London Works.



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CENTRAL ASBESTOS (S. A.) PTY LTD. P.O. BOX 3570 JOHANNESBURG

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Exports from Canada

(Published by Dominion of Statistics)

Unmanufactured Asbestos:

	Tons (2000 lbs.)	Value
Crude		
United States	24	$ 18,145
United Kingdom	....	.....
South America	....	.....
Central America & Mexico	....	.....
European Countries	2	1,520
Other Countries	....	.....
	26	$ 19,665
Milled		
United States	13,915	$2,480,885
United Kingdom	407	87,987
South America	476	84,292
Central America & Mexico	90	13,835
European Countries	3,885	816,341
Other Countries	1,580	213,578
	20,353	$3,696,918
Shorts		
United States	44,119	$2,319,470
United Kingdom	2,960	117,492
South America	178	7,298
Central America & Mexico	108	4,353
European Countries	716	33,211
Other Countries	503	42,026
	48,584	$2,523,850
Grand Total—Unmanufactured Asbestos	68,963	$6,240,433

Manufactured Asbestos Goods:

Brake Lining	$35,904
Packing	163
Other Materials	20,885
	$56,952

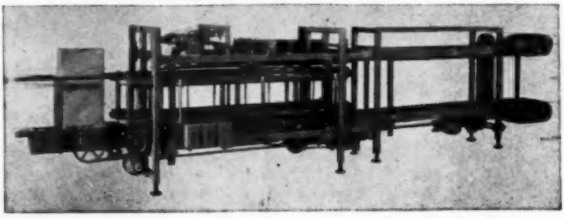
MINING JOURNAL ANNUAL REVIEW NUMBER

The annual review number of the Mining Journal published in London (15 Wilson Street, Moorgate, London, E.C. 2) was issued recently and contained over 300 pages. Many special contributed articles, reporting on the mining industry throughout the world during 1956 are among its contents. The contents can be roughly grouped as Metals, Mining and Metallurgical Developments, The World's Mining Fields, and Progress During the Year, covering the various mining fields.

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PACKOMATIC *Shows the way to increased efficiency in your BALE SEALING operation.*

- **ADJUSTABLE—to the accepted range of ASBESTOS Bale Sizes.**
- **AUTOMATIC—can be furnished with or without tucking device.**
- **NEW—engineered with the most advanced electrical and mechanical features available.**
- **STURDY—built for efficient-trouble-free performance to give long years of continuous service—finest workmanship and materials.**
- **CUSTOM—DEVELOPED OUT OF THE EXPERIENCE IN THE ASBESTOS INDUSTRY.**



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The Ruberoid Company
Flintkote Mines, Ltd.

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PACKAGING MACHINERY

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NEWS OF THE INDUSTRY

HAPPY BIRTHDAY

Thomas L. Gatke, President, Gatke Corporation, Chicago, Ill., July 16.

L. U. Noland, Chairman of the Board, Noland Co., Inc., Newport News, Va., July 17.

Robert R. Porter, President, Keasbey & Mattison Co., Ambler, Pa., July 17.

G. C. Bahrs, Vice President & Treasurer, The Ruberoid Co., New York City, July 18.

J. F. D. Rohrbach, President Raybestos-Manhattan,Inc., Passaic, N. J., July 18.

R. F. Turner, Sales Promotion Manager, The Philip Carey Mfg. Co., Cincinnati, Ohio, July 18.

C. B. Whitley, Secretary, Scandinavia Belting Co., Charlotte, N. C., July 20.

C. J. Backstrand, President, Armstrong Cork Co., Lancaster, Pa., July 21.

Laurence W. Clarke, Vice President, The Philip Carey Mfg. Co., Cincinnati, Ohio, July 21.

R. S. King, Chairman, The Philip Carey Mfg. Co., Cincinnati, Ohio, July 21.

W. S. Simpson, Director & Secretary, Raybestos-Manhattan, Inc., Bridgeport, Conn., July 21.

R. R. Galloway, Vice President, Fibreboard Paper Products Corp., San Francisco, Calif., July 22.

J. E. Hooker, Pacific Roofing Co., Portland, Oregon, July 22.

Roscoe E. Tallman, Director of Board, Tallman McCluskey Fabric Co., Kirkwood, Mo., July 22.

Charles A. Saitta, President, Asbestos Corporation of America, New York City, July 23.

C. R. Hubbard, Vice President, Garlock Packing Co., Palmyra, N. Y., July 25.

Hilton A. Moberg, President, Arnold Insulations, Inc., Chicago, Ill., July 25.

Frank C. LeRow, Executive Vice President, Asbestos, Asphalt & Insulations, Inc., Chicago, Ill., July 26.

P. H. Ryan, Sales Manager, Asbestos Products Division, National Gypsum Co., Buffalo, N. Y., July 26.

R. S. Hammon, General Sales Mgr., Building Products Division, Johns-Manville Corporation, New York City, July 27.

John Ozurovich, President, Atlantic Asbestos Corporation, New York City, July 31.

Harry H. Heckroth, Vice President, Penn Supply & Metal Corporation, Philadelphia, Pa., August 2.

C. W. Gregg, Treasurer & Director, The Flintkote Co., New York City, August 3.

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ASBESTOS

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US RUBBER

are manufactured in our own modern plant at Stark Mills, Hogansville, Ga. Spinning and weaving operations are closely controlled for maximum uniformity in asbestos yarns, fabrics and tapes. Specialties developed to meet customers' requirements.

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



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G. P. Reilly, Plant Manager, Smith Asbestos Products, Inc., Millington, N. J., August 5.
A. P. Keasbey, President, Robert A. Keasbey Company, New York City, August 6.
Paul C. Collopy, President, Acme Asb. Covg. & Flooring Co., Chicago, Ill., August 8.
Grant V. Wilson, President, Grant Wilson, Inc., Chicago, Ill., August 11.
Matthew L. Ladden, President, Ladden, Asbestos Corporation of N. J., Irvington, N. J., August 15.

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

CHARLES D. GRAM RETIRES AS COMMERCIAL MANAGER OF S. A. ETERNIT

We, S. A. ETERNIT, Kapelle-op-Den-Bos (Malines) Le Belgium, have the honor of announcing that after fifty years of devoted service to this Company, *Mr. Charles D. Gram*, Commercial Manager, has decided to retire.

We are pleased to pay tribute to the outstanding merits displayed by our senior official in the management of our home and export business, for which he gained the thankfulness of our Board of Directors as well as the sympathy of our customers and the general appreciation.

We are grateful to Mr. Gram that on taking a well deserved leisure after his prolonged professional career, he has accepted to continue extending upon us the benefit of his wide experience.

The responsibilities of Mr. Gram have been entrusted to *Mr. Pierre Lagrange* who shall be assisted by *Mr. Frans Meuldermans* in the capacity of Sales Manager in charge of the Export Department, and *Mr. Paul Luypaerts* in the capacity of Sales Manager in charge of the Home Department.

IDCNA NAMES CHAIRMAN OF NATIONAL JOINT BOARD

Richard J. Mitchell, of Pittsburgh, Pa. has been named to succeed John T. Dunlop as chairman of the National Joint Board for the Settlement of Jurisdictional Disputes by the construction industry organizations sponsoring the board.

The selection was made and announced by the Joint Negotiating Committees representing the Building and Construction Trades Department of the American Federation of Labor-CIO, The Associated General Contractors of America, Inc., and the national specialty contractor associations sponsoring the board.

Mr. Mitchell took chairmanship on the board on June 15 and Mr. Dunlop, who had been the impartial chairman since the board was first established in May 1948, will remain in an advisory capacity for a few months.

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CABLE ADDRESS METABEST

METATE ASBESTOS CORPORATION

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ARIZONA CHRYSOTILE CRUDES

and

FILTERATION FIBRE

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INDIAN RESERVATION
GILA COUNTY, ARIZONA

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GLOBE, ARIZONA

INDUSTRIAL SERVICE COMPANY

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Your Inquiries Are Invited

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R-M SALES APPOINTMENTS

Four new sales appointments have been anounced by Raybestos-Manhattan, Inc., Passaic, N. J.

T.W.R. Latham has been appointed Los Angeles District Manager. In this capacity he will supervise the sale and distribution of industrial rubber products, packings and asbestos textiles in Southern California, Arizona and New Mexico, *S. V. V. Hoffman*, who functioned as Los Angeles District Manager protem, remains as R/M Western Region Manager, coordinating the activities of both the Los Angeles and San Francisco Districts.

J. M. Ehman has been appointed Birmingham Assistant District Manager. In this district, Mr. Ehman will contribute to the closer coordination of marketing activities in the distribution of industrial rubber products and packings.

Nevin L. Rush has been appointed Manager, Distributor Sales, Philadelphia District. Mr. Rush has served in important sales capacities with Raybestos-Manhattan for the past 12 years.

Julian P. Chilcote has been appointed Sales Representative in the New York District. With his background of mining operations both in this country and abroad, he will adequately serve both the mining and oil industries in meeting their requirements for industrial rubber products, packings and oilfield friction materials. He will maintain close liaison with the Export Division and worldwide mining interests, and is expected to make periodic trips to South America.

WALTER C. DODGE RETIRES

The retirement of *Walter C. Dodge*, advertising manager at Keasbey & Mattison Company of Ambler, Pa., has been announced.

Mr. Dodge is just completing a half century of service with Keasbey & Mattison. He was first employed by the company in 1908 in the New York District Office. In 1912 he was transferred to an affiliated company in Canada where he engaged in sales work until his return to New York in 1919. He then became active in various sales and merchandising capacities until his appointment as advertising manager at Ambler in 1957.

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Mines and Mills in Gila Co., Arizona

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Life ?

Drainage ?

Finish ?

Stability ?

Uniformity ?

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Your Albany Felt Sales Engineer wants to give you more information about these outstanding felts for asbestos-cement shingles, siding and sheets.



ALBANY
FELT COMPANY
Main Office & Plant, Albany, N. Y.
Other plants: Hoosick Falls, N. Y., N. Monmouth, Me.
St. Stephens, S. C., Cowansville, P. Q.

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THE RUBEROID CO.

Thomas H. Dermody, comptroller of The Ruberoid Co., has announced the appointment of *Lauren M. Richmond*, Kansas City, Mo., to be assistant to the comptroller. Mr. Richmond, whose headquarters will be at the company offices in New York, has already assumed his duties.

A veteran of more than 20 years in the building materials business, Mr. Richmond was employed as an auditor by the American Asphalt Roof Corporation, Kansas City, in 1936. He joined Ruberoid when that company acquired American in 1952. Since that time he has served as office and credit manager of Ruberoid's Kansas City plant. Prior to 1936 Mr. Richmond worked with Hall Bros., Inc., of Kansas City.

UNITED STATES RUBBER CO. CREATES NEW POST

The appointment of *John J. Dacey, Jr.*, to the newly created post of sales promotion manager of the textile division of United States Rubber Company has been announced.

Dr. Dacey joins U. S. Rubber after many years experience in both manufacturing and retail promotion of textile products, including fabrics for the apparel, furniture and decorating trades.

He has held a number of important executive positions in the textile industry. He had been vice president and in charge of advertising and merchandising for Finchley, Chicago, men's retail clothing store, and was with various divisions of Goodall for 15 years.

ROCKBESTOS PRODUCTS CORPORATION

Richard H. Bamford has been appointed sales manager of Rockbestos Products Corporation, manuufacturers of insulated wire and cable.

Mr. Bamford has been assistant sales manager since January 1953, and will continue to report to H. O. Anderson, vice president in charge of sales for Rockbestos. He joined the company 18 years ago in New Haven, and except for service in the Air Force as a captain, he has been with Rockbestos since. He was assigned to the Detroit Sales Office of the company for three years, and was made maanger of the St. Louis Sales Office in 1949.

FRANK G. RUGGLES CO. INC.

Recently Frank G. Ruggles Co., Inc., moved from 50 Church Street, New York 7, N. Y., to new offices at 26 Broadway, New York 4, N. Y. See advertisement on page 28.

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Antony Gibbs & Co., Inc.

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Vanguard Asbestos Mines

Boss Asbestos Mines

Grades: Spinning, 3Z, 4H, 5R, 6D, 7M

UNION CHRYSOTILE

CAPE BLUE

Kuruman Cape Blue Asbestos

Grades: 1, 2, 3

TRANSVAAL BLUE

Baboon Asbestos Co.

Grades: TD1, TD2, TD3, TD4

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UNITED STATES RUBBER CO.
Changes in Personnel

Appointment of *Frederick T. Hopkins* as sales manager of industrial yarns and fabrics for the textile division, United States Rubber Co., has been announced.

Formerly assistant sales manager of industrial yarns and fabrics, Mr. Hopkins succeeds *Albert W. Hansen*, who has retired. Mr. Hopkins will direct sales of hose and belt ducks, insulating and mechanical yarns, Ustex yarns, and a wide variety of other industrial yarns and fabrics.

Mr. Hopkins started with the tire division of the rubber company in 1937 as a laboratory technician on tire cord and rose to be a development supervisor before leaving to serve during World War II. He was made a sales supervisor in 1953 and became assistant manager of the department in February of this year.

William R. Tise has been appointed Western belting engineer for the conveyor and elevator belting department.

A graduate of Virginia Polytechnic Institute, Mr. Tise joined the rubber company in early 1956. He was a sales engineer in the belting department with headquarters in Passaic, N. J., before receiving his new assignment.

His new post will combine technical sales and engineering service in the 11 western states. He will make his headquarters in the rubber campany's Los Angeles sales office.

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PHOENIX, ARIZONA

Producers of Low Iron Chrysotile Crudes and Filter Fibre

MINES AND MILL IN GILA COUNTY

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FRICTION MATERIALS STANDARDS INSTITUTE, INC.
Annual Meeting—Election of Officers

At the Annual Meeting of the Friction Materials Standards Institute, Inc., held on June 12, 1957, the following officers were elected for the year starting July 1st:

President—*William J. Vachout*, Molded Materials Div., Carlisle Corp.

Vice President—*George S. Lamson*, Thermoid Company

Treasurer—*Vincent A. Spina*, Scandinavia Belting Company

Secretary—*Miss Harriet H. Duschek*

Other members of the Board of Directors, serving with these officers are:

Frederick C. Weyburne—Marshall-Eclipse Division, Bendix Aviation Corporation

Franklin A. Miller—Raybestos-Manhattan, Inc.

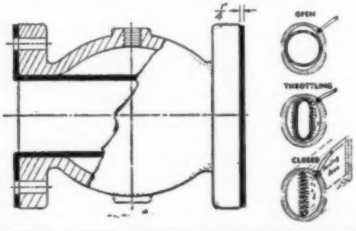
Leo S. Sullivan—The Russell Mfg. Company

S. Arthur Smith—Silver Line Brake Lining Corporation

Richard A. Riley—World Bestos

AMERICAN BRAKE SHOE CO.

Frank B. Falvey has been appointed sales representative in New York for the American Manganese Steel Division of American Brake Shoe Company. A graduate of Boston College, he joined the company as a sales apprentice in January 1956.



RED JACKET VALVES

For Crude or Refined Asbestos

CARNEGIE, PA.

„ *Tropag* "

Hamburg —:— Ballindamm 6

Importers since 1909 of

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PROMOTIONS AT NATIONAL GYPSUM

National Gypsum Company has announced the promotions of *George V. Arnold* as Southeast Division Sales Manager and *Robert C. Smith* as Atlanta District Manager.

Mr. Arnold, former Atlantic District Manager, fills the position left vacant by the recent death of William H. Pulley. National Gypsum's Southeast Division includes district offices in Atlanta, Ga., Birmingham, Ala., Charlotte, N. C., Jacksonville, Fla., and Richmond, Va.

Joining National Gypsum as a General Line Salesman in 1938, Mr. Arnold was promoted to assistant manager for the Atlanta District in 1947. In 1952 he was appointed Atlanta District Manager.

Mr. Smith began his career with National Gypsum as a sales trainee in 1948. He later became a General Line Salesman and in 1952 was made assistant manager of the Atlanta District.

CURRENT RANGE OF PRICE

As of June 10, 1957

Arizona—	Per Ton of 2,000 lbs., f.o.b. Globe, Arizona		
No. 1 Crude (soft)	$1,500.00	to	$1,750.00
No. 2 Crude (soft)	900.00	to	1,050.00
No. 3 Crude (soft)	400.00	to	450.00
Filter Fibre (soft)	250.00	to	450.00
No. 1 Crude (semi-soft)	1,200.00	to	1,500.00
No. 2 Crude (semi-soft)	900.00		
No. 3 Crude (semi soft)	400.00		
Canada—	Per Ton 2000 lbs. f.o.b. Mine		
Group No. 1 (Crude No. 1)	$1,400.00	to	$1,725.00
Group No. 2 Crude No. 2; Crude Run-of-Mine and Sundry	750.00	to	1,100.00
Group No. 3 (Spining Fibre)	350.00	to	575.00
Group No. 4 (Shingle Fibre)	170.00	to	225.00
Group No. 6 (Waste, Stucco or Plaster)			82.00
Group No. 7 (Refuse or Shorts)	38.00	to	75.00
Vermont—	Per Ton of 2000 lbs. f.o.b. Hyde Park or Morrisville, Vt.		
Group No. 3 (Spinning & Filtering)	$ 353.00	to	$ 383.00
Group No. 4 (Shingle Fibre)	172.00	to	190.00
Group No. 5 (Paper Fibre)	114.00	to	145.00
Group No. 6 (Waste, Stucco or Plaster)			82.00
Group No. 7 (Refuse or Shorts)	39.00	to	72.00

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KEASBEY & MATTISON COMPANY APPOINTS ADVERTISING MANAGER

Appointment of *J. Calvin Affleck* as advertising manager of Keasbey & Mattison Company of Ambler, Pa., manufacturers of asbestos, asphalt, and Magnesia products, was recently announced. He succeeds Walter C. Dodge who has reached the age of retirement.

Mr. Affleck was formerly national advertising and sales promotion manager of the Television Receiver Division of the Allen B. DuMont Laboratories, Inc., for seven years. Prior to that, he was advertising, sales promotion and publicity manager of Radiomarine Corporation of America an RCA subsidiary.

ASBESTOS-CEMENT MACHINERY

Wet machines with Auxiliaries for the production of 24" to 48" wide, flat or corrugated sheets in commercial lengths.

Fiberizing Equipment, Rotary Cutters, Wet and Dry Trimmers, Finishing and Texturing Machines.

Your inquiries are most welcome

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(Successors to Asbestos-Cement Associates, Inc.)

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IDCNA SELECTS BALTIMORE MAN FOR DUNLOP BOARD

Merrill R. Carr, Baltimore, has been designated to represent the nation's insulation contractors on the Dunlop Board.

The Dunlop Board, officially known as the National Joint Board for the settlement of Jurisdictional Disputes, is the arbitrational tribunal for disputes within the building and construction trades. Its members represent the labor unions and the general contractors and subcontractors of the construction industry. The chairman of the Board is *Dr. John T. Dunlop*, Professor in the Economics Department of Harvard University.

Mr. Carr is the president of H.W. Porter & Co., Inc., Newark, New Jersey and of Reid Hayden, Inc. of Baltimore, Richmond and Charlotte.

ASBESTOS STOCK QUOTATIONS

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

	Par	June 10, 1957 Low	High	Last
		June 1957		
Amer. Br. Shoe (Com.)	np	46⅝	50⅝	48
Amer. Br. Shoe (Pfd.)	100	118	125	118½
Armst. Ck. (Com.)	1	26⅜	28	27¾
Armst. Ck. (Pfd.)	np	83½	88¼	86
Asbestos Corp. (Com.)	np	30¾	32½	31½
Carey (Com.)	10	28¾	30	29½
Cassiar Asb. Corp.	np	$6.25	$7.00	$6.70
Celotex (Com.)	1	33¼	36	35¼
Celotex (Pfc.)	20	17½	18¼	17¾
Certainteed (Com.)	1	9	9⅜	9⅛
Fibreboard Paper Pro. (Com.)	np	27⅝	31⅞	31½
Fibreboard Paper Prod. (Pfd.)	100	103	104	103⅝
Flintkote (Com.)	5	39¼	41⅜	43
Flintkote, (Pfd.)	np	91	93	91
Johns-Manville (Com.)	5	48½	51½	49¾
Natl. Gypsum (Com.)	1	38¼	42½	42½
Natl. Gypsum (Pfd.)	np	90	95½	90
Ray-Man (Com.)	1	57	59¼	57½
Ruberoid (Com.)	1	29	30¼	29⅝
Thermoid (Com.)	1	13¼	13½	13¼
Thermoid (Pfd.)	50	46⅞	47⅞	47⅝
Union Asb. & Rub. (Com.)	5	7⅜	8	7⅜
United Asb. (Com.)	1	$6.50	$6.90	$6.50
U. S. Gypsum (Com.)	4	60¼	64¾	62½
U. S. Gypsum (Pfd.)	100	156½	158½	156¾
U. S. Rubber (Com.)	5	44	46¾	44½
U. S. Rubber (Pfd.)	100	136	144¾	137

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AND SOUTH AFRICAN ASBESTOS

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UNITED STATES RUBBER CO.

Royal P. Tuthill has joined the yarn sales section of the textile division of United States Rubber Co. as supervisor of product development and technical service for tufting, chenille and floor covering yarns.

Mr. Tuthill will report to John H. Shaw, sales manager of yarns, and Joseph B. Jackson, sales manager of tufting, chenille and floor covering yarns. His office will be at H. S. Rubber's New York Headquarters. Mr. Tuthill will be responsible for the development of new yarns and sales-service to the tufting trade.

THE PHILIP CAREY MFG. CO.
RETAINS COLOR STYLIST

Howard Ketcham, internationally famous color stylist, has been retained by The Philip Carey Mfg. Company of Cincinnati, a leading producer of construction materials for home and industry.

Mr. Ketcham is president of Howard Ketcham, Inc., a consulting firm which has been specializing in color, design and illumination engineering for 30 years. He pioneered in the field of functional color, in which colors are used to influence the attitudes of the people who view them.

F. J. WAKEM, V. P. of J-M. RETIRES

Francis J. Wakem, a Vice President of Johns-Manville Sales Corporation, retired on July 1, after 36 years with the Company, during which he achieved industry wide prominence.

Mr. Wakem, who is General Manager of the Johns-Manville Packings and Friction Materials Division has spent his entire business career with Johns-Manville. He entered the Company's employment shortly after receiving an engineering degree from the Sheffield School of Science at Yale University in 1921.

Since his first assignment in New York City with Johns-Manville, Mr. Wakem has specialized in packings, asbestos textiles and friction materials.

During all this time he has also been active in industry affairs, having served as President of the Mechanical Packing Association, Director of the Asbestos Textile Institute, and Chairman of the Industrial Division of the Brake Lining Manufacturers Association.

AMERICAN BRAKE SHOE CO.
Changes Address

After June 24th the New York office of American Brake Shoe Company will be located at 530 Fifth Avenue, New York 36, N.Y., telephone: OXford 7-7000.

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Drastic reduction of heat loss with

PABCO PRECISION-MOLDED CALTEMP

a Calcium Silicate Insulation

When vapors or liquids are conveyed or held at temperatures up to 1900° F.—when equipment is operated to high heat levels—Pabco insulations cut heat losses to absolute minimums. "Precision-Molded" by a patented process, Pabco's Caltemp and 85% Magnesia pipe and block insulations control temperatures within close tolerances. For data on technical advantages, case histories, or engineering consultation, write . . . or call a Pabco insulation engineer.

INSULATION GUIDE

Temperature	Recommended Pabco Insulation
to 550° F.	85% Magnesia pipe covering • block • cement
to 1200° F.	Caltemp pipe covering • block • cement
to 1500° F.	Prasco 15 C pipe covering • block • cement
to 1900° F.	Prasco 19 C block

PABCO

INDUSTRIAL INSULATIONS DIVISION

Fibreboard Paper Products Corporation
San Francisco 19 • Chicago 54
Houston 4 • New York 16 • Los Angeles

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PATENTS

Abstracts of U. S. Patents on Asbestos and Asbestos Products by Oliver S. North.

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

Method of Preparing Composite Products Containing Metallic and Non-Metallic Materials. No. 2,793,949. Granted on May 28, 1957 to G. Imich. An improved method for making mixtures of metallic and non-metallic materials by adding to the mixtures certain minerals to serve as wetting agents. Some non-metallic minerals used as wetting agents are kaolin, mica, talc and asbestos. This method is reported to be preferable to current sinter methods of making such mixtures.

Method and Apparatus For Making Fibre Reinforced Resin Tubing. No. 2,794, 481. Granted on June 4, 1957 to A. C. Anderson; assignor to A. O. Smith Corp. Milwaukee, Wis. Method and apparatus for prestressing the fibre reinforcement, such as asbestos fibre, during curing of resin tubing. The heated mandrel on which the pipe is wound is made of a metal possessing a high linear coefficient of thermal expansion, so that when the mandrel cools it shrinks to a greater extent than the resin. The asbestos fibre follows the shrinkage of the mandrel, rather than the lesser shrinkage of the resin. Thus the fibres put the resin under compression.

Impregnation of Light-Weight Concrete With Silicate and Thermoplastic Resins. No. 2,794,752. Granted on June 4, 1957 to B. J. M. Schmidt; assignor to Internationella Siporex AB, Stockholm, Sweden. A cellular concrete block made by expanding with aluminum powder a slurry of cement, lime, diatomite, and asbestos fibre is impregnated with silicate and thermoplastic resins to increase its tensile strength.

Health Muffler. No. 2,795,103. Granted on June 11, 1957 to G. Jenison. Asbestos fibre is used as a screen filtering material in this vehicle muffler that neutralizes poisonous CO_2 gas. The asbestos fibre may be mixed with foamed gypsum plaster to form a porous, cake-like mass.

Tobacco Smoke Filter. No. 2,795,227. Granted on June 11, 1957 to M. Seldeen. A tobacco smoke filter material can be made by applying a soluble zirconium compound in solution to a porous carrier base, for example asbestos fibre.

Inorganic Molding Composition. No. 2,795,510. Granted on June 11 1957 to J. S. Thompson; assignor to Parker Rust Proof Co., a corporation of Michigan. An inorganic, granular, free-flowing molding composition comprises chrysotile asbestos fibre and phosphoric acid. The fibres are sprayed with the acid

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We take raw asbestos and fashion it to the needs of a thousand and one different consumers. Closely controlled through all stages of manufacture, asbestos is converted into Fibre, Yarns, Tapes, Cloths, Rovings, Tubing and Webbing widely used for heat and electrical insulation. It is also fabricated into many different kinds of friction materials, including the world-famous Mintex brake and clutch linings.

BRITISH BELTING & ASBESTOS LTD.

Cleckheaton, Yorkshire, England

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and the material agitated until chemical reaction is complete. Flexural strength of the molded articles can be increased by adding to the composition a small percentage of aluminum metal.

U. S. RUBBER BREAKS GROUND FOR PHILA. BRANCH

United States Rubber Co. is investing a record 40 million dollars during 1957 in the expansion and modernization of its plants and branches, and Philadelphia occupies a prominent place in these plans, according to H. E. Humphreys, Jr., President.

U. S. Rubber's president, who is also a native son of Philadelphia, was in town to break ground for the company's new, modern branch and warehouse at Rising Sun and Adams Avenue in the Northeast section of the city.

U. S. Rubber will have a total investment of approximately 10 million dollars in Philadelphia when current projects are completed.

The new branch will represent a total investment of more than 5 million dollars including inventories and accounts receivable. It is expected to be finished next spring, and will provide faster, more efficient service to customers for tires, footwear, industrial rubber goods and other company products in the Philadelphia area, southern New Jersey and Delaware.

CAPE ASBESTOS COMPANY LIMITED
Annual Meeting

The Sixty-fourth Annual General Meeting of The Cape Asbestos Company Limited was held on June 12 1957 and reports and balance sheets as of December 31, 1956 were submitted.

The Chairman, Robert Walker reported an improvement on the results for the previous year. The Group profit for the year amounted to £1,707,540, compared with £1,542,636 in 1956.

The sales revenue of the Group in 1956 increased by approximately 13%. The proportion of turnover in manufactured goods which was shipped to export markets was approximately 22%. Something in excess of five million dollars was earned in sales, principally of crude asbestos, both Blue and Amosite to the North American Continent.

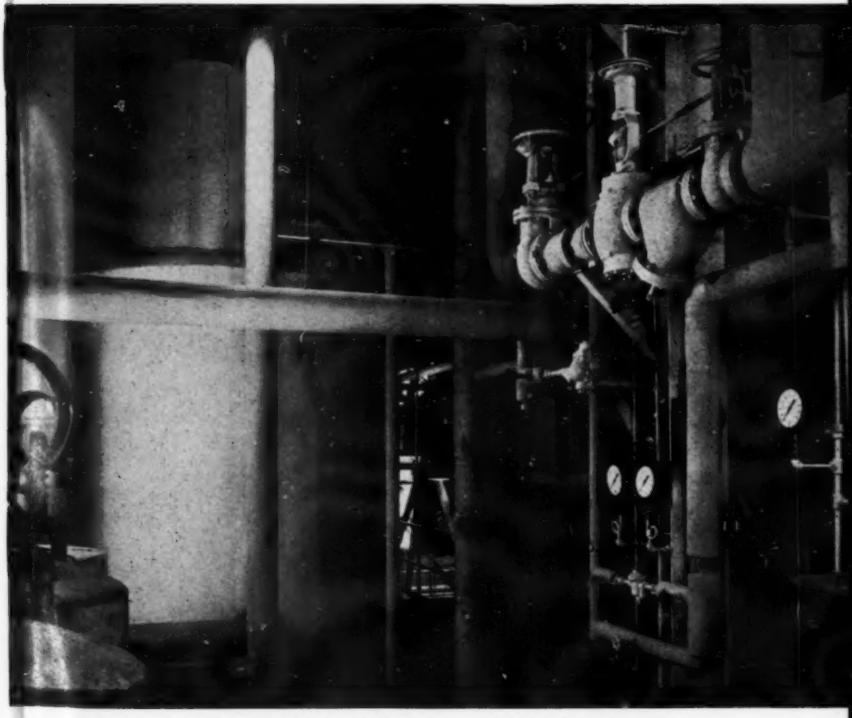
Both the North American Asbestos Corporation and Cape Asbestos (Canada) Ltd. have had a successful year's trading and are consolidating and extending their position in their respective countries. The manufacturing company, Caposite Insulations Ltd., formed jointly with Holmes Foundry Ltd. at Sarnia in Canada, has done well in its first year.

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ONLY APPROVED CONTRACTORS INSTALL EHRET INSULATIONS

The THERMALITE 85% Magnesia Insulation in this boiler room is typical of the faultless work of Ehret-approved contractors. Only men fully skilled in the application of Ehret products are entrusted with their installation. Result: Full insulating value and long, trouble-free service life with economical heating.

Standard inventories of THERMALITE are maintained by distributors in all principal cities. For the full story of this money-saving insulating material, see your Ehret Distributor or write direct for Bulletin 11C to the address below.



Typical THERMALITE installation. THERMALITE has unusually low thermal conductivity, is molded to exact shape, assuring tight joints and snug pipe fits essential for maximum heat economy.

SAVE HEAT WITH EHRET INSULATIONS

EHRET MAGNESIA MANUFACTURING COMPANY

VALLEY FORGE, PENNSYLVANIA

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SOUTHERN ASBESTOS — TEXTILES



SOUTHERN ASBESTOS COMPANY, CHARLOTTE 1, N. C.

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