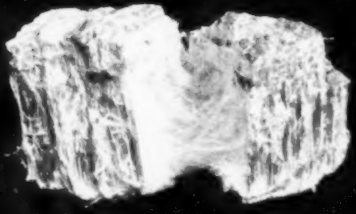
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... ASBESTOS ...

A MONTHLY MARKET JOURNAL

DEVOTED TO THE INTERESTS OF THE ASBESTOS AND MAGNESIA INDUSTRIES

A. S. ROSSITER - - EDITOR

PUBLISHED BY

C. J. STOVER

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Backward!

By The Editor

Nineteen Twenty-Nine in the Asbestos Industry has been a year of marked progress.

We, meaning the Asbestos Industry, have taken a few steps forward; we have added to our plants, we have added to our line of products; we have developed new asbestos deposits; we have merged some of our firms, thus eliminating duplication of expense—yes, I think we may fairly say that we have progressed tremendously!

In reviewing the year there were a number of events of primary importance; in fact it is hard to decide which to mention first.

Probably one of the most interesting was the entrance of Dr. R. V. Mattison into the Arizona Asbestos field—he who had always been so exclusively loyal to Canada. The Doctor is most enthusiastic about his Bear Canyon Asbestos Mine and his confidence in the possibilities of Arizona Asbestos has greatly increased since this time last year.

Another significant step in the Asbestos Mining end of the Industry was the acquisition of an Amosite mine by Turner & Newall, thus stamping Amosite asbestos with the approval of the largest asbestos firm in the world.

And while mentioning the Asbestos Mining field, we must not forget the development of an Arizona Mine by the Emsco Asbestos Company, nor the opening up of the Nicolet property by United States interests, nor the many new asbestos deposits being developed in Africa, altho so far only a very few of these new African deposits are on a firm footing.

An important event in the African Mining District was the completion of the Aerial Ropeway, connecting the New Amianthus Mine with Elandshoek Station on the Pretoria-Delagoa Bay main line, thus greatly cheapening the cost of placing the Amianthus output on rail.

Nineteen twenty-nine has been especially marked because of the several very important mergers of asbestos firms. Raybestos Company, Manhattan Rubber Company and the United States Asbestos Company into Raybestos-

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Manhattan, Inc.; the merger of Thermoid Company and the Southern Asbestos Company, that of the Atlas Asbestos Company and the Dagnall Asbestos Company, and finally, the very recent one of Turner & Newall and the Rhodesian & General Asbestos Corporation—all of these will undoubtedly result in benefit to the whole Industry.

We find, in reviewing the events of the year, that at least nine manufacturers of Asbestos materials built either additions to their plants or entire new plants; and at least five distributors of asbestos products built or purchased new warehouses, or made additions to old ones. Progress!

The Johns-Manville Corporation purchased several firms and added new products to its building material line, planned for the distribution of at least three other new products, and is proceeding rapidly with plans to manufacture asbestos cement pipes in the United States.

Probably the most important development was the increased manufacture of Molded Brake Lining, and the later swing back to woven lining, by the development of special woven types. Some manufacturers believe that Molded Lining has had its heyday, and that henceforth special woven, or, as some term it, molded woven brake lining will be the type in most demand. Personally, we prefer to withhold opinion until just a little later, when the trend one way or the other will be more plainly indicated.

The development of a machine for the manufacture of aircell covering is we believe, of sufficient importance to mention in this retrospective summary, even tho it isn't quite ready to be placed on the market. It does, we believe, denote progress.

Altho the Asbestos Industry has progressed most satisfactorily during 1929, it has lost some of its recognized leaders thru the death angel. Theodore F. Merseles, President of Johns-Manville Corporation, whose death occurred on March 6th; J. W. Mooney, President of Johnson's Company of Thetford Mines, on March 26th; W. G. Ross, President of Asbestos Corporation Limited on April 15th; and L. B. McMillan, Engineer, Johns-Manville Corporation, who was killed while flying his own plane, on August 10th.

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There must also be recorded in our annals, the deaths of several others, two of whom, F. F. Turner and R. Willis Lysle, were veterans in the insulation industry.

While it is always entertaining to glance backward and see what we have accomplished during the past year, perhaps the future, and discussion pro and con, of its possibilities and probabilities, holds even greater interest. This discussion of future potentialties, however, we will leave to various leaders in the Asbestos Industry, who by study of past and present, venture to express an opinion as to the outlook for 1930.

Forward!

Comments made by prominent men in the Industry (in the United States only) on the outlook for 1930, and published in the order of their receipt

A. W. Koehler, Sr., President,
Asbestos Textile Company, New York City.

1930 looks like a good year for the Asbestos Industry. I am not a Babson, but if we study the facts and guide ourselves by the beacon lights, we should have fairly easy sailing.

Retail sales have been fairly well maintained the last few months but production has been universally curtailed so that shelves will be nearly empty after the first of the year. I don't think that business for the first quarter of 1930 will be above last year, but I do think the spring will be better than last year and it is my opinion that the last half of 1930 will run far in excess of 1929. I would suggest that, as an industry, we should endeavor to continually improve our product, trying to make a better quality rather than a cheaper one.

During the war, when it was thought that there would be a scarcity of asbestos, every laboratory in the country was experimenting, without results, to find a substitute for it. It is now well known that there is nothing to take the place of asbestos.

There are a great many uses for our product which will, in time, be discovered. Cheapening a product in-

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Carey

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THE PHILIP CAREY COMPANY
Lockland, Cincinnati, Ohio

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variably has a tendency to lose the public interest. When beer was sold at 10c a bottle, it was not as much sought after as it is today at 75c a bottle.

Let us not be too greedy, realizing there will be enough business for all to get a reasonable amount at fair prices. Make 1930 a banner year for the Asbestos Industry—as all signals seem to indicate.

B. T. Conwell, President,
Eternit, Inc., St. Louis, Mo.

I believe that business in general is in a more healthy condition now than it was a year ago, due principally to the fact that more money and human effort will be devoted to legitimate business since the stock market crash.

Our own business will improve in 1930, I believe, because we manufacture materials which are absolutely essential from the standpoints of durability, safety, economy and beauty.

A. K. Burgstresser, President,
Norristown Magnesia & Asbestos Co.

With the many new uses being found for asbestos and the fact that great things are being planned for 1930 in the industrial world, it would seem that the asbestos industry's prospects for 1930 should be very good. I do not believe the early months of the year will demand more than natural production but I believe the industry, as a whole, will greatly benefit later in the year and enjoy a very satisfactory volume.

Lewis H. Brown, President,
Johns-Manville Corporation.

Johns-Manville looks confidently toward the future, firm in the conviction that fundamental business conditions are sound. It is our belief that our corporation will enjoy one of its most prosperous years in 1930 and that the whole industry will undoubtedly have an equally satisfactory year.

S. Simpson, President,
Raybestos-Manhattan, Inc.

At present, no doubt, our industry as a whole is not as prosperous as some others, but this will, I believe, be only

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From

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FINISHED PRODUCT

Johns-Manville carries on the entire manufacturing process of asbestos. Mines in Arizona and Canada, thirteen factories located strategically across the continent and branch offices in all large cities cooperate in the supreme idea of service.

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Johns-Manville

CORPORATION

EXECUTIVE OFFICES: NEW YORK

Branches In All Large Cities



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temporary, as the fundamental conditions all thru the industry are sound.

It appears to be the consensus of opinion that there will be a falling off in the production of new cars. The losses to suppliers of materials to car manufacturers should be compensated for, to some extent, by an increased business in the replacement field.

Many evils and bad conditions have gradually crept into the manufacturing and distributing methods during the past years, and now is the time to correct them for the best interests of all.

Many will say "Give me business, regardless," but personally I think you can do a profitable business on a smaller volume. Customers' stocks are not large. The south and southwest are going to spend large sums for good roads. The farmers are not now speculative farm borrowers, but are on a better business basis and 1929 will show many profits where previous years produced losses.

The basic industries are sound and credit is satisfactory and our industry will reflect these conditions.

C. W. Bunker, Treasurer,
Multibestos Company, Walpole, Mass.

Present indications would point to a slow and gradual recovery from the period of inactivity which has been in force for the last six weeks.

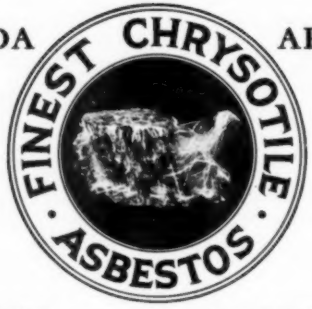
I believe that the automobile manufacturers, starting from the latter part of January, will gradually increase schedules to a normal production considerably below the high peaks of 1929. These production schedules will be somewhat tempered by the general improvements in business thruout the country.

The progress made during the first six months of 1930 will not be profitable and we will not reach business activity which will result in reasonable profits until well along in the latter part of the current year.

Prices of raw materials and finished products from the standpoint of brake lining and clutch facings will remain fairly standard with a slight downward tendency during the second quarter of this year.

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R. Wild, Vice President,
Union Asbestos & Rubber Co., Chicago.

We cannot say what the prospects for the Industry as a whole may be, but from our point of view, it looks as tho we were going to have a very decent year.

Dr. R. V. Mattison, President,
Keasbey & Mattison Company, Ambler, Pa.

Nothing illustrates the present aspect of "business" more truthfully than the cartoon in "Life," in its issue of January 3, 1930, which pictures Union Square, New York City, filled to overflowing with the unemployed workmen who have been "laid off' because of lessened business activity, in reference to which one says to his mate, "I see that business is running all right according to the newspapers,' but which actual and general business decline has been gradually approaching a climax since its inception in June last. This was accentuated by the October-November drastic decline in the stock market, caused by the culmination of the ever-present desire in the minds of many members of the human family "to get rich without *work*," or to acquire somehow, somewhere or in some way "something for nothing."

The causes of the present abrupt decline in business is mainly psychological, for no money has been lost—there has been no catastrophe—the money has changed pockets, that is all.

My Company is very busy along some lines. There is no reason why it shouldn't be, but along other lines there is a distinct recession for which there is no apparent valid reason, excepting the fact that "people are not spending their money as they did!" But this is purely psychologic. There is just as much money as ever, and the United States of America owes its creditors more than a billion dollars less than it did a year ago, so why shouldn't business continue to be reasonably good?

According to the newspapers of this morning's date (January 4th) our President states that some $4,700,000,000 worth of construction work is already projected for the immediate future, and that in the course of two or three months business would again return to normal, but accord-

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ASBESTOS



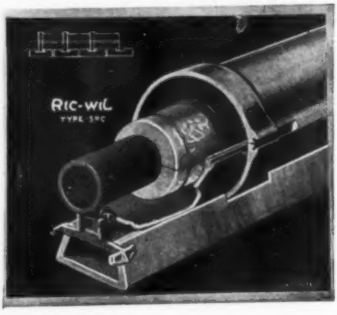
Night Operation—Winter—King's Pit

ASBESTOS CORPORATION LIMITED

THETFORD MINES

QUEBEC CANADA

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RIC-WIL
UNDERGROUND CONDUIT

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ing to the weekly report of the Department of Commerce of the United States:

"Commercial transactions during the week ended December 28th were less than in either the preceding week or the corresponding period of 1928. Steel plants were operating on a lower level than in the corresponding period of last year. Receipts of wheat, cotton and hogs at the principal markets were lower than in the corresponding week of 1928, while cattle receipts were larger. The distribution of goods, as indicated by the volume of freight car loadings, for the latest reported week, was lower than in the same period of a year ago."

So we will have to let it go at that.

George D. Crabbs, President,
Philip Carey Company, Lockland, Ohio.

The asbestos industry will not be immune from any general recession of activity which affects all business; however, I believe that any such recession will be of limited duration and that conditions will gradually return to normal, and that the year 1930 will be a satisfactory one.

As a matter of fact, there are most encouraging signs of activity in the asbestos industry, indicating that it is probably in a better position than some others to resist any tendency toward decline and to show a more continued vigor than some other lines. There is a growth in demand for fireproof construction, and considerable activity apparent in such directions as the electrical and oil industries. The use of higher temperatures in power production and in process industries will be another cause for continued strength. The diversification of uses for asbestos continues and new uses are constantly being found in which no other material seems so fully to meet requirements. Its unique qualities, including non-inflammability, exemption from the action of decay and disintegration, and its resistance to abrasion, fit it for increasing uses in industry.

Altogether, it seems to me that we can look forward with considerable optimism, and well-founded belief in the future.

As a climax, we print a letter received from N. E.

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Newman, President of Asbestos Limited, Inc., New York City, who, we have found, is a most modest gentleman:

In August, Prof. Fisher, the famous statistician, in a lengthy article in the "New York Times," conclusively set forth his opinion in regard to Industry in the United States. He said, there would be no let up in Industry, that stocks in leading corporations would advance, and the country was perfectly sound in a business way.

Charles E. Mitchell, of the National City Bank, on his return from Europe stated this country would see unprecedented prosperity and shrinkages could not possibly take place in good securities.

Andrew Mellon repeated a number of times his opinion that the prices at which commodities were generally selling and together with the large production of all commodities, a decline in the value of stocks and bonds was not to be thought of.

Mr. Raskob, Mr. Sloan and Mr. Dupont, all associated with General Motors, repeated a number of times that the Automobile Industry was only beginning to find itself, and that large expansion programs would necessarily take place in the Automobile Industry.

When all these able men predict so incorrectly, far be it for a humble individual like myself in the Asbestos Industry, to assume to have sufficient foresight in this Industry to voice an opinion.

Probably, one can state what is happening during the past few weeks, but to give an opinion as to what is in store for the Industry (in view of the great uncertainty that is most apparent) might make one feel foolish if he were to read a prediction, say, in a year from now.

Therefore, may I beg to be excused.

In January 1931, let us again read this article and see how nearly the various opinions have been borne out by actual occurrences during the twelve months.

LEAD JOINT RUNNERS

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HAMBURG
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IMPORT

EXPORT

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Pen Pictures of Thetford



Photo Courtesy of Keasbey & Mattison Co.

THETFORD IN WINTER

"Br-rrr!" is the principal remark of Asbestos executives when they step off the Pullman of the Quebec Central at Thetford in mid-winter.

Loyal Thetfordonians tell us that you do not *feel* the cold as much in Thetford as you do in Philadelphia, for instance, because the Thetford climate is dry. This is pretty hard to believe, however, when the thermometer registers about 40 below.

There is a tale told of a porter from the States, naturally a Southern darky, who was used to the genial climate of "Geohgia." He was inveigled into making the run from New York to help out a friend. When he arrived at Sherbrooke it was about 20 below and increasingly colder the farther north he went. When last heard from he was muttering threats of what his friend would get when he saw him again.

Then there is the tale of an asbestos executive who decided it was too cold to—but no, we are forbidden to print it!

As a matter of fact the lowest temperature recorded at Thetford is 42 degrees below zero, but this, say those who live there, is unusual, the average lowest temperature between December 31st and March 31st being 18 above zero, while the average highest temperature is 27 above.

Sometimes it even gets as warm as 48 above, during

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ASBESTOS

Arizona Crude
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Works: MILLINGTON, N. J.

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that period.

A small house, eight rooms, takes from fifteen to eighteen tons of coal annually—we do not guarantee, nor does our informant say, whether this kept the occupants really comfortable.

We have often wondered how one could ever start a Ford in Thetford in cold weather. One of our correspondents tells us that his car, not a Ford, is kept in a cold garage and he has the battery recharged every fortnight.

The next time a car is not shipped on time, or some other delay occurs in connection with your Canadian supply of asbestos, remember the temperature the last time you were at Thetford in mid-winter, and have mercy!

Asbestos and the Theatre

Perhaps in no other industry does Asbestos perform so many peculiar functions as in the theatrical field.

It is, of course, used in the manufacture of theatre curtains to protect the audience from fire, and forms the enclosure around the moving picture machine.

Two or three months ago we mentioned the insulation of a camera for use in the "talkies."

Asbestos fibre has been used in snow scenes, it creating the proper scenic effect better than any other material.

It is used in suits to protect actors who do dare-devil stunts with fire.

And only a few days ago we read of the use of Asbestos wood in the marvelous production "The Miracle." The material was used to represent a walk of ancient flagstone, and after being laid it was tramped upon and broken to present a rugged appearance.

Perhaps the most amusing use of asbestos which has come to our attention for a long time, however, is credited to Walter Catlett, star of the stage and screen. Mr. Catlett invariably puts burnt matches, often still smouldering, in his pocket. He has had so much trouble with his clothing catching fire from this practice, that now he has all his pockets lined with asbestos cloth—or at least that is what we read in a recent newspaper.

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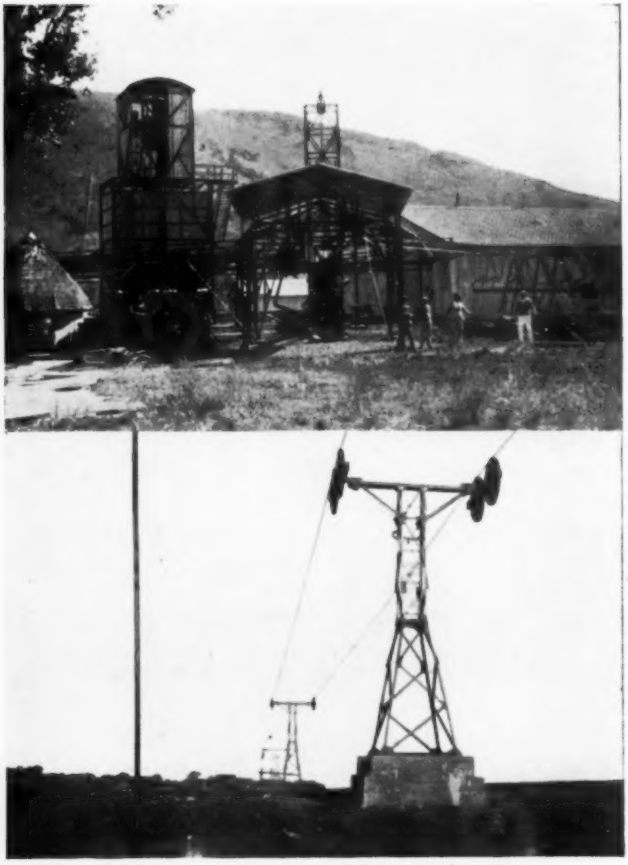
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Photos of this Ropeway thru courtesy of Roland Starkey, Manager, New Amianthus Asbestos Mine.

Top: The Elandshoek Terminal of the Aerial Ropeway.
Bottom: The standards or towers carrying the ropeway.

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The Elands Valley Aerial Ropeway

Mention has been made in previous issues of "ASBESTOS" of the aerial ropeway being erected by the New Amianthus Asbestos Mine, Kaapsche Hoop.

This ropeway is now completed and in operation, and the photographs will give our readers some idea of what is meant when this aerial ropeway is mentioned.

The ropeway connects the New Amianthus Asbestos Mine, controlled by Turner & Newall, with the Delagoa Bay railway at Elandshoek, and is 5.9 miles long.

From the mine the country rises with increasing steepness, the summit of the escarpment, nearly 2,000 feet above the starting point, being reached over a fairly precipitous kranz. The route then lies over a high plateau, partly occupied by Government forests and intersected by two deep valleys, until the edge is again reached overlooking Elandshoek. Here it is necessary to drop over another kranz and descend rapidly to the terminal



Terminal and Storage Shed of Ropeway at Elandshoek.

point, approximately 850 feet lower than the mine terminal.

The system chosen for this ropeway was the Bleichert monocable, in which one rope only, a travelling one, is used, a number of small cars being fed on to it and attached by means of a special gripping device. The rope passes over special supporting sheaves mounted on a series of towers, and at one end, round a driving wheel

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and a gravity tensioning gear.

Part of the traffic consists of mine timber which is grown on the plateau, and must be loaded on to the cars at some point thereon. It was therefore decided to split the ropeway into two sections at a point 2.36 miles from the mine terminal. It was at first proposed to make this intermediate station the driving point, but this would have necessitated a power line, with only 500 volts D. C. available, and would have meant a special staff on the spot. The alternative was chosen of driving from the mine terminal. At the intermediate station the two ropes, mine and Elandshoek, pass round two large wheels mounted on the same vertical spindle, so that the necessary drive can be passed thru from one section to the other. The three stations are linked up by means of a twin metallic telephone line on a separate pole line, so that operations can be controlled as requisite.

Each car is designed to carry two sacks of asbestos or 300 lbs. of coal, and canvas covers are provided which are strapped over each car carrying asbestos to protect the freight from the rain. The loading shed is approximately 135 feet long by 40 feet wide at its broadest section.



Showing detail of supporting tower.

The cars, when they are to be started on their outward journey, are pushed to the top of an incline in the monorail and in descending this they attain approximately the speed of the rope. The monorail is arranged so that it lowers the rope grip on to the travelling rope, and as the load is transferred from travelling wheels to grip, the latter closes firmly thru the weight of car and freight, and the car

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starts out on its journey at a speed of four miles an hour.

The capacity of the ropeway is 7½ tons per hour. To secure this, 170 ordinary cars are being provided. In addition special double stirrup cars are available for carrying lengths of timber up to a maximum of 30 feet. With traffic passing both ways simultaneously, the power required at the driving point is approximately 35 h. p. but to permit one-way traffic to the mine, e. g., coal, the motor installed is rated at 60 h. p. The travelling rope is of cast steel with an ultimate strength of 90/100 tons per square inch, and is 7/8 in. in diameter. There are in all 51 towers, of which one is 144.35 feet high, and three others are over 100 feet. The highest tower, which is at the foot of the Elandshoek kranz, is associated with the longest span, 1,500 feet on a slope of about 25 degrees.

The total cost of the undertaking was in the neighborhood of £30,000. It is confidently anticipated that the cost of transport by this ropeway will be reduced to about one eighth of the present cost of road transport between the mine and Godwan River.

ITALIAN

FINE YARNS — CLOTHS — TAPES

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SOCIETA ITALO RUSSA
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24 VARICK ST., NEW YORK

In the market for large or small quantities of

METALLIC YARN WASTE
ASBESTOS TEXTILE WASTE
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LOOM SWEEPINGS
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Please send samples, stating quantities, to

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Bear Canyon Asbestos Mine

By William Jacobsen

The principal chrysotile asbestos mines in Arizona are located in the Globe Mining District, Gila County, and with one exception are from 65 to 85 miles distant from Rice, a small station on the Southern Pacific Railway, which is the natural shipping point. The exception referred to is the Bear Canyon Mine[1] which has produced during 1929, a phenomenal amount of Crude Asbestos of the very finest quality—so suitable in the electrical field, owing to its low iron content—and which will probably produce a further large quantity of Crudes during 1930, as it is conservatively estimated that development work so far has placed a large additional tonnage in sight.

The Bear Canyon Asbestos Mine—located 4000 feet above sea level and 300 feet above Rice, the shipping point—is easily accessible over good roads, and is favorably situated in respect to all the economic conditions which enter into relatively cheap Asbestos mining.

Two of the Arizona mines, the one controlled by the Emsco Asbestos Company and the Regal (controlled by E. Schaaf-Regelman) are equipped with small mills, that on the former property having a capacity of 3 tons of mill rock per hour and consisting of one small Blake jaw crusher, two sets of rolls, an impact screen separating two grades of the crude asbestos fibre from the shorter stock, a small fiberizing machine for opening up the short fibre, a revolving screen about 16 feet long by 4 feet in diameter, cleaning and delivering the short milled fibre ready for bagging, as well as two gasoline engines developing 45 H. P. together. This mill, without fan or dryer, is nevertheless very efficient for the mechanical cobbing of the excellent quality of crude asbestos fibre, which is mined on this property and for the production of a milled stock suitable for use as a binder, in the manufacturing of magnesia non-heat conducting products, pipe covering, blocks, etc., or of asbestos shingles, but it is not designed for the production of the shorter grades of fibre, which is as it should be, the heavy trans-

[1]Controlled by the Keasbey & Mattison Company, Ambler, Pa.

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portation cost of about $25.00 per ton from mine to railway rendering it impossible to realize a profit, at the present prices, on the production of fibre shorter than "shingle stock."

In Arizona, asbestos is always found in the dolomitic limestone and the basic condition for the formation of asbestos appears to be the intrusion of diabase into this limestone, the subsequent folding and parting of the limestone as well as the breaking and opening up of the layers thereof in many places while cooling, and finally the serpentinizing and crystalizing solutions which invaded the limestone thru these breaks and partings, which are naturally more numerous and extensive where the diabase intrusions are massive or greatest.



Entrance to tunnel between black-smith shop and compressor room. Also note tunnel opening to the upper left of buildings.

Developments and stoping operations on the various mines have proved that asbestos in Arizona is always found in lenticular bodies of ore in the limestone; that these ore bodies are elongated in the direction of the breaks in the limestone; that troughs caused by the folding of the limestone are favorable, and the lenticular ore bodies, which lie above the other, are horizontal or nearly so excepting where the limestone has been folded,

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all of which, together with the still more significant facts that the ore horizons or lenticular ore bodies, separated by unaltered or unprepared layers of limestone, increase in length, width and thickness, as the distance to the underlying diabase is reduced, and that the zones of mineralization are most extensive where the upward diabase intrusions are greatest in length and width, would indicate that the theories in respect to the formation of chrysotile asbestos in Arizona are well founded. Such being the case, then the determining factors in respect to forming some idea as to the tonnage of chrysotile asbestos in Gila County are, the thickness of the limestone sill and its area of serpentinization, but when taking into consideration that this non-metallic mineral has been found in so many places over such a wide area in Gila



Partial view of Mill Dump.

County—proving that the diabase intrusions evidently necessary for the creation of asbestos are very extensive —and that as many as five different ore horizons or lenticular ore bodies arranging themselves along vertical or nearly vertical breaks and tongues of diabase and separated by unaltered layers of dolomitic limestone, have been developed in one place, it is therefore a fair speculation that there is a very large tonnage of chrysotile

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Vermont Asbestos Corporation

◆◆◆

MINING and MILLING
ASBESTOS FIBRES

◆◆◆

Mine-Eden, Vermont, U. S. A.

General Offices
89 Broad St., Boston, Massachusetts

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asbestos in Gila County which can be profitably mined even in the most inaccessible parts if the world's prices for the finest quality of No. 1 and No. 2 Crude Asbestos do not fall below $400.00 and $300.00 per ton of 2000 pounds, respectively, f. o. b. Rice. If the limestone sill is considerably thicker than proved by developments so far, then it is also not too broad an inference to suppose that ore horizons much wider and more extensive than those already developed will be found at greater depth and nearer the underlying diabase. Mining costs in most places, however, would be about the same as at present, as the reduced cost per ton when stoping larger bodies of ore would be offset by the cost of pumping water, which expenditure has not been necessary heretofore on any of the Arizona Asbestos mines.

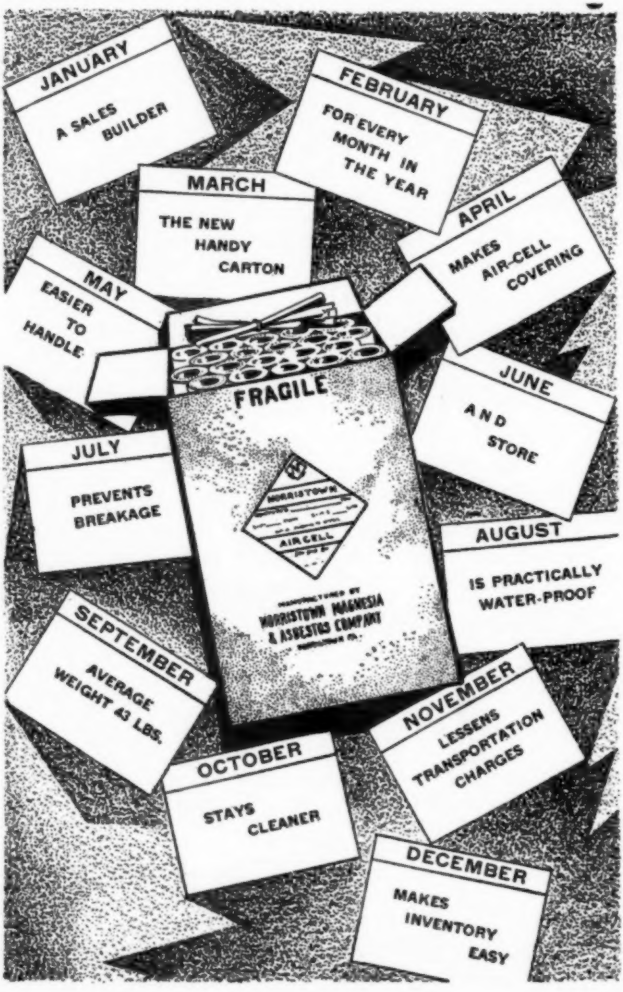
When two horizontal ore zones of sufficient width are close enough to be mined together, stoping costs are reduced to the minimum, and the best results are likely to be obtained by confining development work to those points where all the conditions, apparently so favorable in respect to developing payable ore bodies, are in evidence.

The quality of fibre in some of the mines is considerably better than in others, but in all of them harsh fibre (actinolite) is found adjacent to the silky fibre without any apparent reason, but generally to small extent.

Mexican and Indian labor has been found very suitable and economical in respect to the mining of asbestos and a modification of the room-and-pillar method of mining is employed in all the mines. On the Bear Canyon Mine the Mexican and Indian miners are under contract to mine and cob the crude fibre for a fixed price per pound delivered in bags ready for shipment, and altho as usual, the men earn considerably more than the standard wages paid for day labor, the cost of mining and recovering both crude and fibre, is considerably less, when all the mining is done by these contractors.

The deterrent factors to profitable mining of asbestos in Arizona are: unfavorable transportation facilities, compulsory mining of a large quantity of harsh (actino-

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lite) fibre in proportion to the amount of silky (chrysotile) fibre produced, unfavorable world marketing conditions which are likely to obtain in the near future, and ore bodies so small and narrow as to necessitate the mining of too much waste rock and too much development work per ton of fibre recovery, but wherever these unfavorable conditions do not apply there is no reason why the asbestos mines in Arizona should not be operated at a profit.

In order to secure and retain the most efficient management and labor, good living conditions at the mines are essential, especially during the summer months when the heat is excessive. At the Bear Canyon Mine the mine and camp buildings altho economically constructed, are very suitable. There are many beautiful and fair sized trees in that part of the Canyon, and on the Bear Canyon property; an abundant supply of spring water is piped to several convenient points and to two bath houses; a plentiful stock of groceries is always maintained by the Company for sale to the workmen at cost.

With such favorable geological and petrological conditions as are in evidence over such a large area, exploratory work in Gila County should bring to light many other asbestos mines as productive and profitable as the best of those which are now being successfully operated.

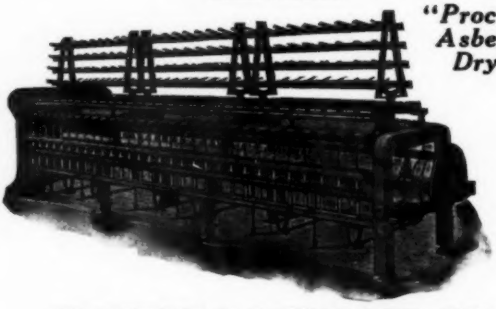
The Austin Company of Cleveland, O., one of the largest engineering and construction firms in the United States, announces that its estimated purchases of major material requirements for 1930 will be approximately 20 per cent greater than purchases of building materials by the company in 1929, and this includes no material for foreign construction. The Company states that the increase in its buying for 1930 expresses its conviction that 1930 in the United States alone, will be the biggest year the company has ever had, and this statement is confirmed by contracts in hand, business under negotiation and a great revival of inquiries during the past few weeks.

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ASBESTOS YARN MACHINERY

"Smith-Furbush"

"Proctor" Asbestos Dryers

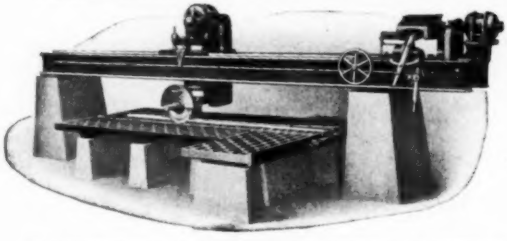


PROCTOR & SCHWARTZ, INC.

Formerly Smith & Furbush Machine Co.

Seventh St. & Tabor Rd., Philadelphia, Pa.

YOUR CUTTING PROBLEM SOLVED!



CARBORUNDUM ASBESTOS COPING MACHINE
CUTS WET OR DRY

A sturdy accurate production machine for cutting asbestos shingles, slate sheathing or similar products with carborundum wheels. Water connection for wet cutting or exhaust system for dry cutting.

A line will bring full information.

LINCOLN IRON WORKS, RUTLAND, VT.

Founded 1864

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BRAKE LINES

This page devoted to the discussion of brake lining activities by the Asbestos Brake Lining Association

The annual meeting of the Asbestos Brake Lining Association was held on Wednesday, December 11th, 1929 at the Transportation Club, Biltmore Hotel, New York City, and the general results were of a very satisfactory nature, evoking considerable enthusiasm from all the members.

H. W. Kelsey of the Russell Mfg. Company was elected President for the ensuing year, succeeding John T. Spicer of the Johns-Manville Corporation. The First Vice-President is William Brookes of Ferodo & Asbestos, Inc., Second Vice-President, M. F. Judd of the Raybestos Division, Raybestos-Manhattan, Inc., W. J. Parker was re-elected Commissioner.



H. W. Kelsey

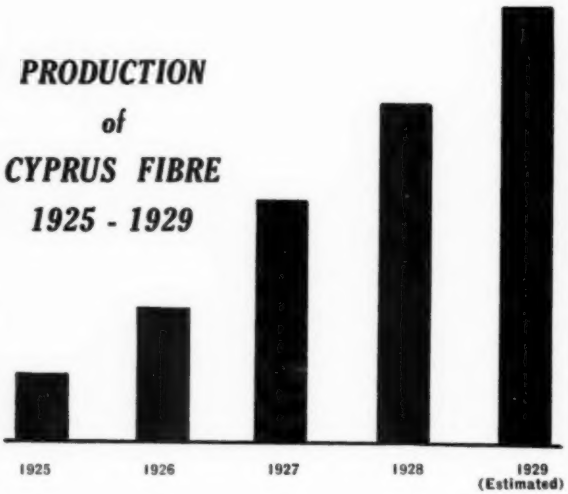
Ray W. Sherman, Editor of "Motor" made a very optimistic prediction for the automotive industry during 1930. He spoke on the subject of the industry generally selling the idea of safety in a movement sponsored by various manufacturers, such as headlights, bumpers, tires, steering mechanism, brake lining, etc., similar to his original idea conveyed in the old "Ask-'em-to-Buy" movement, which he originated for the old Automotive Equipment Association. He felt that a great deal of business could be secured thru specializing on all the various devices necessary to increase the safety factor in automobile driving, as he believed that if this thought were impressed upon our jobbers, as well as car dealers and service stations, there would be no lack of business in this particular line during the coming year. The Association received this suggestion with considerable enthusiasm and undoubtedly a committee will be appointed to further the thought.

Another speaker who brought up a very timely subject was R. L. Lockwood of the Division of Simplified Practice, Department of Commerce, Washington, D. C., who outlined in general the methods followed by the department in reducing number of sizes and kinds of various commodities, so that there would be fewer standards, which saves cost to the manufacturer and

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CYPRUS ASBESTOS COMPANY

LIMITED



SOLE SELLING AGENTS

CYPRUS TRADING CORPORATION, Ltd.

49 ST. JAMES'S STREET, LONDON, S. W. I.

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producer and to jobbers and dealers by conserving their capital for smaller stocks.

The Asbestos Brake Lining Association has on several occasions attempted to aid in this movement, without so far having obtained specific results, and it is quite probable that a committee will be appointed to consider the subject again with a view to activity during 1930, particularly in the line of reducing the number of sizes involved in the various widths and thicknesses with the numerous tolerances that are being specified by different engineers.

The Data Book Committee reported that its work for 1930 was well under way and they hoped to be in position to have the 1930 Clutch Facing and Brake Lining Data Book printed and in the hands of the trade by or about March 1st.

It was also decided that instead of having from five to six meetings per year, there would be no less than eight, approximately six weeks apart, with the exception of the summer months.

The meeting was exceptionally well attended and the contact with the fellow-executives from the various brake lining and clutch facing manufacturers was productive of considerable good will and enthusiasm.

AUTOMOBILE PRODUCTION

Production during November 1929 totalled 226,865 in the United States and Canada, 217,441 of which were produced in the United States and 9,424 in Canada.

Of these 174,121 were passenger cars, and 51,125 trucks.

In November 1928 268,909 motor vehicles were produced, (257,140 in the United States and 11,769 in Canada.)

Total production for the eleven months of 1929 was 5,493,116 compared with 4,357,600 in the same period in 1928.

Preliminary facts and figures for the Automobile Industry for the entire year 1929 gives a production, in the United States and Canada of 5,651,000 cars and trucks, 4,846,000 of which were cars and 805,000 trucks. 87% of the cars produced were closed.

12,474,000,000 gallons of gasoline were used by motor vehicles during 1929; 913,920,000 pounds of crude rubber, 2,787,000,000 pounds of cotton fabric in tires alone.

The motor vehicles registered in the United States during 1929 totalled 26,400,000; world registration was 34,700,000, making 76% of the world's automobiles in the United States.

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AMERICAN ASBESTOS COMPANY

Manufacturers of
Asbestos Textiles

NORRISTOWN, PA., U. S. A.

Headquarters for
Yarns, Cloth, Tapes, Fibres, Brake Linings and Textiles Generally

WRITE FOR PRESENT PRICES

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MARKET



TRADE MARK

ASBESTOS-CEMENT
SHINGLES
CORRUGATED
SHEETS
AND LUMBER,

ARE USED EXTENSIVELY BY THE BELGIAN RAILWAY AUTHORITIES & WAR DEPARTMENT. THIS IS PROOF OF THEIR QUALITY.

Scheerders - Van Kerchove United Company
(Ste An)
St. Nicolaas (Waas)
Belgium

QUOTATIONS, LITERATURE and SAMPLES SUBMITTED TO ANYONE INTERESTED.

General Business,

While it survived the stock crash reasonably well, has fallen off some, and altho improvement is looked for during 1930, this may or may not be immediate.

Generally, asbestos lines have to a certain extent, and naturally, followed the trend of general business. But our various correspondents will give their own views on business conditions in the several divisions.

Asbestos—Raw Material.

One of our correspondents, who deals in Asbestos Crudes and Fibres, has this to say about the raw material market:

The condition of the motor car industry has, naturally, affected the asbestos textile business, it having fallen off for the time being. There are large stocks of spinning material in the hands of some manufacturers and consequently some of them are refusing to take in any more asbestos on their contracts.

Some of the mines have

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CONDITIONS

already cut prices on crudes and spinning material with the hope of moving some of these grades, but apparently without success. More crudes and spinning fibres are now being produced by the Canadian, Rhodesian, South African and Russian mines than could be used by the asbestos industry at the height of its prosperity.

For some years many asbestos mines have been increasing their equipment to add to their production, and other mines are installing additional plants. As time goes on, there probably will be further cuts in the price of spinning material.

In general there has been no change in prices on raw asbestos except the spinning grades, or by those companies who are trying to force material on the market. The present situation was foreseen over a year ago by certain textile manufacturers and they were certainly wise when they stopped buying spinning material.



TRADE MARK

"EVERITE"

Asbestos Cement
Shingles
Lumber
Corrugated Sheets

"GIFFA"

Decorative
Wall Lining
(patented)

The best imitation of Marble Panels measuring 8' 3" x 4'
27 Patterns

Apply for Prices, Pamphlet and Free Samples

Societe Francaise de "l'Everite"

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and Bassens nr.
Bordeaux
(France)

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Manufactured Asbestos.

Textiles. The demand for Asbestos Yarns and Cloth continues slow. This is to be expected at this time of the year and has been carried over from the latter part of November and December. It will certainly be May before any definite prognostications will be possible concerning the future for the year 1930 in the Textile line. It appears, however, that the trade may expect fairly normal demands. Prices on contracts which have been let, at the present time, appear to be the same as last year with, if anything a slight firming of price.

Brake Lining. The Brake Lining demand continues normal for January of this year as against past years; that is, gross sales in the various types of Brake Linings sold, including molded, etc., about approximate the usual gross sales in past years. As the gross sales are split among four or five different kinds of linings, it is very hard to get adequate figures.

Packings. Packings continue to be about the most satisfactory item in the asbestos line. There are no style changes of any importance in this field, and demand has been very good since early Fall, the prospects being that this demand will hold up very nicely until the middle spring.

All in all asbestos textiles and brake linings as well as steam packing appear to show definitely that these classes of materials have followed the general trend of trade in the United States as determined by car loading. There is no reason to suppose that if trade is normal for the late winter and early spring months, asbestos materials will not also be normal.

In the insulation, paper, shingle, and other lines, there seems to be a falling off due to decline in general business, and of course, some of these lines are seasonally off as well. In practically all divisions of the Industry, however, prices are reported to be firm, a slight advance being noted in high pressure insulation.

At present the asbestos cement shingle division is very slow, this including wall tile. Asbestos corrugated and flat sheets, while showing some falling off in demand, due to

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BLUE AND AMOSITE CRUDES AND FIBRES

"CAPE" BLUE ASBESTOS of all grades suitable for shingles, asbestos-cement pipes, boiler and bulkhead blocks and textiles.

AMOSITE of all grades, suitable for 85% Magnesia coverings, composition and textiles.

BLUE AND AMOSITE MANUFACTURED GOODS

Yarns, cloth, 100% Asbestos Sectional Pipe Covering, Millboard, etc.

Both Blue and Amosite cloths possess the highest insulating properties and are approved by the British Admiralty. They are also specially adapted for resistance to strong acids.

The Cape Asbestos Co Limited

Morley House 26-30 Holborn Viaduct London E.C.1.

Factory, Barking, Essex

Telegrams:— "Incorrupt," London. Telephone City 6937

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general industrial conditions, appear to indicate a good outlook for business a little later on.

All in all the asbestos industry finds itself in better condition than many others.

Note: These comments are made by various men in the asbestos industry. If your opinion does not agree with theirs, we will be glad to hear from you.

FREIGHT CAR LOADINGS

The following figures giving loadings of revenue freight in 1929 as compared with the two previous years are of interest:

	1929	1928	1927
Four weeks in January	3,570,978	3,448,895	3,756,660
Four weeks in February	3,767,758	3,590,742	3,801,918
Five weeks in March	4,807,944	4,752,559	4,982,547
Four weeks in April	3,983,978	3,740,307	3,875,589
Four weeks in May	4,205,709	4,005,155	4,108,472
Five weeks in June	5,260,571	4,924,115	4,995,854
Four weeks in July	4,153,220	3,944,041	3,913,761
Five weeks in August	5,590,853	5,348,407	5,367,206
Four weeks in September ...	4,538,575	4,470,541	4,370,747
Four weeks in October	4,677,375	4,703,882	4,464,872
Five weeks in November	4,891,835	5,144,208	4,741,390
Week ended December 7	936,825	984,773	877,676
Week ended December 14 ...	923,240	963,668	868,750
Week ended December 21 ...	842,483	900,620	829,810
Total	52,151,344	50,921,913	50,955,252

ASBESTOS STOCK QUOTATIONS

	Par.	Div.	December 1929 High	Low	Last
Asb. Corp. (Com.)	np	–	3	2½	2½
Asb. Corp. (Pfd.)	100	7	13	12	12½
Carey (Com.)	100	8	300	295	295
Carey (Pfd.)	100	6	116½	115	115
Certainteed (Com.)	np	–	16⅞	10⅞	13
Certainteed (Pfd.	100	7	55⅛	45½	45½
Garlock Packing (Com.)	np	–	21⅝	20	20
Garlock Pkg. (6s Deb. 1939) ..	100	6	97	93	94½
Johns-Manville (Com.)	np	3	140¾	105	125
Johns-Manville (Pfd.)	100	7	121½	120¾	121½
Raybestos-Manhattan Inc. (Com.)	np	–	37	31	32⅞
Ruberoid (Com.)	np	4	52⅞	48⅞	52⅞
Thermoid (Com.)	np	–	23¼	19⅛	19⅛
Thermoid (Pfd.)	100	7	87	78⅛	87
Thermoid (6s 1939)	100	6	89¾	80¼	83⅛

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Asbestos Fibre

for the manufacture of

Roofing Cements · Fibrous Paints
Filtration Packings
Asbestos Shingles and Lumber
Insulating Cements
Asbestos Paper · Pipe Coverings
Asbestos Millboard
High Temperature Cements

THE QUEBEC ASBESTOS CORPORATION

Office and Mines
EAST BROUGHTON, PROVINCE *of* QUEBEC
CANADA

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CONTRACTORS AND DISTRIBUTORS PAGE

GOOD ENGINEERING VERSUS PRICE

Contributed

Is the larger percentage of insulation work bought and sold on a price or engineering basis?

Do the insulation contractors spend real time and thought to give the customer an efficient job, both from a heat loss and durability standpoint, or is the energy of their organization used up in an effort to see how the specifications can be cut and how cheaply the work can be completed, regardless of the ultimate economy to the customer?

One of the larger Insulation Contractors, whose organization is continually trying to sell better and more efficient installations, states that, too often work is given out by buyers at some low price because someone in the insulation business has persuaded the buyer to consider price first, even going to the extent of reducing the quality of material, thickness and finish.

This is no new situation in the industry, and if all those engaged would take the time to study the customer's problem properly, and design for him the most economical method of insulating each particular surface and apparatus, not only from a heat loss standpoint but from the practical standpoint of durability as well, and then have sufficient stamina to back up their design and get the proper price for doing work in the manner it should be done, a real service would be rendered to the Engineering profession and to all of our customers.

There are numerous jobs of course, where the specification is predetermined by someone not in the insulation business and where price is the only consideration on the part of the buyer. This work is largely that which is secured as sub-contractors to the Plumbing or Heating Contractor. On this class of work the efforts of the insulation contractor must lie with the architect and engineer who are writing the specifications, in an effort to get better and more complete specifications written.

After all, the selling of insulation is a real service to industry, and if we can catch the larger vision of service rather than keep our minds forever on the saving of a few cents or dollars by lowering the quality of the job, the insulation contracting industry will attain a higher level, and win the respect of its clients, potential and actual.

The Asbestos Workers in the Philadelphia District are on strike, they are asking $1.50 instead of the present rate of $1.25. The employers have offered $1.37½, but up to the time of going to press no settlement has been effected.

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Africa (Rhodesia).

	September 1929 Tons (2000 lbs.)	Value		
Bulawayo District				
Gordon (McCusker & Sauerman)	22.40	£ 448	0	0
Croft (Afr. Asb. Mng. Co. Ltd.)	139.25	2,785	0	0
Nil Desperandum (Afr. Asb. Mng. Co. Ltd.)	651.92	14,640	8	0
Sphinx (Afr. Asb. Mng. Co. Ltd.) (Adj. April 1928 to March 1929)		47,699	13	3
Norma (United Mng. & Gen. Tr. Ltd.)	61.80	1,236	0	0
Recompense 3 (Hancock's Asb. Corp. Ltd.)	10.85	135	13	3
Shabani (Rho. & Gen. Asb. Corp. Ltd.)	2,159.30	43,185	18	0
Lomagundi District				
Ethel (Rho. Chrome & Asb. Co. Ltd.)	15.35	307	0	0
Victoria District				
Gath's (Rho. & Gen. Asb. Corp. Ltd.)	354.79	7,095	16	0
King (Rho. & Gen. Asb. Corp. Ltd.)	258.24	5,164	16	0
	3,673.90	£122,698	4	6
September 1928	*2,977.33*	*£ 59,639*	*0*	*2*

Cyprus.

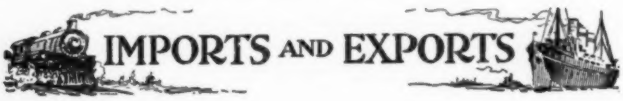
November 1929	413 tons (2240 lbs.)
November 1928	2,010 tons (2240 lbs.)

Canada.

According to the Official Estimate by the Dominion Bureau of Statistics, production of Asbestos in Canada during 1929 reached a total of 305,575 tons, valued at $13,337,000, or 12 per cent more in quantity than in 1928.

The figures for 1928 were 273,033 tons, worth $11,238,360.

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Imports into U. S. A.

Unmanufactured Asbestos.

	November 1928 Tons (2240 lbs.)	Value	November 1929 Tons (2240 lbs.)	Value
Africa (Br. S.)	27	$ 3,441	458	$ 77,853
Africa (Port. E.)	103	41,604	1,189	475,834
Belgium	55	8,010	...	...
Canada	17,887	590,452	18,119	590,858
France	97	15,885	...	...
Germany	309	112,534	...	60
Italy	2	2,197	2	719
Netherlands	49	5,854	...	...
Russia	..	...	224	110,738
United Kingdom	47	7,395	10	2,291
	18,576	$787,372	20,002	$1,258,353
Tabulation of Crude only:				
Africa (Br. S.)	27	$ 3,441	458	$ 77,853
Africa (Port. E.)	103	41,604	1,189	475,834
Belgium	55	8,010	...	...
Canada	449	101,408	105	47,966
France	97	15,885	...	...
Germany	309	112,534	...	60
Italy	2	2,197	2	719
Netherlands	49	5,854	...	...
Russia	...	...	224	110,738
United Kingdom	42	6,545	9	2,195
	1,133	$297,478	1,987	$715,365
Other Grades:				
Mill Fibre (United Kingdom)	5	850	1	96
Mill Fibre (Canada)	6,903	302,589	7,059	369,732
Stucco (Canada)	27	450	...	...
Lower Grades (Canada)	10,508	186,005	10,955	173,160

Manufactured Asbestos:

	November 1928 Pounds	Value	November 1929 Pounds	Value
Yarn—				
Germany	500	$ 233	1,001	467
Italy	253	375	...	...
United Kingdom	2,959	1,293	...	...

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	Pounds	Value	Pounds	Value
Fabrics, Woven—				
United Kingdom	3,592	2,769	5,422	3,447
	November 1928		November 1929	
Packing, Fabric—				
Germany	...	...	4,636	3,298
United Kingdom	1,404	495	...	...
Packing, not Fabric—				
Austria	...	...	17,248	5,864
Canada	30	23	...	...
France	..	..	7,289	6,381
Germany	2,167	1,697	1,836	538
Hungary	...	...	980	327
United Kingdom	2,622	998	15,174	9,108
Shingles, Slate, Wood or Lumber—				
	(inc. lumber)		(without lumber)	
Belgium 2,314,248		34,125	6,827,320	87,169
Canada	180	30	...	...
France	595,557	7,501	606,724	7,433
Germany	205,182	3,453	170,526	3,187
Netherlands	442,324	7,882	...	...
United Kingdom	35,767	1,369	...	...
Lumber of Asbestos Cement—				
Canada	included		36,125	1,614
Italy	in above		17,527	549
Paper and Millboard—None.				
Asbestos Cement—				
Canada	36,365	2,174	...	...
Cuba	240	200	...	...
Other Manufactures—				
Canada	8,724	616	...	...
Czechoslovakia	710	314	...	...
Germany	75	95	...	...
United Kingdom	10,253	3,946	...	...
Grand Total *3,663,152*		*$69,588*	*7,711,808*	*$129,382*
Shingles, Slate, Wood or Lumber—By Districts.				
Baltimore	11,870	244	...	...
Florida	...	...	210,712	2,868
Galveston 1,868,686		24,045	...	...
Georgia	96,803	1,471	...	...
Hawaii	22,567	1,102	...	...
Michigan	...	...	36,125	1,614
Mobile	41,200	589	163,468	2,607
New York	469,122	8,118	17,527	549
New Orleans	831,630	14,929	562,012	8,099
Oregon	13,200	267	...	...
Philadelphia	128,483	1,911	6,668,378	84,215
Porto Rico	9,000	193	...	...
Sabine (Tex.)	48,709	771	...	...
St. Lawrence	180	30	...	...

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South Carolina	51,808	690	...	...
	3,593,258	$54,360	7,658,222	$99,952

Exports from U. S. A.

Exports of unmanufactured asbestos during October[1] 1929 amounted to 2 tons, valued at $79.00. During the same month in 1928, 57 tons were exported, valued at $24,445.

Exports Manufactured Asbestos Goods:

	October 1928		October[1] 1929	
	Pounds	Value	Pounds	Value
Paper, Mlbd. & Rlbd....	85,995	$ 7,728	198,765	$13,670
Pipe Covg. & Cement ..	662,406	42,917	735,302	44,328
Textiles, Yarn & Pkg...	167,824	86,833	170,528	93,932
Brake & Clutch Lining.	613,870†	109,097	628,458†	134,405
Magnesia and Mfrs. of..	589,072	30,808	555,348	30,987
Asbestos Roofing	7,897*	27,846	5,109*	40,311
Other Manufactures ...	319,099	41,839	379,744	41,817

†Lin. ft.
*Squares.
1Exports one month behind Imports.

Exports of Raw Asbestos from Canada.

	November 1928		November 1929	
	Tons (2000 lbs.)	Value	Tons (2000 lbs.)	Value
United Kingdom	1,051	$ 90,348	515	$ 56,498
United States	7,952	459,863	7,514	486,628
Australia	110	8,250	150	15,000
New Zealand	...	...	1	20
Belgium	725	54,178	3,157	234,775
France	925	72,700	551	40,260
Germany	2,143	169,125	646	64,083
Italy	270	19,400	...	...
Japan	1,046	56,330	555	33,550
Netherlands	162	8,680	70	6,300
Spain	20	1,300	...	...
	14,404	$940,174	13,159	$937,114
Sand and Waste—				
United Kingdom	320	5,500	500	12,500
United States	14,375	203,227	13,357	198,031
Belgium	456	7,638	90	2,250
France	100	2,125	125	3,125
Germany	630	15,750	400	10,040
Italy	...	...	22	550
Japan	50	1,250	...	...
Netherlands	...	...	60	1,500
	15,931	$235,490	14,554	$227,996
Grand Total	*30,335*	*$1,175,664*	*27,713*	*$1,165,110*

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Imports and Exports by England.

Imports of Raw Material:

	November 1928 Tons (2240 lbs.)	Value	November 1929 Tons (2240 lbs.)	Value
From Rhodesia	1,507	£53,435	473	£21,432
From Canada	745	13,198	1,313	15,743
From Other Countries	473	10,739	1,556	56,677
	2,725	77,372	3,342	93,852
Re-Shipments	680	£26,399	370	£13,636
Exports of Asbestos Manufactures:				
To Netherlands	158	£ 8,078	59	£ 5,790
To France	29	8,342	81	7,613
To United States of America	3	1,477	13	3,254
To British India	838	17,751	629	14,571
To Australia	56	9,085	75	8,693
To Other Countries	2,043	82,581	1,477	77,467
	3,127	£127,314	2,334	£117,388

BUILDING

Building Construction dropped severely during November, contracts awarded in that month amounting to 10,483 projects, containing 51,052,400 square feet of floor space, with valuation of $391,012,500, while the figures for October were 15,097 projects, 65,609,200 square feet of floor space, valuation $445,642,300.

Comparison of figures for contracts awarded during the first ten months of the year for the last five years are of interest:

1925—5,002,788,000
1926—5,356,506,000
1927—5,359,298,000
1928—5,724,048,000
1929—5,046,910,000

The Asbestos Vein "Discovered in Ontario," mentioned in our December issue, upon further investigation appears to be the Porcupine Deposits which have already been worked to some small extent. It will be remembered that this was good material but could not be profitably worked.

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NEWS OF THE INDUSTRY

Birthdays. We extend hearty greetings to the following gentlemen whose birthdays occur within the next month: Henry W. Grebe, President Central Asbestos & Magnesia Company, Chicago, Ill., January 21st; George D. Crabbs, President, Philip Carey Company, Lockland, Cincinnati, O., January 22nd; Benjamin T. Conwell, President Eternit Inc.; February 3rd; H. N. Dawes, President, Nightingale & Childs Co., Boston, Mass., February 5th; H. A. Hirschfeld, President, Standard Asbestos Co., Inc., New York City, February 11th; Willard R. Platt, President & Secretary, Greene, Tweed & Co., New York City, February 11th; Lewis H. Brown, President, Johns-Manville Corp., New York City, February 13th; R. V. Aycock, President, R. V. Aycock Co., Kansas City, Mo., February 15th.

S. A. Internationale de l'Asbeste-Ciment, Wildegg, a Swiss corporation has been formed for insuring better co-operation among manufacturers of asbestos cement products. This is probably the most important development in the asbestos-cement industry since its beginning.

The manufacturers included in this new combine have an actual total yearly production of very close to one million tons, and represent consequently, more than 80% of all the manufacturers of asbestos-cement products of the world. The members of the corporation, or cartel, are Turner & Newall, Ltd., Rochdale, England; S. A. Eternit, Cappelle-au-Bois, Belgium; S. A. Eternit Francaise, Prouvy, France; Eternit-Betriebs und Handels Gesellschaft Mahr Schonberg, Czecho-Slovakia; Eternitwerke Ludwig Hatschek, Vocklabruck, Austria; Eternitwerke Ludwig Hatschek, Budapest, Hungary; Eternit Pietra Artificiale, Geno, Italy ; Manufacturas Roviralta, Barcelona, Spain; Eternit, Inc., St. Louis, (U. S. A.); Eternit, A. G., Niederurnen, Switzerland, Deutsche Asbestzement A. G., Berlin, Germany.

Keasbey & Mattison Company, of Ambler, announce the appointment of C. A. Jordan as Manager of its New York Office, succeeding O. C. Ferens, who has resigned. Mr. Jordan was formerly assistant manager of the Boston Office of the Company.

The Ambler Asbestos Shingle & Sheathing Company will hold its annual meeting of Branch Managers in St. Louis (where a branch factory is located) during the week of January 20. The attendance will include: Royal Mattison, Vice President and General Manager; Ralph E. Frey, Vice President and Sales Manager; John W. Ledeboer, Vice President and Superintend-

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We are in the market for

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Metallic Yarn Waste

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ent; L. S. Moore, Traffic Manager; D. C. Miner, Advertising Manager; A. B. Spaulding, Philadelphia Manager; G. L. Courtenay, New York Manager; H. J. Dougan, Boston Manager; G. S. Strebel, Buffalo Manager; R. A. Sarricks, Pittsburgh Manager; Howard J. Harton, Wilkes-Barre Manager; D. A. Roberts, Washington Manager; F. W. Baetzel, Cleveland Manager; J. R. Adams, Chicago Manager; E. W. Ahern, Minneapolis Manager.

Southern Asbestos Company of Washington, D. C., announce the removal of their office and warehouse from 3528 Georgia Avenue, to 1117 Twenty-first St., N. W. New telephone number is North 3137. The change of location is necessitated by the substantial growth of the business.

Rubber Processes Ltd., of Liversidge, Yorkshire, who were reported to have started the manufacture of rubber brake lining, has gone into compulsory receivership. Liabilities are believed to be about £4,500 with assets, consisting of book debts, amounting to £210.

A. Reid, Managing Director of James Hardie & Co., Sydney, Australia, has recently paid a visit to the Chrysotile Asbestos Deposits in the Pilbarra District of Australia, to inspect the nature of the deposits, the visit being made because of the report issued on the deposits by the Under-Secretary of Mines.

Griqualand Exploration & Finance Company, of Griqualand, Cape Province. The operations of this African company for the year ended May 31st, according to the Mining World, resulted in a profit of £4,529. Plant is to be installed, this to be in operation by the middle of 1930, and for that purpose the Board has decided to increase the issued capital from £24,363 to £40,000 by the issue of 156,370 shares of 2/- each at a price of 2/6d. per share for each two shares now held.

Egnep, Ltd. H. Eckstein, Managing Director of Egnep. Ltd. (South Africa) will visit England early in 1930.

Cape Asbestos Company, Limited, London, has declared a dividend of 5% on the Preference Shares, together with a 5% Interim Dividend on the Ordinary Shares which carries with it a further equivalent dividend on the Preference Shares in respect of the year 1929, the dividend being payable on January 4th, 1930.

Bernard C. Hall, Secretary & Director of Hall & Nielsen, Ltd., Manufacturers of Bramec Brake & Clutch Linings, Beaver Mills, Bury, Lancs., England, has been admitted as a Member of the Institute of Company Accountants, England, with the qualifying letters A. I. A. C.

Beldam Asbestos Company, Ltd., Hounslow, England. On November 16th last the employees of this firm held a highly successful tea and social on the occasion of the opening of their new mess and recreation rooms, about a hundred persons being present. After a bountiful tea, a whist drive was held. Mr. Leahy, General Manager, was presented with a pair of engraved

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BRAIDED AND WOVEN TAPES
BRAIDED TUBINGS
WOVEN SHEET PACKINGS
WOVEN BRAKE LININGS
GLOVES, MITTENS, LEGGINS
GASKETS, SEAMLESS AND JOINTED
PACKINGS, STEM AND HIGH PRESSURE
WICK AND ROPE

ASBESTOS FIBRE SPINNING COMPANY

NORTH WALES, — PENNA.

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gold cuff links by the employees, and H. Coombs, Works Manager received an engraved wrist watch. Dancing and novelty competitions were indulged in and the evening closed with the singing of Auld Lang Syne.

Recently the employees have formed the Beldam Social Club which holds periodical and extremely enjoyable events. They have the keen support of the officers and directors of the Company.

The Beldam Asbestos Company, Ltd., has supplied us with a copy of their very attractive catalogue of "Lascar" Packings.

Turner & Newall, Ltd., Rochdale, England. The amalgamation of this company with the Rhodesian & General Asbestos Corporation, will rationalize raw asbestos production in Africa, in much the same degree as the company has been able to rationalize the manufacture and distribution of manufactured asbestos, magnesia, and allied products in Britain, says a correspondent. On completion of this amalgamation, the Turner & Newall group will become possessed of the major part of the superior grades of asbestos now produced in the world, and the quantity of its reserves will be practically unlimited.

The firm's policy in relation to the marketing of raw asbestos will be to seek to enter into frank and equitable arrangements for its supply to the principal manufacturers of the different countries of the world. The price policy in the distribution of raw asbestos is said to be the establishment of world prices on an economic level, meaning prices at such a level as shall permit the maximum development of the industry thruout the world, which will in future be assured of sufficient supplies as against the old state of affairs when manufacturers from time to time did not know when or where they might be able to get their raw materials.

The company's capital has been increased from £2,232,848 ($11,164,240) to £3,096,505 ($15,482,525). This increase is mainly accounted for by shares issued in respect of the various businesses which were added to the group immediately after the annual meeting last year. The capital is about to be again increased, bringing it up to £6,850,000 ($34,250,000) the object being the acquisition of the Rhodesian & General Asbestos Corporation.

Luse-Stevenson Co., Chicago, supply us with a circular on their Reliable Corkboard. They carry large stocks of this Corkboard in New York, New Orleans, San Francisco, Los Angeles, Chicago, Montreal and other Canadian points.

The Clark Asbestos Co. Howard N. Clark, who is associated with the Clark Asbestos Company, and the son of Geo. N. Clark, President of the Company, has recently become the proud father of an 8½ lb. boy.

"Asbestos in 1928," by Oliver Bowles and B. H. Stoddard, has

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just been published by the Bureau of Mines, U. S. Department of Commerce. Copies are available at the price of 5c, upon application to the Superintendent of Documents, Washington, D. C.

O. C. Ferens resigned as Manager of the New York Branch of Keasbey & Mattison Company, on January 1st, and after a short rest will probably get back into the Asbestos business. Mr. Ferens has made a record in New York and Chicago.

The United States Asbestos Division of Raybestos-Manhattan, Inc., announces that it will shortly put on the market, a new type of brake lining, under the name of Gray-Rock Eagle. This, we believe, is a new improved type of woven lining, designed especially for the internal expanding brake. Further description of it will appear in a later issue.

African Asbestos Trust. The first report of the African Asbestos Trust, from the incorporation on May 23rd, 1928 to June 30th, 1929, states that the capital is £500,000, in £1 shares, of which 450,000 have been issued and are fully paid, £350,000 being paid for the asbestos rights on the property, leaving £100,000 as working capital. The company owns asbestos rights on farm Kalkkloof No. 250, District Carolina, Transvaal, of about 8,363 acres. The property stands in the balance sheet at £364,685. The Consulting Engineer's report states that 13,800 feet of development has been accomplished, resulting in 206,000 tons of ore being available for stoping and milling. Difficulties were encountered which necessitated deferring erection of plant In consequence further funds will have to be raised tc bring the company to the production stage on the large scale originally planned, and the best means of doing this are now under consideration. It is understood that the additional capital will be provided without applying to the shareholders.--S. A. Mining & Engrg. Journal.

"Some Characteristics of Rhodesian Asbestos" is the title of an article which appeared in the Nov. 16th issue of the South African Mining & Engineering Journal.

The Bear Canyon Asbestos Company has issued a very attractive 16 page (and cover) booklet "Arizona Asbestos," containing a number of interesting illustrations of the mines and type of terrain and full description.

Australian & General Asbestos Company. Capital of this Company was increased on November 19th, 1929 by the allotment of 200,000 shares of 2/- each credited as fully paid up, being part payment in respect of further properties acquired.

The Directors have decided to treat asbestos ore in London and part of the machinery and plant has been delivered to the works, the plant has been completed and is running satisfactorily, according to Directors report.

In view of the large area now under control and the advis-

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ability of opening up the remaining lease, the Directors are considering the question of additional capital so that production from the properties can be brought up to a tonnage of 250 to 300 tons per month.

The Company was originally registered on June 25th, 1928 and a report of this registration was made in August 1928 "ASBESTOS" on page 45.

PATENTS

Garlock 234 trademark No. 288,067, has recently been granted to the Garlock Packing Company of Palmyra, N. Y., for packing material made of various combinations of asbestos, rubber, cotton, flax, copper, lead, iron and babbitt.

Asbestos Glove. No. 1,730,763. Granted on October 8th, to George W. Gerding of Glenside, Pa., assignor to Asbestos Fibre Spinning Company of North Wales, Pa. Filed May 10, 1927. Serial No. 190,186.

Described as a glove comprising a body of asbestos fabric presenting opposing adjacent edges, an inner lining extending substantially to such edges, the contiguous edges and the lined body being secured together by stitches extending thru the body and lining and a layer of adhesive material between the body and lining, said layer extending substantially over the entire surface of the lining whereby the lining in addition to its contiguous edges being secured together and to both edges of the body, is superficially united to the body thruout the area of the lining outside the said contiguous edges thereto.

Aircell Pipe Covering. No. 1,732,018. Granted on October 15th to August P. Jurgenson, Philadelphia, assignor to Concentric Aircells Automatic, Inc., Philadelphia. Filed January 30th, 1929. Serial No. 336,163.

Described as, in a device of the character stated an inner stationery mould, an outer movable sectional mould, means for feeding superimposed cemented sheets of pliable heat insulating and resisting material into said outer mould, means for clamping said outer mould against said inner mould for predetermined length of time and means for releasing said outer mould.

Machine for Spinning Composite Yarns. No. 1,732,592. Granted on October 22nd, to Phillip D. Cannon, Philadelphia, assignor to Johns-Manville Corporation, New York City. Filed June 22, 1928. Serial No. 287,463.

Described as a machine for producing composite yarns having therein in combination, means for laying a wrapping filament in surrounding relation to an elongate bundle of fibres, means for advancing the wrapped bundle in the direction of its length and means for thereafter spinning the wrapped bundle of fibres.

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THIS AND THAT

1930—A new page to write upon! What will the record be?

Following the article "Asbestos and the Automobile," which appeared in December "ASBESTOS," we plan to publish, possibly in February and April, "Asbestos and Radio" and "Asbestos and Aviation," thus covering the three great modern industries.

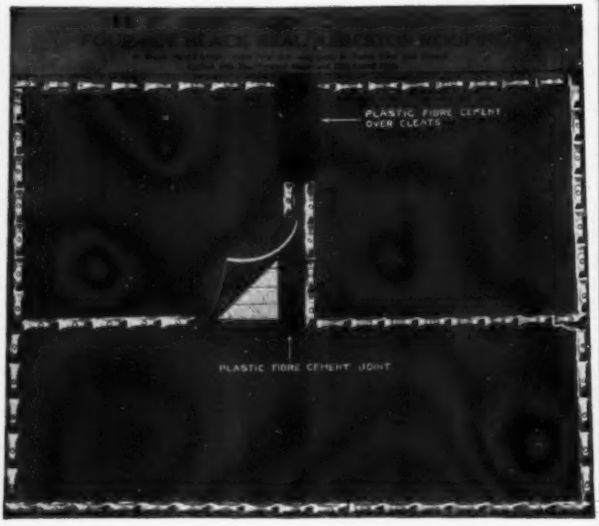
Asbestos can claim some small part of the glory attained by the Bremen in breaking all speed records for crossing the Atlantic. The Bremen's boilers are incased with removable steel plates, over which are packed asbestos pads.

We wish to thank our many friends in the Asbestos Industry who remembered us with calendars, etc. All are appreciated.

Fred Sprinkmann & Sons, Inc., of Milwaukee, Wis., find the tables published from time to time on the Contractors & Distributors Page, thru the courtesy of the Asbestos Board of Trade of New York, most practical and helpful, and suggest that the Board of Trade be given a vote of thanks from the entire Insulation end of the Asbestos Industry for its very unselfish attitude.

Tickets for the International Heating & Ventilating Exposition, to be held in the Commercial Museum, Philalelphia, from January 27th to January 31st inclusive, can be supplied by "ASBESTOS" to anyone interested, upon request. This Exposition is to be held in connection with the 36th Annual Meeting of the American Society of Heating & Ventilating Engineers, the headquarters for which is the Benjamin Franklin Hotel.

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CLASS "A" ROOFING

Four (4) Ply Black Seal Asbestos Roofing for use on Wood Decks with inclines of 3 in. fall to the foot or more. Ideal type of Roofing for saw-tooth construction. Used in connection with all types of Built-up Roofings of either Asbestos Felts, Asphalt Felts or Tarred Felts.

H. F. WATSON MILLS
DIVISION OF THE RUBEROID CO
MANUFACTURERS
ERIE, PENNA.

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PIPE & BOILER
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TEMPERATURE
INSULATION AND
CEMENTS.



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TERRITORIES
OPEN FOR
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