ASBESTOS



APRIL - 1950

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"ASBESTOS"

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Estate of C. J. STOVER, *Proprietor*

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

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APRIL - The Easter Month

This year Easter falls on April 9th, making April the Easter month, which is as it should be because April is the month of new and awakening life.

Generally described as a month of showers and sunshine, we in this small corner of the world are hoping sunshine will predominate in April for we had an unusually showery March, with mostly cold weather as well.

The sunshine and warmer weather of April therefore, is very welcome and the only shadow to mar it is thrown by the vision to us country dwellers of lawnmowers, garden planting and all the rest of spring tasks, some of which are already upon us.

On the other hand the city dwellers lose a lot by not seeing the beauty of Spring's developing—birds calling (we saw robins the latter part of March) and the promise of the blossoms—apple, pear, peach.

Every season has its own beauties—each one in turn, Spring, Summer, Autumn, Winter—seems the most beautiful.

MACHINERY

Frequently we have mentioned that we are glad to supply information concerning asbestos or asbestos products. This is quite true and while we are often stymied by the questions asked, almost always someone in the Industry knows the answer and upon request gladly comes to our rescue.

In other words, if we do not know the answer ourselves, we know from whom we can obtain it.

There is one type of question, however, which we are not qualified to answer. Quite frequently someone writes us that they contemplate erecting a factory for the manufacture of some certain asbestos product, and would we please send them a list of the machinery required and where to purchase it.

We cannot imagine anyone about to go into the manufacture of any asbestos product, without having far more knowledge than we as to the various machines

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required. Besides, as most of you know, much of the machinery used in the making of many asbestos materials, is built to specification or blue print. If it is not, the names of the manufacturers of the various machines can be obtained from lists in large libraries or quite likely from advertisements in *engineering* magazines.

It would be utterly impossible for us to even attempt to keep such lists ourselves. In many cases, in fact, engineers are required to design not only the machinery itself, but the layout of the plants.

RUMORS - ASBESTOS

We have a notion of heading a section of "ASBESTOS" as "Rumors"! No doubt it would make interesting reading, if erroneous!

Some of the recent rumors reaching us are delectable bits of business gossip—some are undoubtedly true but we have not yet been able to trace them down and publish the real facts.

In any case we assure you we do *not* print rumors; we try to verify; if we fail, they are consigned to oblivion, in other words, the waste basket.

A most amusing instance of the rumor racket occurred a month or so ago when a newspaper clipping reached us which stated that a large asbestos producing company owned a mine in Australia and that Mr. Blank of that company had just returned from Australia where he had inspected the mine. We were fairly certain the firm had no connection whatever with an Australian asbestos mine (in fact there are very few asbestos producing mines in that country) and on writing Mr. Blank he assured us that he had never been to Australia for any purpose whatever. He also thanked us for not publishing such a silly statement.

It would seem sometimes, from our rather central position in the Asbestos Industry, that this Industry is somewhat more prone than others to manufacture stories which have little, if any, basis in fact.

Send us authentic news—we do not publish rumors unless we label them as such.

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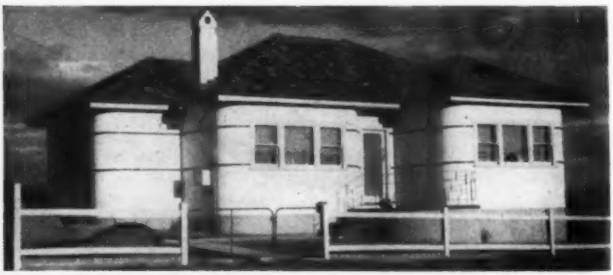
AUSTRALIA AND ASBESTOS-CEMENT PRODUCTS

How many of our readers know that Asbestos-Cement Roofing or Siding Shingles are not popular in Australia? In fact they are manufactured only in small quantities in that country and that despite the fact that flat and corrugated sheets are made there as well as high pressure water pipes.

The reason? In Australia is found a clay out of which tiles for roofing are made, and the Australians claim these tiles give a much better appearance because of their, we quote, "permanent colorings and shade effects." Furthermore the clay being obtainable locally, the tiles are less costly than Asbestos-Cement Shingles.

The tiles, are fixed to timber battens spaced at about double the distance necessary for Asbestos Cement 20" x 10" shingles, which means they can be applied at a much lower price than Asbestos-Cement Shingles.

Asbestos Cement flat sheets however, are used to some extent for external wall covering, and the photograph shows a small residence with Terra Cotta Tile roof, and Asbestos-Cement Sheets used horizontally on the sides, which practically everyone will agree gives a very pleasing effect.



Terra Cotta Tile on the Roof; Asbestos-Cement Flat sheets (used horizontally) on the Sides, giving a Pleasing Effect.

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Bird's eye view of service buildings adjoining J-M Mine at Asbestos, Quebec.

AFD

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Canadian Johns-Manville Limited
814 Sun Life Bldg. (Telephone: Marquette 2421) Montreal, P. Q., Canada

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REINFORCED ASBESTOS - CEMENT

The picture below is an "advertising pillar", in the city of Rotterdam, Holland, and is made, so we are told, of reinforced asbestos-cement.



The photograph was supplied by N. V. Ferrocal of Doesburg, Holland, who were responsible for the placing of several of the pillars, the firm having made them from their reinforced asbestos-cement by building them of three well fitted rings and a cap, all on a pedestal of reinforced concrete. The pillars are about 3.85 meters high (about 12½ feet) with a diameter of 1.35 meters (53 inches) and a wall thickness of 25 mm. or about 1".

This, however, is incidental, but the use of asbestos-cement in this manner seemed to be somewhat unique. Reinforced asbestos-cement is made by Ferrocal, and has been for 15 years, in the form of flat sheets, and recently they are recommending it for air-conditioning ducts. In fact as we understand it they make up the ducts themselves in many cases.

For the reinforcement of the asbestos-cement sheets they use a wire netting and they tell us they have covered their process for making them by patents in Holland, Great Britain and many European countries, in South Africa and Venezuela. Patents have been applied for in the United States. They claim an extra high strength results from the reinforcement of the sheets, which is especially desirable in air conditioning ducts.

Further information either as to the sheets or the ducts can be obtained by addressing J. J. Dimmendaal, Director, N. V. Ferrocal, Doesburg, Holland.

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K&M APAC ASBESTOS-CEMENT SHEETS

for this modern laundry

Modern design is carried out perfectly with K&M APAC, used for this smart Blue Ribbon Laundry building. Smooth and neat as the finest laundering, these APAC walls invite customers!

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DRAPERIES - of Asbestos Glass Fabric

Production of a new asbestos-glass fabric for curtains and draperies for public buildings was recently announced by United States Rubber Company, following the first installation of the product in a new movie theatre in Brooklyn, N. Y.

Designed to be decorative as well as fire-resistant, the new fabric is composed of glass yarns interwoven with the company's asbestos yarns known as Asbeston. The resulting fabric, it is claimed, will not support combustion, because of its high percentage of glass and asbestos fibres.

Initial use of the fabric has been made at Century's Brook theatre, Flatbush and Flatlands avenues, Brooklyn, one of the nation's most modern theatres. Here, the stage draperies, draw curtains and exit drapes, installed by a local contractor to the designer's specifications, are all made of Asbeston-glass. The drapes are a natural beige color which assumes violet, crimson and other shades when exposed to footlights and floodlights.

In addition to theatres, the drapery fabric is said to be ideal for school auditoriums, hospitals, libraries, ships, hotels, restaurants, night clubs, industrial offices and other places of public assembly.

Asbeston-glass is produced by U. S. Rubber Co. in the form of grey goods and is now available to converters for dyeing and printing in a variety of patterns and colors. The yarn is spun at the company's Asbeston plant at Hogansville, Ga., where it was developed as the result of wartime research on fire-resistant materials. The fabric is light in weight, extremely stable under atmospheric changes and has high strength, low stretch and good resistance to abrasion.

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WILLIAM B. MILLAR - Consultant

It is a pleasure to introduce to the Asbestos Industry, to many members of which there is no need of an introduction, William B. Millar, Consulting Mining Geologist.

Mr. Millar and his Associates, whose field headquarters are in Silver Bay, N. Y., are performing a real service for the Asbestos Industry. Perhaps the best way to describe a consulting service for the asbestos business is to outline some of the types of problems being worked on at present. These include:



William B. Millar

Detailed geologic mapping and magnetometer work (particularly where overburden interferes) to outline extensions of a large producing orebody and some suspected orebodies within the extensive property boundaries. A diamond drill program will follow:

Rearrangement of a fair-sized European mill and change in the open-cut mining procedure to allow for better quarry sorting and "mechanical sorting" in the early crushing stages of a relatively low grade ore.

Ore testing with laboratory equipment, some of special design, to increase the accuracy of forecasts of final mill recovery, such work being aimed at making drill cores more useful than is possible from simple logging however carefully done. Also continuous checking on tailings products, as is standard practice in mills processing metallic ores, to give asbestos mill operators a method of keeping tabs on mill efficiency.

Evaluations of ore samples from foreign sources which, coupled with enough descriptive information, make possible recommendations for development when this is warranted.

Field checking on work done by others (frequently very good work, but sometimes incomplete) on the

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principle that two or more independent view points are better than one.

Mr. Millar is a graduate of Massachusetts Institute of Technology, with post graduate work at Columbia University. Has travelled on behalf of one mineral or another extensively on four continents, including some seven years in Africa from Cape to Cairo. Asbestos became his chief interest in 1937 and has so remained to the present, the years 1937 to 1946 being happily spent as geologist for Johns-Manville Corporation.

TESTS ON 85% MAGNESIA

A recent test made on 85% Magnesia Insulation by the National Bureau of Standards used 85% Magnesia block of current manufacture, which weighed 13.2 lbs. per cu. ft. The test indicated a k-factor, or thermal conductivity value, of 0.39 at 130° F mean temperature. These values we understand are in close agreement with averages of the results obtained in numerous conductivity tests by the manufacturers on the current product. These averages were given as follows:

Mean Temp. F	k
100	0.39
300	0.45
500	0.51

The k-values cited are expressed in units of Btu per hour per square foot for a temperature gradient of one degree F. per inch of thickness.

"These values represent no sudden change", states Marshall F. Allen Manager of The Magnesia Insulation Manufacturers Association, who released the figures, "They are simply uptodate figures, representing steady improvement since the last Bureau of Standards tests were made some thirty years ago."

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WILLIAM B. MILLAR & ASSOCIATES

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ASBESTOS PRODUCTION
XV. Various Countries

This article completes the several published on production of asbestos, giving not only the figures for each country year by year but a brief account of the known deposits. These last few are at the present time unimportant from an asbestos producing standpoint but, who knows, they may be important some day.

Portugal. The only information we have on asbestos deposits in Portugal, was printed in our November 1923 number, to the effect that three concessions granted by the Portugal Government for working of asbestos mines in the parish of Vidiguevia at the base of Mount Portal. The fibre is said to be short and of low grade.

The figures given by the U. S. Bureau of Mines are as follows: (in short tons)

1943 — 106 tons
1944 — 36 tons
1945 — 20 tons
1946 — 12 tons

Switzerland. Asbestos Mines were worked during the first World War quite actively, producing 411 tons from July 1918 to April 1919. Deposits at Alp Quadrada near Poschiavo were worked from 1942 to 1946 and a total of 93 tons produced. The fibre was used for filters, we understand, by a plant at St. Gall.

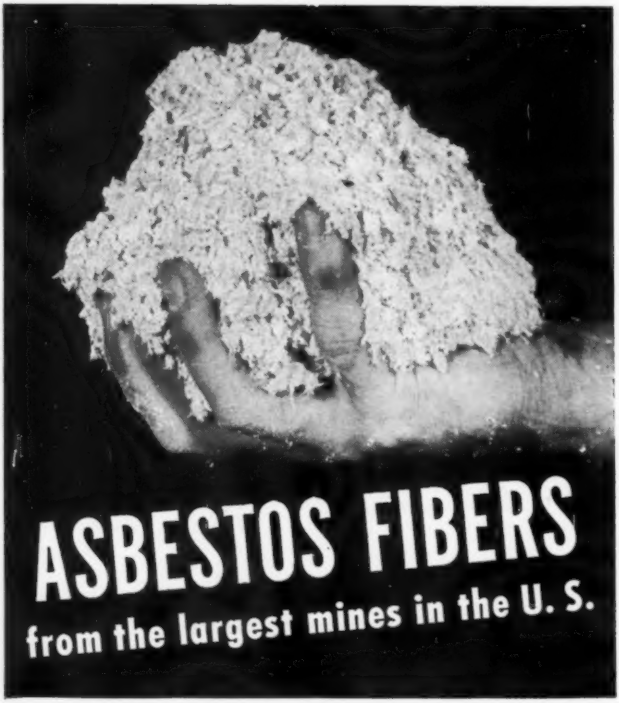
Production figures for Switzerland are given by the U. S. Bureau of Mines as

1942 — 7 tons
1943 — 12 tons
1944 — 8 tons
1945 — 39 tons
1946 — 44 tons

Spain. There is an extensive belt of asbestos bearing serpentine rock in the northwest of Spain of the chrysotile variety, and material picked up in the course of surface workings is reported to be of good quality, fine, and some of it spinnable length. Concessions are held by J. M. Roviralta of Barcelona.

Two other small deposits in LaGracia de Ares in the province of Lerida, which adjoins Catalonia, have been re-

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ported. About 66 tons were produced in three years but the product is said to be of doubtful quality and cost of production high, with a limited market for the material.

The U. S. Bureau of Mines reports the production for Spain only during the years from 1941 to 1943. Figures follow:

1941 — 2 tons
1942 — 93 tons
1943 — 55 tons

Turkey. So far as our records go, or that we can find in any publication for that matter, there is very little known in this country about production of asbestos in Turkey, but the U. S. Minerals Yearbook chapters report quite large quantities from 1938 to 1948.

A year or so ago we received a specimen of asbestos said to have been found in the Province of Kars, Turkish, Armenia, and upon being submitted to several asbestos fibre experts was pronounced "tremolite". We can find no record of this deposit having ever been worked.

The production figures above mentioned follow:

1938 — 736 tons
1939 — 97 tons
1940 — 109 tons
1941 — 161 tons
1942 — 325 tons
1943 — 147 tons
1944 — 258 tons
1945 — 152 tons
1946 — 60 tons
1947 — — tons
1948 — 224 tons

Our readers are urged to send us reports of new deposits, especially of chrysotile asbestos, in any country. Even the owners of the largest mines are constantly on the lookout for new deposits. New uses are constantly being found for anthophyllite and other varieties and it is quite within the range of possibility that these will become much more important commercially within the next few years.

Someone wrote us a week or so ago asking whether a satisfactory synthetic asbestos had ever been developed. But it is the real asbestos in which we are interested; to our mind there is absolutely no satisfactory substitute for the real, dug-out-of-the-ground asbestos.

Note: The Asbestos Production series of articles will be found in the following numbers of "ASBESTOS"—July, August, September, October and November 1948; January, February, March, April, May, July, October and November 1949; February 1950.

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A. S. T. M. COMMITTEE C-16 HOLDS THREE DAY MEETING

Committee C-16 on Thermal Insulating materials held a three day meeting on February 27, 28 and March 1, in connection with the A. S. T. M. Spring Group Committee meetings, leading off with meetings of the Planning and Executive Subcommittees.

Reports submitted by the several subcommittees generally denoted progress in the several types of materials covered by the Committee. Four new tentatives for block and pipe insulation have been prepared for presentation to the committee.

The Subcommittee on Structural Insulating Board was instructed to prepare a definition of this product either by describing its structural qualities or by its maximum conductance.

The first draft of tentative specifications for mineral wool felt, industrial batt insulations, and blanket insulations with metal mesh covering has been prepared. Two additional preliminary drafts have been prepared covering mineral wool blanket-type pipe insulation and mineral wool molded-type insulation. A test method for determining density of loose fill insulation is being reviewed by a subcommittee as well as a laboratory method of test for corrosion.

Two alternate proposed methods for measuring thermal conductivity of pipe coverings were discussed, and it is expected to have a proposed tentative ready at the time of the fall meeting. In the field of special thermal properties, proposed methods of test for specific heat and emissivity are being prepared with progress slow in setting the temperature limits on high-temperature block. A very comprehensive survey has been completed on the establishment of tolerances in pipe coverings in which some 40,000 readings have been taken. Tables and graphs have been prepared and action was approved to submit this information as a proposed recommended practice for dimensional standards for pipe coverings.

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A subcommittee has been appointed to plan a symposium consisting principally of papers on special thermal properties. This symposium will be presented at one of the A. S. T. M. meetings in 1951 and papers are being solicited. The fall meeting of the committee is planned to be held at the Berkeley-Carteret Hotel, Asbury Park, N. J., during the latter part of October.

The Officers of Committee C-16 are Chairman, Ray Thomas, Carbide and Carbon Chemicals Corp., So. Charleston, W. Va., and Secretary, W. L. Scott, Armstrong Cork Co., Lancaster, Pa.

TEMPCHEK
A New Insulation for High Temperatures

A new improved heat insulation in pipe covering and block form is now being made for temperatures to 1500° F.

It is known as Tempchek and is manufactured by The Philip Carey Mfg Co.

Tempchek consists of silicas, combined with asbestos fibres and bonding agents. It is said to be highly efficient, easily workable, forms tight joints, easy to apply, non-corrosive, rugged and permanent. It is recommended by the manufacturers for insulating superheated steam equipment in high temperature, high pressure power plants and for high temperature surfaces such as oil stills, ovens, boiler walls, breechings, furnaces and other equipment.

Three new colors—gray plain, green veneer with green granules, and buff veneer with red granules—have been added to Carey Asbestos-Cement Siding line, while in their American Method single coverage type roofing shingle they now have green, black, red, green blend and brown-red blend, all in the plain veneer.

Carey has also announced a white top Asbestos Cap Sheet for Built-up Roofing which reflects the light and heat of the sun, cools the building inside and makes the roof last longer, as it keeps the volatile oils of asphalt from drying out.

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85% MAGNESIA WITHSTANDS WETTING AND DRYING

Service Tales[1]

Heat insulation is sometimes exposed to excessive moisture, both in routine outdoor installations and under emergency conditions such as floods, etc. To be satisfactory under such circumstances, the material must not lose its insulating value or durability as the result of wetting and subsequent drying.

In a recent test at an industrial laboratory, it was observed that 3 days' water soaking, followed by 40 hour drying at 300° F. had no significant effect on the material. These results closely parallel those obtained in manufacturers' laboratories and have been corroborated by field experience, as demonstrated by a few typical instances cited below.

No. 1. A magnesia insulated steam line, jacketed with adhesive coated 8 oz. canvas, was installed underneath the outfitting dock at a shipyard in Portland, Oregon. Altho exposed to constant water drippage from the dock above, for 4 years the line delivered steam from the shore station, some 5,000 feet away, with no change in the temperature of the delivered steam. In 1948, it was completely submerged for three weeks during a flood. The line was not in operation at the time. The insulation was put into shape simply by drying it slowly with intermittent operation of the line.

No. 2. During the construction of a large power plant in the East, crates of 85% Magnesia were kept outdoors for 2½ years, due to conditions beyond control. The crates were soaked by storms and even covered with ice. Upon drying, the material was found to be perfectly satisfactory for application.

No. 3. At a naval base in Virginia, due to lack of space, crates of magnesia were stored under barracks buildings. A 3 day storm blew up and the insulation became so watersoaked that it was impossible to lift the

[1]Reprinted from the M. I. M. A. News, March 1, 1950, published by the Magnesia Insulation Manufacturers Association.

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HAIR FELT

FOR

Low Temperature Insulation

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1000 Maple Avenue

Lansdale, Penna.

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crates. The boxes were pulled apart, and the magnesia was allowed to dry in place. Except for stained canvas jacketing, the material was undamaged, and was subsequently applied to lines and equipment.

No. 4. In preparation for a job, a quantity of 85% Magnesia was stored in the basement of a school in Atlanta. During a rain storm, the drain became stopped up and the room was flooded. The insulation remained almost completely submerged for two days. When dry enough to move it was placed outdoors where the sun could dry it. The canvas jacket was rotted, but otherwise no damage was done. The insulation was used on exposed piping in class rooms and was in as good shape and appeared as neat as material that had not been wet.

• • • —

The 1950 edition of the ASHVE Guide has recently been issued by the American Society of Heating and Ventilating Engineers after a thoro revision. The Guide contains 1420 pages and is the largest ever published. There are 1024 pages of technical data and 396 pages covering the latest manufacturers' products.

Copies may be obtained from us at a price of $7.50, or is available from the society thru the office of the Secretary at 51 Madison Ave., New York 10, N. Y.

• • • —

Association of Consulting Chemists & Chemical Engineers, Inc., will hold a dinner meeting on Tuesday, April 25, 1950 at 5 P. M. at the Shelburne Hotel, 37th and Lexington Ave., New York City, Skyline Room, in the form of a symposium on "Professional Chemical Services by Consulting Associates and Individual Consultants". Letterhead reservations, enclosing a check for $5.50 per person to the order of the Association must be received at the Association's office, 50 E. 41st St., New York 17, not later than April 21st.

WANTED

Surplus quantities, at low prices, all descriptions of asbestos mitts and gloves. Please send sample. We return them. Hall Equipment Co., 114 N. Arlington St., Akron 5, Ohio.

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Asbestos-Cement
Building Products

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MARKET CONDITIONS

GENERAL BUSINESS.

Strikes continue to harass general business and there are many other uncertainties in the outlook, but for the most part demand for most commodities is good. As a result of cutting expenses, even in the face of rising costs, profits have held up well.

The National City monthly letter (for March) says: "Business statistics now available for January make good reading. One of the encouraging developments was an increase in new orders for machine tools to the highest figure for any month since August 1946. This gives preliminary support to predictions that the industries, while cutting back on plant expansion as compared with 1949, will be replacing and modernizing on at least an equal scale." We thought this a favorable indication.

ASBESTOS—RAW MATERIAL.

Demand for practically all grades remains high, exceeding supply in certain grades, and will continue high because most asbestos markets are firm with rising tendency.

Foreign demand also being high encourages the operation of traders. Increasingly large tonnages are being sold for export to foreign manufacturers. The urgency of demand is declining however.

ASBESTOS—MANUFACTURED GOODS.

Asbestos Textiles. Orders for asbestos textiles are keeping pace for the most part with last month with increases reported for certain lines. One firm believes 1950 will show a definite increase over last year.

Asbestos Brake Lining. The same comment, viz: that 1950 will surpass last year, is made on asbestos brake lining but by a different firm than the one reporting on textiles.

Asbestos Paper. Orders in this market have been holding their own during the first quarter but the second quarter is expected to be slower. *Saturated paper* shows fair demand but it is unlikely that it will equal production. Pipe line felt is active.

Asbestos Millboard. Equipment account business has

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AMERICAN ROOFER and SIDING CONTRACTOR

425 Fourth Avenue, New York City

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been good but commercial millboard slow. Equipment business is expected to increase but commercial millboard will probably show a decrease in demand from last year.

Insulation. High Pressure. The relationship between sales and production is reported back to normal; orders are being shipped promptly. Industrial maintenance work is fairly active, but there is a decrease in contract work. It is doubtful that orders will equal production.

Insulation. Low Pressure. This market is slow; jobbers are buying cautiously and not carrying any surplus stock. Volume in this line should be about 75% of last year.

Asbestos-Cement Products. A good year is expected in the sale of all asbestos-cement products. Residential construction is at a high peak and it is generally felt that construction activities in 1950 will equal or possibly exceed last year, which, says one correspondent, "accounts for our optimistic mood." New colors and methods of application as described elsewhere, are expected to boost demand. The market is naturally on the upswing at this season, but a good year all the way thru is expected.

Corrugated and flat are active and the second quarter should be better than the first altho demand not equal to production.

Demand for pipes is highly seasonal, which means that present volume is good in all lines—pressure pipe, sewer pipe and flue pipe. A good year in these asbestos-cement products is expected.

These comments were received from various executives closely in touch with the several asbestos products markets. All comments are welcome.

"Tropag"

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

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Importers of

ASBESTOS - ORES - MINERALS

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RAW ASBESTOS DEPARTMENT

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ELIMINATION OF CONSULAR INVOICES

Since 1942 it has been necessary in clearing fibre shipments across the border from Canada to the United States to arrange for preparation of consular invoices.

In accordance with U. S. Treasury decision 52,430 of March 13th, 1950, consular invoices will no longer be required. This ruling became effective March 17th; was published in the (U. S.) Federal Register, Section 815-1943-B. It will save Asbestos Buyers approximately $4.00 per car.

Previously total charges of $6.50 were made in clearing shipments across the border from Canada to the United States. These charges were forwarded on the waybill for payment at destination. Of this amount, $4.00 for preparation and certification of the consular invoice is now eliminated; the remaining customs charge is the $2.50 entry fee.

BUILDING

Setting a new alltime high for monthly construction volume, March's total of building and engineering contract awarded in the 37 states east of the Rocky Mountains, was $1,300,201,000, according to F. W. Dodge Corporation, fact finding organization for the construction industry. The former high record figure was $1,190,264,000 reached in June of wartime 1942. March's total was 67% ahead of the preceding month and 74% greater than the March 1949 total.

The quarter just closed also reached a new first quarter record, exceeding all previous first quarter totals in both dollar volume and physical volume.

Residential operations for the first quarter of 1950 aggregating $1,279,634,000 showed the largest first quarter increase more than doubling last year's total.

OFFERED

40 Ton J-M "Armaturo" Tape; widths of 2", 3", 4" and 6". New, factory packed in 50 lb. cartons. A cotton reinforced wire and cable wrap, also for use on pipe and ducts where heavy pull destroys regular tape. All or part offered far below cost. Send for sample. Hall & Co., 114 N. Arlington St., Akron, Ohio.

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PHILLIPS ASBESTOS MINES

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The World's Finest Fibre



DRAWER 71 **GLOBE, ARIZONA**

Mines and Mills in Gila Co., Arizona

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Africa (S. Rhodesia)

(Published by Rhodesia Chamber of Mines)

Tons—2000 lbs.

Production for November 1949	6,522.64 tons
Valued at	£327,439
Production for December 1949	6,262.51 tons
Valued at	£332,651
Total Production for the year 1949	68,896.53 tons
Valued at	£3,986,698

Canada

(Department of Mines, Province of Quebec)

Tons—2000 lbs.

Production January 1950	57,173 tons
Compared with January 1949	48,873 tons
Production February 1950	57,962
Compared with February 1949	26,148

(Note low production in February 1949 due to Mines strike).

United States

Preliminary estimate of asbestos produced in the United States during 1949 is set by the U. S. Bureau of Mines at 45,000 short tons. This compares with production in 1948 (actual figure) of 37,237 tons.

Union of South Africa

(Quarterly Information Report—Dept. of Mines)

	Production	3rd Quarter (July to Sept. Inclusive) Local Sales		Exports	
	Tons	Tons	Value	Tons	Value
Amosite	11,970	660	£ 8,474	12,384	£401,860
Anthophyllite	....	....	....	....	....
Chrysotile	2,394	744	28,849	2,034	99,266
Cape Blue	3,396	250	8,778	3,040	155,092
Transvaal Blue	2,444	25	1,075	2,989	178,115
	20,204	1,679	£47,176	20,447	£834,333

Spain. U. S. Mineral Trade Notes reports a production of asbestos in 1948 in Spain of 35 metric tons (38.6 short tons).

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LIGHT DENSITY TYPE
PABCO
PRECISION MOLDED
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"THE DEPENDABLE STANDARD — MODERNIZED"
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PIPE COVERING MADE IN SECTIONAL FORM
UP TO AND INCLUDING 18-INCH PIPE SIZE
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IN BLOCKS AND PIPE COVERING
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PABCO

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Imports into U. S. A.

(Figures by Bureau of Census)

Unmanufactured Asbestos—By Countries

	December 1949 Tons (2240 lbs.)
From Canada	49,817
S. Rhodesia	498
South Africa	2,211
Mozambique	517
Australia	44
	53,087
Valued at	*$4,059,844*

By Grades:

Crude No. 1 Chrysotile, Canada	53
Crude No. 1 Chrysotile, Rhodesia	47
Crude No. 2 Chrysotile, Rhodesia	22
Crude, Other, Chrysotile	
Canada	350
Rhodesia	429
South Africa	309
Mozambique	517
Crude—Blue	
Australia	44
South Africa	781
Crude—Amosite, South Africa	1,121
Textile Fibres, Chrysotile, Canada	1,654
Shingle Fibres, Chrysotile, Canada	7,388
Paper Fibres, Chrysotile, Canada	6,014
Fibres, Other, Short, Canada	34,358
	53,087

Manufactured Asbestos Goods:

	December 1949 Quantity (Lbs.)	Value
Asbestos Yarns		
United Kingdom	506	$ 455
Asbestos Packing—Not Fabric		
United Kingdom	217	116

(Continued on page 34)

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117 Martense Street,
Brooklyn, 26, New York

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

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Manufactured Asbestos Goods—Continued

	December 1949 Quantity (Lbs.)	Value
Asbestos Woven Fabrics—Other		
United Kingdom	2,262	2,563
Asbestos Brake Lining—Molded		
Canada	575	339
United Kingdom	27	52
Asbestos Cement Products, Not Impreg.		
Canada	7,469	398
Asbestos Manufactures, Other		
United Kingdom	..	418
Exports from U. S. A.	11,056	$4,341

(Figures by Bureau of Census)

Unmanufactured Asbestos:

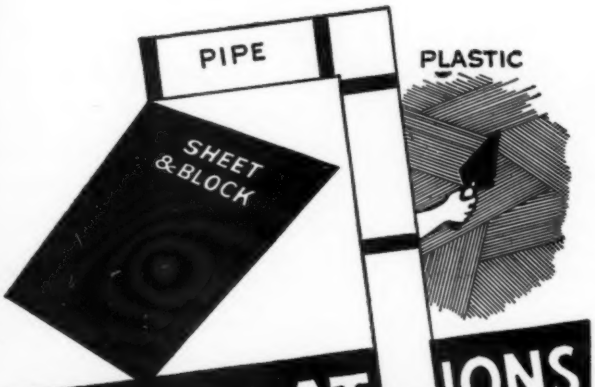
	December 1949 Tons (2240 lbs.)	Value
To Canada	27	7,673
Colombia	132	19,849
Mexico	111	24,660
United Kingdom	45	11,250
Austria	169	66,050
Belgium	91	24,157
France	87	22,968
Germany	884	190,224
Portugal	63	10,150
Switzerland	91	33,000
Denmark	134	47,250
Yugoslavia	450	131,653
Australia	135	22,140
New Zealand	269	32,836
Japan	171	56,693
Mozambique	35	6,414
Palestine	45	13,636
	2,939	$720,603

Exports from U. S. A.—Manufactured Asbestos Goods:

	December 1949 Quantity	Value
Asbestos Pipe Covg. & Cement ..... Lbs.	864,146	$ 88,650
Asbestos Textiles and Yarn ..... Lbs.	47,498	40,704
Asbestos Packing ..... Lbs.	141,928	122,617
Asbestos Brake Lng. (Mld.&S.Mld.) Lbs.	229,947	177,604
Asbestos Brake Lng. (Woven) ..... L. Ft.	46,453	26,987
Asbestos Clutch Facings ..... No.	70,776	36,318
Asbestos Brake Blocks ..... Lbs.	25,077	29,835
Asbestos Construction Materials ..... Lbs.	5,922,719	286,316
Asbestos Manufactures—Other	..	24,275
		$833,306

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The Trend Is Toward



INSULATIONS
By
NORRISTOWN

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EXPORTS FROM CANADA

(Published by Dominion Bureau of Statistics)

Unmanufactured Asbestos:

	January 1950 Tons (2000 lbs.)	Value
Crude		
United States	72	$ 35,235
United Kingdom	..	..
Australia	..	..
South America	..	..
Central America & Mexico	..	..
European Countries	..	..
Other Countries	..	..
	72	$ 35,235
Milled		
United States	12,347	$1,588,908
United Kingdom	1,590	172,803
Australia	..	..
South America	1,028	149,970
Central America & Mexico	230	32,173
European Countries	2,790	441,099
Other Countries	746	97,590
	18,731	$2,482,543
Shorts		
United States	33,069	$1,434,723
United Kingdom	992	34,837
Australia	..	..
South America	..	..
Central America & Mexico	..	..
European Countries	1,895	98,798
Other Countries	..	..
	35,956	$1,568,358
Grand Total—Unmanufactured Asbestos	*54,759*	*$4,086,136*
Manufactured Asbestos Goods:		
Brake Lining		$ 24,557
Packing		1,306
Other Materials		151
		$ 26,014

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EUROPEAN ASBESTOS

SPINNING, SHINGLE and PAPER FIBRE

also

SHORTS and 8S

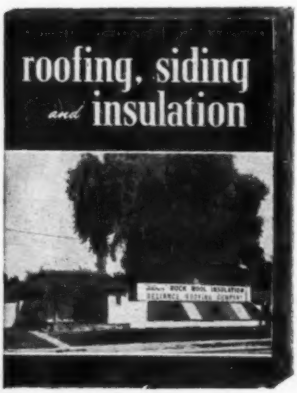
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IMPORTS OF ASBESTOS BY UNITED KINGDOM

Raw Material

	February 1950 Tons (2240 lbs.)
From Union of S. Africa	928
Southern Rhodesia	1,329
Bechuanaland, Basutoland and Swaziland	1,180
Canada	2,218
Other Commonwealth Countries and the Irish Republic	60
Foreign Countries	7
	5,722

Of these 5,722 tons, 3,344 tons were of the Chrysotile variety; 2,378 tons of other varieties.

Tabulation supplied by Mining Journal Ltd. of London.

AUTOMOBILE SALES

	February 1950
Passenger Cars	385,025
Motor Trucks	89,668
Motor Coaches	133
	474,826

Total sales for February 1949 were 426,665.

These figures cover only cars made in the United States.

Source: Automobile Manufacturers Association, Detroit 2, Michigan.

STOCK'S UNIVERSAL PIPE MAKING MACHINE

now in 3 sizes and FULLY AUTOMATIC. Makes Asbestos-Cement Pressure Pipes with or without sockets. Sewage and Rainwater Pipes with Sockets.

ALL DIAMETERS (2" to 40")
ALL LENGTHS (6' to 20')

ALL PRESSURES (50 to 200 lbs. per sq. inch and High Pressure Pipes class 1000 lbs. per sq. inch)

Simple in operation, can be seen working in Venice, Italy. Quick deliveries. (5 Pressure Pipe Plants on order.) American and British Patents applied for.

ALSO MODERN ASBESTOS OPENERS, STEEL MANDRELS, SHEET MAKING PLANTS AND ACCESSORIES.

STOCK'S ENGINEERING CO. (Inc. DURITE TECNICA)
24 Via di Cavana, Trieste, Italy
Cables: STOCKSDURITE—TRIESTE

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ASBESTOS FIBRE

All Various Grades

A NEW MODERN ASBESTOS PLANT
WITH REVOLUTIONARY EQUIPMENT

Your inquiries are invited.

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NEWS OF THE INDUSTRY

BIRTHDAYS

P. O. Baker, District Manager, Asbestos Textile & Packing Division, Raybestos-Division, Raybestos-Manhattan, Inc., Providence, R. I., April 18th.

Lorne Bain, President, Atlas Asbestos Company Ltd., Montreal, P. Q., Canada., April 19th.

Alvan D. Simpson, President, Asbestos Erectors, Inc., Bound Brook, N. J., April 19th.

George A. MacLellan, Managing Director, George MacLellan & Co., Glasgow, Scotland, April 19th.

Guy H. Montmartin, President, Alpine Mining Corporation, New York City, April 21st.

H. J. Dowd, Vice President, Smith Asbestos Products, Inc., Millington, N. J., April 22nd.

Howard C. Josephson, Russell Asbestos Corporation, Northfield, Vt., April 23rd.

J. Carroll Johnston, President and Treasurer, Atlas Asbestos Co., North Wales, Pa., April 28th.

Merlin W. Simon, Secretary, Sprinkmann Sons Corp., Milwaukee, Wis., April 30th.

Donald H. Spicer, President, World Bestos Corporation, New Castle, Ind., April 30th.

Richard H. Jaffer, President, York Insulation Company, Inc., Hillside, N. J., May 1st.

R. G. Bennett, Roofing Manager, A. H. Bennett Co., Minneapolis, Minn., May 4th.

S. E. Josi, Director, Johns-Manville Co., Ltd., London, England, May 5th.

Geo. S. Fabel, President, Southern Asbestos Co., Charlotte, N. C., May 7th.

Robert B. Davis, General Manager, Raybestos Division, Raybestos-Manhattan, Inc., Bridgeport, Conn., May 8th.

C. G. Dandrow, Vice President, Johns-Manville Sales Corporation, New York City, May 12th.

L. M. Cassidy, Vice President, Johns-Manville Corp., New York City, May 13th.

H. Whittaker, Director, Cape Asbestos Company, Limited, London, England May 14th.

L. T. Bennett, Vice President, A. H. Bennett Co., Minneapolis, Minn., May 14th.

A. M. Ehret, Sr., Chairman, Ehret Magnesia Mfg. Co., Valley Forge, Pa., May 15th.

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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:

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ROVINGS **POWDER** **CLOTHS**
PROCESSED FIBRES

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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
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ARNOLD W. KOEHLER
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TELEPHONE—VANDERBILT 6-1477

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Birthdays—Continued

Sumner Simpson, Chairman, Raybestos-Manhattan, Inc., Bridgeport, Conn., May 17th.

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

SAMUEL P. MOFFIT
His Death Means a Real Loss to the Industry

Samuel P. Moffit, Executive Vice President and a Director of The Ruberoid Co., died on March 14th, after a long illness. Mr. Moffit was only 53 years of age. He had been associated with The Ruberoid Co. in important capacities for the past twenty years and had been connected with the building products and allied industries all of his working life.

After graduation from high school in Philadelphia, he studied engineering at Drexel Institute.

He was first employed in Philadelphia in 1915 by the Ehret Magnesia Mfg. Company; in 1917 joined the sales department of the American Insulation Company. In 1926 he became sales manager of Eternit, Inc., of St. Louis, Mo., large scale producers of asbestos-cement shingles and sidings.

He became associated with The Ruberoid Co. in 1930, first in a general administrative capacity and later as assistant to the President. In 1936 he was elected a Director and Vice President in charge of sales, and in 1945 Executive Vice President.

Mr. Moffit always took an active interest in the trade organizations of the building products industry as a whole and served for six consecutive years—from 1940 to 1946— as President of the Asbestos Cement Products Association.

No man in the Asbestos Industry was more respected and universally liked than Mr. Moffit and his loss means a real loss, not only to The Ruberoid Company but to the Asbestos Industry as a whole.

CONSOLIDATED ASBESTOS
CORPORATION MOVES.

The Consolidated Asbestos Corporation, of which J. G. Tyson, Jr., is President, has moved its base of operation in the spinning of asbestos, to Sellersville, Pa. They were formerly located at Lansdale, Pa.

NATIONAL ROOFING CONTRACTORS' ASSN.
Elects Officers

The following officers were recently elected by the National Roofing Contractors' Association: President, Gordon Waters Rocky Mount, N. C.; Secretary-Treasurer; Wilson S. Pennock Chicago; Executive Secretary, James McCawley, Chicago.

The Executive Office is located at 315 W. Madison St., Chicago 6, Ill.

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NORTH AMERICAN
MINERAL & ASBESTOS CORP.

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OF ALL GRADES AND VARIETIES

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RAYBESTOS-MANHATTAN, INC.
Annual Report

Annual report of Raybestos-Manhattan, Inc., for 1949 shows net income of $2,047,360, or $3.26 per share of capital stock outstanding, compared with $2,563,509 for 1948, or $4.08 per share. Net sales in 1949 were $48,770,486 compared with net sales of $57,331,789 for 1948.

Detailed figures follow:

	Year 1949
Net Sales	$48,770,486
Costs and Expenses, such as materials, employees' compensation, Federal, State and local taxes, dperication of buildings and machinery, etc.	47,136,118
Operating income	1,634,368
Other income, such as discounts, interest, dividends, royalties, etc.	412,992
Total earnings	2,047,360
Dividends	1,334,688
Balance added to Surplus and Invested in the Business	$ 712,672

See April 1949 "ASBESTOS" (page 44) for 1948 annual report.

BATES RANEY WILL LECTURE AT PUBLICITY CLUB

Bates Raney, of Johns-Manville Corporation public relations department and Public Relations Consultant to the National Press Photographers Association, will be a guest lecturer on Tuesday evening, April 18, in the course being given by the Publicity Club of New York at the Hotel Shelton. His subject will be publicity programs to celebrate major company events.

Prior to joining Johns-Manville's public relations organization, Mr. Raney was for several years a foreign correspondent for the Associated Press and other organizations. He also held editorial and photo executive posts and was a political writer with United Press, Scripps-Howard Newspapers and other publications.

He is a member of the National Press Club, the Armed Forces Public Relations Association, the Overseas Press Club and the Public Relations Society of America.

ARTICLE—By W. A. RuKeyser

"New Uses for Low-Priced Fibers Vital to Canadian Asbestos" is the title of an article in March 1950, Engineering and Mining Journal by W. A. RuKeyser, Consulting Engineer. It is illustrated by graphs, and covers the present status of the Asbestos Industry and the reasons therefor. It is recommended reading for anyone interested in the Raw Material of the Industry. Copies of the Engineering and Mining Journal may be obtained at the price of 50c by writing the Publishers, McGraw-Hill Publishing Co., Inc., at 330 West 42nd St., New York 18, N. Y.

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of

RAW ASBESTOS

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Every Use

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AMOSITE
AMPHIBOLE FIBRES

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RHODESIA
SOUTH AFRICA

●

Large Capacity Fiberizing and Grading Plant

451 Communipaw Ave. **Jersey City, N. J.**

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THE PHILIP CAREY MFG. CO.
Annual Report

The Philip Carey Mfg. Co. reports net profits for 1949 of $2,556,306 compared with $3,018,277 in 1948.

Consolidated net sales for 1949 were $39,902,929, compared with $45,180,477 in 1948.

Detailed figures are given below:

	Year 1949
Net Sales	$39,902,929
Cost of Goods Sold	30,593,135
Gross Profit	9,309,794
Selling, Administrative and Research Expense	4,607,620
Profit from Operations	4,702,174
Other Income Credits	67,224
Gross Income	4,769,398
Income Charges	547,092
Net Income before Provision for Income Taxes	4,222,306
Provision for Federal, State and Canadian Income Taxes	1,666,000
Net Income for Year	$ 2,556,306

See April 1949 "ASBESTOS" (page 42) for 1948 Annual Report.

Dividends in 1949 amounted to $5.00 per share on Preferred Stock and $1.60 per share on the Common Stock.

ASBESTOS CHAPTER—
Reprint from 1948 Minerals Yearbook

The U. S. Bureau of Mines has recently issued the Asbestos Chapter (authors of which are G. W. Josephson and F. M. Barsigian) of the Minerals Yearbook for 1948.

This contains salient statistics of the Asbestos Industry in the United States, including a table of World production of Asbestos, 1943 to 1948 inclusive.

The Chapter is obtainable for 5 cents from the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C.

It is a desirable pamphlet to add to your Asbestos Library.

J. H. SETINSKY ELECTED
Vice President Flintkote

J. H. Setinsky, who has been in charge of manufacturing for The Flintkote Company for several years, has recently been elected a Vice President.

Mr. Setinsky is an Engineering graduate of the University of Illinois. He joined The Flintkote Company in 1944 as an executive of its Pioneer Division, Los Angeles, Calif., and has been actively associated with the building materials industry for the past 25 years.

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T. K. MIAL PASSES AWAY

T. K. Mial, retired former Vice President for New Business Development, of Johns-Manville, died February 5, of a heart ailment. He had taken leave of absence from the company September 1948, acting on his physician's advice and had retired shortly afterward.

All but four years of Mr. Mial's business career were spent with Johns-Manville. His first job with J-M was selling industrial and power products in Pittsburgh in 1917. Due to his energy and ability, his progress thru the sales organization was a steady one, and he contributed substantially to the building of what is now the Industrial Products Division, of that firm.

L. M. CASSIDY SPEAKS
Before Industrial Advertising Association

L. M. Cassidy, Vice President for Sales, of Johns-Manville Corporation, spoke at a luncheon meeting on March 13th, of the Industrial Advertising Association of New York, the meeting being held at the Belmont Plaza Hotel, New York City.

LEWIS H. BROWN SPEAKS ON "AMERICANS, SPEAK UP" PROGRAM.

America's Future, Inc., is producing a series of weekly radio programs entitled "Americans, Speak up!" designed to halt the march toward socialism in the United States and resell the merits of private enterprise. These programs are transcribed weekly interviews between distinguished Americans from many walks of life.

A recent program featured Lewis H. Brown, Chairman of Johns-Manville and also Chairman of the Executive Committee of the Tax Foundation. His subject was "Hidden Taxes."

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.

Refractory Insulating Brick. No. 2,499,229. Granted on February 28, 1950, to Adam S. Rankine, Jr., of Martinsville, N. J. Assignor to Johns-Manville. Application October 4, 1947. Serial No. 778,029. (Not asbestos)

Apparatus for Securing Lining Material to Brake Shoes. No. 2,498,937. Granted on February 28, 1950, to H. B. Barrett, St. Louis, Mo. Application February 15, 1947. Serial No. 728,762.

Gasket Making Machine. No. 2,499,681. Granted on March 7, 1950, to William R. Price, Wayne, Pa. Assignor to Flexitallic Gasket Co., Manville, N. J. Application February 5, 1947. Serial No. 726,581.

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OLD TERMS AND NEW TERMS

A Lesson in Selling

When my son was studying salesmanship in high school, he brought home a magazine on the subject, lent him by the instructor. The featured article, written by a college professor, was devoted to "altruistic salesmanship".

The phrase was new, but the idea was very old. Every good salesman understands it. It is simply good old-fashioned salesmanship! Doing something for the other fellow! *Thinking of the other fellow* in all relationships.

Take adjustments. It's good old-fashioned salesmanship—or new-fangled "altruistic" salesmanship—to be generous when adjustments must be made. Personally I've always carried with me a small stock of novelty gifts—ball pens, telephone indexes, etc.,—and when an adjustment has become necessary, I've always found an opportunity to leave a little gift on the customer's desk. Just a little goodwill maker.

The old-fashioned idea was always to treat a customer as a neighbor and friend. I always aim to remember who has a son in college, a daughter about to be married, a new grandchild, etc., and make an interested inquiry each time I call.

Our boys studying Business Administration are going to learn lots of new-fangled terms, but boiled down, they'll be the old-fashioned spinach served under a new name!

An "enterprising spirit" is nothing else but having good, old-fashioned hustle! A hustler was one who made good because he worked mighty hard on his job—not because he was sharp or tricky. Today such a man would probably be said to be one who used high-pressure methods.

Today they talk of "over-statement". "A good salesman will not be guilty of overstatement", they say. It

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SERVING THE EXPORT MARKETS

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WE INVITE YOUR INQUIRIES

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meant the same in the old days when folks said "You can trust Bill. He won't brag up his product unless it's absolutely right."

By all means watch for new ideas in selling, but don't be fooled into thinking that the old ideas—many of them—have been thrown into the discard. They've just been polished up a bit, and given a new name!

AFTERTHOUGHTS

¶ We understand that deposits of asbestos have been found in northern Saskatchewan at Reindeer lake and Ruth lake, but up to the present time the reports on these discoveries are not favorable.

¶ Ironically enough, apropos of our editorial (on page 4) there seem to be more than the usual number of rumors this month.

¶ Asbestos-Cement, Asbestos-Glass, 85% Magnesia, Asbestos Production, Insulation all are the subject of interesting articles in this issue. These with the usual statistics, news, patents, etc., make quite a diversified number.

¶ The elimination of Consular Invoices (see page 28) is a real help, to exporters and importers alike.

¶ A Princeton student took Asbestos as the subject of his graduating thesis and we were able to direct him to quite a bit of information, statistics and data. Here's hoping it helps him to graduate with honors.

¶ From Business Action (Report from the Chamber of Commerce of the U. S.): "Business is not helped by the existing uncertainty over tax reform."

WANTED

Mining Superintendent. With asbestos mining and milling experience. Must speak French, be willing to work in Europe. Single or married; good working and living conditions. Address: Box 10A-N, "ASBESTOS", 808 Western Saving Fund Bldg., Phila., 7, Pa.

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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

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

Asbestos—The Silk of the Mineral Kingdom, by Oliver Bowles. 40 pages about asbestos, from mine to finished 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.

Order any of the above from "ASBESTOS", 808 Western Saving Fund Bldg., Philadelphia 7, Pa. Postage stamps acceptable for amounts less than $1.00.

The plants manufacturing asbestos in more than 10 European countries await your offer thru the special periodical
Rubber and Asbestos

Send for specimen copies and the favorable prices of advertisement at our representatives in U.S.A.:

H. J. Wandless Company, Inc.
205 East 42nd Street, New York 17, N. Y.

A. W. Gentner - Verlag, Stuttgart
Germany

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CURRENT RANGE OF PRICE

As of April 10, 1950

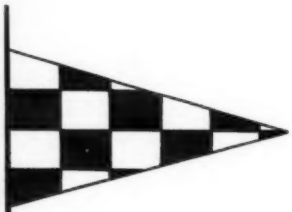
	Per Ton (2000 lbs.) f.o.b. Mine	
Canada—		
Group No. 1 (Crude No. 1)	$960.00 to	$1,050.00
Group No. 2 Crude No. 2; Crude Run-of-Mine and Sundry	400.00 to	550.00
Group No. 3 (Spinning Fibre)	232.00 to	425.00
Group No. 4 (Shingle Fibre)	95.50 to	141.00
Group No. 5 (Paper Fibre)	78.50 to	88.00
Group No. 6 (Waste, Stucco or plaster		58.00
Group No. 7 (Refuse or Shorts)	28.00 to	52.00
Vermont—		
Per Ton of 2000 lbs. f.o.b. Hyde Park or Morrisville, Vt.		
Group No. 4 (Shingle Fibre)	$111.50 to	$124.00
Group No. 5 (Paper Fibre)	79.00 to	96.50
Group No. 6 (Waste, Stucco or Plaster)		59.00
Group No. 7 (Refuse or Shorts)	28.50 to	52.50

ASBESTOS STOCK QUOTATIONS

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

		March 1950		
	Par	Low	High	Last
Armstrong Cork (Com.)	np	49	52½	50¾
Armstrong Cork (Pfd.)	np	100⅛	102¼	102
Armstrong Cork (Conv. Pfd.)	np	111	114½	113½
Asbestos Corp. (Com.)	np	25	26½	26
Asbestos Mfg. Co. (Com.)	1	1⅛	1⅜	1½
Celotex (Com.)	np	18¼	20	18⅜
Celotex (Pfd.)	20	17	17¼	17¼
Certainteed (Com.)	1	16⅝	18	16¾
Flintkote (Com.)	np	29¼	32⅜	30¾
Flintkote (Pfd.)	np	103¾	104¾	104
Johns-Manville (Com.)	np	46¼	49½	47⅞
Paraffine (Com.)	np	16¼	18	17
Paraffine (Pfd)	100	97¾	103½	102
Ray-Man (Com.)	np	27⅞	29¼	28½
Ruberoid (Com.)	np	54½	58⅜	55½
Thermoid (Com.)	1	6	7	6⅛
Thermoid (Pfd.)	50	38½	40¾	40½
Union Asb. & Rub. (Com.)	5	12⅛	12¾	12⅜
United Asbestos (Com.)	1	52c	59c	53½c
U. S. Gypsum (Com.)	20	116	123½	117
U. S. Gypsum (Pfd.)	100	186	189	186
U. S. Rubber (Com.)	10	39⅞	44¼	40¾
U. S. Rubber (Pfd.)	100	129⅞	133¾	131¼

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EMERGENCY

In every organization there comes a time when new ideas must be developed into finished products with the greatest possible speed. The R/M research and development departments stand ready at all times to help in the creating and testing of new products in which asbestos plays a part. For more than half a century this organization has pioneered in putting asbestos to work in new ways.

RAYBESTOS-MANHATTAN, INC.

Asbestos Textile Division · Manheim, Pa.

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

RAYBESTOS-MANHATTAN, INC., Manufacturers of Asbestos Textiles Packings • Mechanical Rubber Products • Abrasive and Diamond Wheels Brake Linings • Brake Blocks • Clutch Facings • Fan Belts • Radiator Hose Rubber Covered Equipment • Powdered Metal Products • Bowling Balls

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SOUTHERN ASBESTOS

TAPE

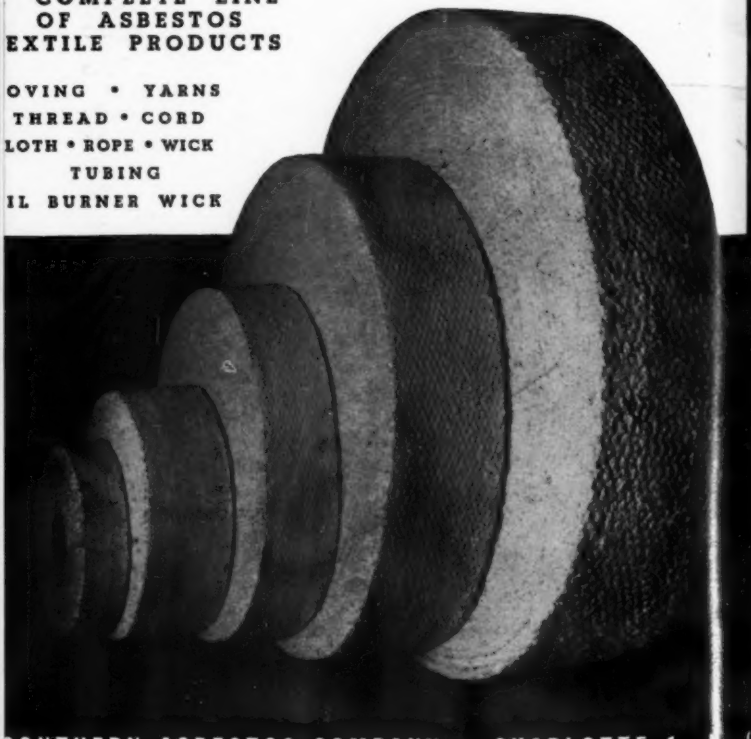
Southern Listing Tapes are flame proof. Flexible, uniform weave, width and thickness assures superior service and insulation. High tensile strength insures efficient application.

Two types—Ferrous for general insulating purposes and Non-Ferrous where a material with very low iron content is essential. Write for illustrated Folder No. 1008.

Over 25 years of specialized experience in Asbestos Textiles and Textile Products is at your service at Southern Asbestos. Our technical and production facilities are available to help you improve old and develop new uses for asbestos fibre and textiles.

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