# ASBESTOS

Vol. 6 NOVEMBER 1924 No. 5

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# ... ASBESTOS ...

A MONTHLY MARKET JOURNAL

DEVOTED TO THE INTERESTS OF THE ASBESTOS AND MAGNESIA INDUSTRIES

A. S. ROSSITER — EDITOR

*PUBLISHING OFFICE*

246 NORTH 17th STREET

PHILADELPHIA, - PENNSYLVANIA

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SPECIMENS OF HOLLYWOOD ASBESTOS (AMPHIBOLE VARIETY). DEPOSIT OWNED BY THE ASBESTOS MINING & MANUFACTURING COMPANY OF HOLLYWOOD, GEORGIA.


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# Chrysotile vs. Amphibole

By E. Schaaf-Regelman, *New York City*

Scientists tell us that the Canadian Chrysotile Asbestos is not the real, true Asbestos, but that it is just plain Chrysotile, while the only genuine Asbestos is Amphibole.

Searching in the recesses of our memory, we recall the short yellow fibre which has been produced in Georgia for many years past, but once more the scientists correct our inaccuracy and declare that the Georgia Asbestos should be called "Antophyllite," which is a subdivision of Amphibole. For all practical purposes, however, and to distinguish it from the Chrysotile variety, we will give the Georgia product the generic name of Amphibole.

While Amphibole has always had a certain limited sphere of usefulness in the arts and industries new applications have been found for Amphibole during the last year or two, and so many different industries using short fibre Asbestos in one way or another have made inquiry for Amphibole, desiring to substitute it for the Canadian Chrysotile, that this seems to be a very opportune time to give this product some thought.

Trying to get away from the purely scientific considerations, such as chemical analysis, the effect of a few per cent more or less of chemically bound $H_2O$ and considering the physical or technical differences between Chrysotile and Amphibole only, the following points seem to be of outstanding importance:

Chrysotile derives its main value from the fact that the fibres are long, silky, flexible and of sufficient tensile strength for textile purposes.

Amphibole fibres are short, often brittle and lack tensile strength.

We have therefore two entirely different products, which have not much more in common than the fact that they belong to the same queer family of fibrous minerals, but are otherwise quite unlike each other.

Amphibole will therefore never compete with the major uses of Chrysotile, but it surely will some day replace the short Chrysotile fibres in many industries, as it has valuable qualities which are lacking in Chrysotile.

The short Canadian fibres, asbestos powder or floats



SPECIMENS OF ASBESTOS MINING & MANUFACTURING COMPANY OF HOLLYWOOD, CAL.

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are really only a by-product of the mills; their production has for many years past exceeded the demand and they have therefore been selling at extremely low prices. New applications, vastly increased uses and the feverish activity in the building industries have, however, brought about a radical change in the situation and, while prices for long Canadian Asbestos fibres have gone down steadily since 1920, the short grades and floats have increased in price* and for some qualities the demand exceeds the supply.

In spite of its brittleness, Amphibole shows some points of advantage over Chrysotile, and because of these particular advantages can be used more satisfactorily in certain places than can Chrysotile.

For instance, it is well known that Chrysotile Asbestos loses its strength when subjected to a temperature of 1200° F., while Amphibole is known to have endured as much as 6000° F. without disintegrating or fusing. Bricks were recently sawed from an amphibole rock found in Georgia and tested in comparison with the best fire brick obtainable and, while oxyacetylene flame completely destroyed the fire brick, it could not disintegrate or even materially change the amphibole block of equal dimensions under the same testing conditions. Therefore Amphibole Asbestos should find a wide variety of uses in refractories such as fire bricks, muffles, crucibles, furnace linings and fire cements, stove putties and wherever the highest heat resistance is required.

The short grades of Chrysotile Asbestos are used in very large quantities either alone or mixed with fire clay, hydrated lime or other substances facilitating or hastening the so-called "setting" thereof for covering boilers, furnaces, steam and hot water pipe lines, etc., and Amphibole Asbestos will probably in the near future be preferred for these applications on account of its greater efficiency as an insulator.

One of the drawbacks of Chrysotile Asbestos which has prevented its use in many branches of the chemical industries, is its entire lack of acid resistance and, while Amphibole is not absolutely acid-proof against the actions of the stronger acids like hydrofluoric, it easily withstands all ordinary acids of the usual industrial strength and a wide field is therefore open to Amphibole as a filtering medium

*This article was written before the present price war began.



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IMPORT

EXPORT



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and clarifier in many chemical industries.

The short fibres of Chrysotile and the so-called "floats" are strongly contaminated with either powdered serpentine rock or talc, especially with the latter when coming from the East Broughton quarries. Microscopic investigation shows that serpentine particles are of an irregular shaped, roundish character, while the talc or soapstone present in the fine grades of Canadian asbestos is mostly of a flaky or scaly nature which is a disadvantage in many compositions, where the fibrous nature of asbestos is of importance.

Amphibole asbestos, even if finely powdered, will, under the microscope, show the smallest particles to be of a fibrous or elongated shape which increases the efficiency of many finished products very considerably. The first Amphibole asbestos produced in the United States, as far as the available records show, came from Georgia, where mining and milling operations started in the early nineties. For some years past a deposit in Maryland, not far from Baltimore, has been worked with great success.

---

It is encouraging to note that automobile production for September exceeded that of August by almost 9,000. The actual figures are: August production of passenger cars 251,551 (revised); trucks, 27,510 (revised); total 279,061. September figures, passenger cars 257,947; trucks 30.061; total 288,008.

Just as we go to press we learn that the October production figure is estimated to run about 284,514, a decrease from the September figure.

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## CORRECTION

On page 26 of the October number, we gave the figures of George H. Pride, showing that only one motor fatality occurs for every 4,000,000 miles of car driving. Thru a printer's error, the total of car miles was given as seventy-five million, instead of seventy-five billion, three of the naughts having been omitted.

We also wish to correct an error which appeared on page 34 of the same issue. Near the top of the page we gave figures for "Export of *unmanufactured* asbestos goods." Naturally, this should read "Exports of *manufactured* asbestos goods."



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# The Passing of Another Asbestos Veteran

The sudden death of Thomas Henry Crabtree, of Black Lake, Canada, on October 17th means that another veteran in the Asbestos Industry has crossed the great divide.

Mr. Crabtree, who was well known to many of our readers, has been connected with the Asbestos business since 1889.

He was born in Derby, England, in 1848, being the eldest son of Mr. and Mrs. William Crabtree of Derby. He



*THOMAS HENRY CRABTREE*

came to Canada in 1867 and for two years was in partnership with the late S. B. Jenckes. Later he was a partner of the late Charles Colclough, of Hollis, Me., as iron founders and machinists in Sherbrooke. This partnership



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*Gaskets, Seamless and Jointed*
*Packings, Stem and High Pressure*
*Wick and Rope*

**Asbestos Fibre Spinning Company**

North Wales, Penna.




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was dissolved and Mr. Crabtree went into the same line of business in his own name.

He was married in 1871 to Miss Bertha Matilda Bottome, of Sherbrooke.

In 1887 Mr. Crabtree united with Mr. James Munns, formerly of Concord, N. H., in the plumbing business, under the name of Munns & Crabtree.

Then in 1889 he left Sherbrooke for Black Lake where he was superintendent and manager of the Black Lake Asbestos & Chrome Mines, then operated under the name of the Wertheim Mines and later the Union Asbestos Mines.

When the Union Asbestos Mines were sold to the Black Lake Asbestos and Chrome Company he took up the occupation of inspector of Asbestos and during the war was one of the inspectors for the Imperial Government.

The funeral took place on Monday, October 20th. the remains being interred in the Elmwood Cemetery at Sherbrooke.

Mr. Crabtree is survived by his wife and an only daughter, Mrs. Paul Hammerich.

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In a recent issue of the Canadian Mining Journal we note the following:

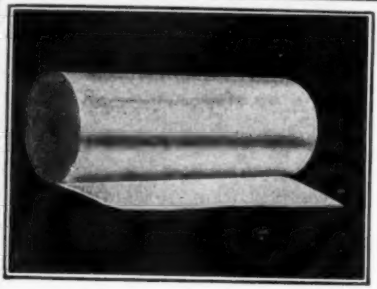
"The serpentine mass of Mount Albert is one of the comparatively few places in the peninsula where good exposures make prospecting easy. The mountain stands up above the surrounding country, is bare of trees, and the steep-sided cirques which border it and the deep gorges which the streams have cut into it, allow an excellent opportunity to prospect it. The minerals which might be expected to occur are asbestos and chromite. Narrow seams of a poorly fibrous variety of chrysotile and small amounts of chromite do occur, but nothing of commercial value has been found.

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Advertisers desiring to run their December advertisements in red, or green or both, or to use a holly border printed in color, can do so at an extra charge of $12.00 per color, per page. In other words an ad. printed in either red or green with a holly border in the two colors, would cost $24.00 extra.



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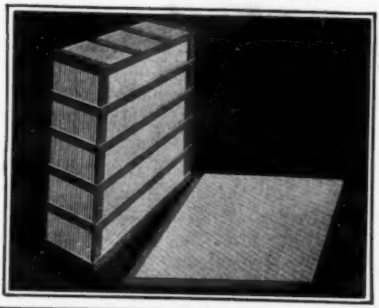
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# MARKET CONDITIONS

Notwithstanding the statements of statisticians, and economists, to the effect that politics has little if any effect on business. certainly today, after the election of Calvin Coolidge to the Presidency of the United States, and the obtaining of a working majority in Congress by the Republican party, all business men are looking for a continuation of the prosperity which was beginning to cautiously show itself.

The upturn which began very gradually about two months ago, has been steadily increasing during the last month, and with Coolidge winning by such a huge majority, it is almost certain to take a more rapid pace.

Perhaps the best thing about the present condition is that we have learned to go cautiously; for instance, the next year or so will not see the automobile makers rushing wildly into production without any consideration of the volume which can be absorbed by the market, for they have learned a lesson.

The next several months should see a steady improvement in both volume and price on nearly all the important lines, and such improvement is bound to have a favorable effect on the Asbestos Industry.

As to the Asbestos Industry itself:

**The Raw Material Market.**

If any change in the raw material market can be recorded at all it is a slight one for the better. Prices for the shorter grades have stiffened somewhat and there is much hope among raw material producers that the trend will develop into an increase in price.

The question is "Has the price war lasted long enough, and hurt the participants sufficiently to result in action of some sort as a relief measure?"

If it has, there is likelihood of there being some interesting developments to report soon.

If it has not—but there is little need of going into that.

**Manufactured Materials.**

The tragedy of the insulation and paper markets is the fact that demand is good. Why then, does not demand bring a decent price? In the face of the volume of business



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offering, the manufacturers are simply throwing money away when they sell at the extremely low prices prevalent.

In the opinion of one Asbestos man, prices in the paper market, and as a result, in the insulation field. will improve only upon an improvement—and a substantial improvement—in the cost of the raw material, meaning asbestos fibres. If the price of paper stock were doubled tomorrow, it is likely that it would bring with it a price on paper and insulation that would show a real profit to the manufacturers.

With business hesitant no longer, the high pressure insulation field should see a marked improvement within the next few months.

In the Asbestos Textile market the condition is not analogous with that of paper, because textiles have no volume to speak of. Improvement in general business, however, will surely tend to improvement in the textile line, and this same comment, all the way thru, is true of packings.

When we say "textiles," we do not include brake lining, for the brake lining business is large enough to be considered as a separate division of the asbestos industry. And besides, its manufacture is carried on in large part outside of the textile division, and its product is marketed in an entirely different manner to entirely different groups.

The brake lining industry therefore looks principally to the automobile market for improvement, and if the automobile market shows improvement it automatically carries the brake lining volume with it. Its price trend will also depend to a large extent on the automobile price line. Entirely aside from this, however, is the replacement business, which is growing rapidly due to safety campaigns and rigid examination into the causes of accidents.

There is therefore small cause for complaint because of volume, in the brake lining end of the Industry, but with an increasing number of firms taking up the manufacture of linings, or contemplating it, and the resultant keen competition, price will continue to be a troublesome factor.

It is up to everybody in the entire Asbestos Industry to study costs carefully and before cutting a price to get the business away from the other fellow, find out if you would not be taking the profit away from yourself.



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*Yellow or Blue*
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# Production as Against Profits

*Contributed*

Quebec Asbestos producers and manufacturers in general fully realize that Henry Ford was right when he held "production as against profits" to be one of the economic systems needing correction and immediate attention.

Admitting the folly of over-production and indiscriminate competition. however, has not yet brought about the slightest effort to end go-as-you-please policies.

Initiative toward curtailment of operations, or standardization of prices is lacking.

First profits are close to the vanishing point because of costs. The Dominion and Provincial Governments are almost the sole beneficiaries, as they get the income and royalty levies.

Investors are reposing on an Irishman's pillow, which consists of nothing in the middle and a vacancy at both ends. With rare exceptions the dividends are nothing-and-a-half net.

On the whole there is just one hopeful sign: producers admit the situation hardly could be worse and those who cannot survive will be interred in due course. Bankers will not intervene further than to deny credits.

Investors wonder when they will receive consideration. The industries interested seek fixity somewhere, anywhere.

Distributors are hardly less perplexed than producers, jobbers and fabricators. It is incomprehensible to the laity and financiers why the Quebec industry is mining at the rate of 3,400,000 tons per annum, milling at the rate of 2,800,000 tons (thus making at the rate of 222,000 tons of assorted products more than was accounted for in the best year and the highest prices) and being content with expressions of sorrow for it all.

Undoubtedly "misery loves company." On the other hand, it is universally recognized that "the Lord helps those that help themselves" without violating precepts moral and economic.





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# CONTRACTORS AND DISTRIBUTORS PAGE

## PROPAGANDA—MAKING THEM THINK

Propaganda, or advertising, has been used to put across almost every sort of idea you could think of.

It is, perhaps, the most effective sort of education known, and it is not used by the asbestos industry to any great extent in any way.

In our September issue we told of the plan used by one association of contractors to have their men report at the end of the day the number of feet of pipe they had covered, and suggested that if the results were posted each day, a spirit of rivalry would be created, and the men would become interested to an extent that work would speed up. Such a method would be classed as propaganda, or advertising of a rather subtle sort.

If a plan of this kind would be productive of good, it might be very easy to extend the idea further.

How many times have we read in a magazine or a book, a paragraph or a sentence which helped you, which you resolved to act on. Perhaps you did remember it and live up to it for a week, or a fortnight—then something came along that put it out of your mind.

Things of this sort are easily forgotten unless kept constantly before us—that's human nature. But in the case of labor, isn't it possible to see that such things are put before the men frequently. If he could receive with his weekly envelope, a small slip attractively telling a story, or a joke, or merely giving a paragraph that would make him stop and think, and later apply the idea to his work, it is quite possible that the result would be an improvement in the calibre of the workmen collectively.

Of course it would be very expensive for an individual contractor to put such a plan into operation if the messages were to be printed altho a small card neatly typewritten might very well serve the purpose. But a contractors association, in a large city, or two or three associations in two or three smaller cities could put it across at small cost.

And a thing of this sort, if short, will be read out of mere curiosity; if it is to the point it will be remembered without effort.





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# Production Statistics

**Rhodesia.**

| | July 1924 Tons | Value |
|---|---|---|
| *Bulawayo District*— | | |
| Nil Desperandum (Afr. Asb. Min. Co., Ltd.) | 620 | £ 9,274 |
| Pangani (J. S. Hancock) | 30 | 357 |
| Shabanie (Rho. & Gen. Asb, Corp., Ltd.) | 1,187 | 29,674 |
| *Victoria District*— | | |
| Gath's (R. & Gen. Asb. Corp., Ltd.) | 413 | 9,555 |
| King (Rho. King Asb. Co., Ltd.) | 414 | 8,281 |
| | 2,664 | £57,141 |

During July 1923 production amounted to 1,929 tons valued at £44,463.

**Union of South Africa.**

| | July 1924 Tons | Value |
|---|---|---|
| Transvaal | 547 | £ 8,708 |
| Cape | 128 | 1,946 |
| | 675 | £10,654 |

During July 1923, shipments amounted to 700 tons, valued at £10,363.

**United States of America.**

A report published by the Bureau of Mines, Department of the Interior, about October 1st, gives the following figures for production of Asbestos in the United States during 1923, and includes also the figures for the five previous years:

| | Chrysotile Tons | Value | Amphibole Tons | Value |
|---|---|---|---|---|
| 1918 | 392 | $101,059 | 606 | $17,628 |
| 1919 | 502 | 229,265 | 659 | 19,000 |
| 1920 | 1,245 | 661,907 | 403 | 16,324 |
| 1921 | 438 | 313,268 | 393 | 23,700 |
| 1922 | 25 | 3,320 | 42 | 6,800 |
| 1923 | 212 | 20,533 | 98 | 4,293 |

All of the chrysotile was mined in Arizona and California, while the Amphibole was mined in Georgia and Maryland.

**POSITION WANTED**

Young man familiar with Asbestos Packings, gaskets, etc., employed for five years with one of the largest textile manufacturers in the country. Also two years with the U. S. Navy, Bureau of C. & R., as Inspector of Asbestos Packings. Has had manufacturing, clerical and selling experience. Available after November 1st. **Address Box IIC-1, "ASBESTOS."**



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unequalled by any other asbestos, besides which it has:

(1). Greater tensile strength
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Blue **Cloth** for Acid Filtration

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(100% Asbestos)

THE RAW MATERIAL IS GRADED AS FOLLOWS:

"S" Crude from ¼ in. to ½ in. in length of fibre
"A" Crude from ½ in. to ¾ in. in length of fibre
"B" Crude from ¾ in. upwards in length of fibre

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# The Asbestos Industry in Europe

*As It Impressed Me*

By C. J. Stover, *President, Consolidated Asbestos Limited*

To the Editor of "ASBESTOS":

Within the past two months it has been my privilege to visit and quite thoroly inspect a few plants in France, Belgium, Holland, Germany and Italy, and to "talk shop" with a great many "asbestos" people.

Generally speaking, a much better tone prevails thruout Europe than was the case at my last visit a year ago. *In England,* the very high taxes, together with the encouragement to idleness given by the Workmen's Unemployment Dole, have combined to make all prices very high and, consequently much finished goods can be imported from France, Italy and Belgium below English cost of production. It is inevitable that one of two things must be done, viz: liquidation of labor and lowering of taxes resulting in lower net costs for English manufactures, or a drastic increase in import duties to place importations more nearly on a parity with English costs.

Asbestos men in England are pegging along, not elated, but much more cheerful than their American cousins would be under similar circumstances.

There is a very real reason for this difference in attitude, and it simply is that the European is patient by contrast, and will *wait* rather than give away his product and some of his capital with it. Here in America many business men insist upon doing business at any cost, but do it they must.

*In Belgium* where nearly the entire asbestos industry is engaged in shingle, lumber and corrugated activity, all plants save that of Eternit are closed down because of the famous patent case, won by Eternit and the effect of which is to give that Company a monoply until 1926. The Eternit Company is naturally quite busy, while quite a few of its erstwhile competitors are forcibly closed.

"Martinit" of *Holland* is enjoying excellent demand for its product.

*The French* plants are all busy and all of France appears prosperous and happy. Perhaps one may be biased a bit, but there *is* something about France and her people



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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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which commands real affection. Cheery, full of energy, never defeated, the French have a way with them that is irresistible.

*In Germany* conditions improve rapidly. Currency has been stabilized so that a Rentenmark is of real value not only in Germany but in every other country it is accepted at par.

There is quite a shortage of money in Germany, so that the Banks are justified in and are obliged to charge prohibitive rates of interest. Hence German manufacturers are working at serious disadvantage and find it almost impossible to operate on a large scale, having too little working capital.

*Italian* Asbestos Factors are quite busy and in Italy is to be found the most recent and most promising new use of Asbestos. At Casale, in a thoroly modern plant of huge dimensions, where for many years past Eternit Pietra Artificiale has been making shingles, etc., now are being made so-called Tubi, or pipes for water, gas, oil and sewage purposes.

It was our privilege to go thru this plant very thoroly, and it is regrettable that neither available space nor limited vocabulary will permit a full description. Suffice it to say that it is truly a marvelous plant, ably managed, producing a remarkably versatile and promising product which has already been adopted by many of the most conservative engineers of Europe.

We believe the day will soon come when asbestos cement pipes will carry most of our water, gas and other liquids. I am informed that "ASBESTOS" has specimens of these pipes in its office, and have no doubt that many of its readers will be interested in examining these specimens.

With a fair operation of the Dawes Plan, Europe will come back fast and, naturally, will increase its consumption of asbestos. Any improvement in this trade will naturally affect United States Manufacturers in that imports from Europe are bound to increase unless and until exchanges swing back more nearly to normal.

The brewed, malted, distilled and fermented products were prolific, delicious and cheap, altho not much cheaper than in New York and Philadelphia.

Cordially,

C. J. STOVER.



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# EDITORIALS

**America's Decided Negative.**

The long anticipated election is over, and the result is most gratifying to those in business circles.

With this worry off their shoulders, business men can heave a sigh of relief and turn their entire attention to business while Coolidge, the safe and conservative, is at the nation's helm.

As one man put it the day after election "Every business man you meet has a smile on his face."

This is not a political magazine, nor is it interested particularly in politics except insofar as politics affects business in general and the asbestos industry in particular, but we cannot help giving one long and loud "hurrah" that the radicals are beaten—badly beaten.

They may try again—they probably will—but not with the same assurance.

They will not even be able to exercise the balance of power in the future.

The American Public has acted true to tradition. Apparently apathetic so long as the radicals kept their place, let them try to force their views on the nation as a whole and head the nation with one of their number, and America rises up in all her might and power and glory, and most decidedly and forcefully negatives such a proposal.

The American people do not want socialism; they do not want Government ownership of railroads; nor the many other things airily promised by the third party. They do want sound business and resulting prosperity—and they'll get it!

---

**The Density of Crocidolite Deposits.**

Some little discussion has arisen as the result of a report made by an inspector of mines in the Union of South Africa.

The paragraph in this report of most interest to the Asbestos Industry states that:

'The mineral (crocidolite) has been found from the borders of the Bechuanaland Protectorate to thirty miles south of Prieska, and it is believed that its extension over this distance of more than three hundred miles is prac-



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tically continuous. The distribution of the asbestos, both as regards the number of seams found from point to point, and the lengths of the fibre, has been found to be very irregular, but in the general case no serious cause has been found for apprehension that the recovery will cease to be payable when underground methods have to be resorted to. Owing to the differences in classification and other circumstances, it is scarcely possible to form a reliable estimate of the length of fibre being produced, but it is believed that nearly 25% of the whole production is 1 inch or over. It is equally difficult to arrive at an estimate of the Asbestos yielded per ton of rock mined, but the proportion certainly exceeds that of most of the other producing fields of the world."

The figure of 25% as the percentage of fibre 1 inch and over, is regarded by some as being rather high, one man in particular, who has a fairly good knowledge of South African Asbestos deposits saying that while in some mines the figure may reach 25%, the *average* percentage of all mines would, in his opinion, run nearer 10 to 12%.

But the principal thing brought out by this correspondent is the fact that while the fibre content per ton of rock mined may be equal, or even higher than that in chrysotile mines, the *density* of the deposits is very low and it therefore requires a very much larger mining area to produce even fifty tons of fibre per month. In other words, the crocidolite does not, as a general thing, occur in masses which can be worked in "benches," but is scattered. This would make the use of expensive drilling and hauling machinery out of the question in many of the mines.

Besides this, the matrix of blue asbestos is an extremely hard rock—ironstone jasper, and this, of course, adds to the difficulty in mining. Serpentine is fairly soft and can be crushed mechanically without difficulty.

For these two reasons our correspondent believes that the blue asbestos mining industry will always depend on a supply of cheap manual labor.

We should be glad to hear further comments on these several points.

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**At Your Service.**

During the last month we have supplied the addresses of various Asbestos firms to those seeking makers or dis-



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tributors of specific asbestos materials; we have made up from our records special tabulations of import, export and production statistics needed by one of the asbestos firms for some particular purpose; we have supplied confidential information of various sorts which would benefit both the inquirer and the firm or individual inquired about; we have made a search for certain patents on asbestos materials which someone needed, and have furnished various other information concerning the Asbestos Industry and those interested in it.

Many of our readers forget that we are here to render services other than the mere publishing of the magazine each month.

If you need any particular information in connection with the Asbestos Industry, let us know and we will do our best to furnish it.

There is one thing, however, which it is impossible for us to furnish, viz: complete and authentic figures covering production and sales of manufactured asbestos goods. No statistics of this sort are being kept at the present time, nor have been kept with any degree of completeness in the past. If the Industry *wants* such statistics (there is no question but that it needs them), this office would be more than glad to act as a depository for the individual reports, tabulating the figures and publishing them.

In any case call on us for service—all kinds. Very likely we can help you.

---

**Brain Teasers.**

The other day two men rather prominent in Asbestos fields, met to discuss certain business problems. One had been working on a cross-word puzzle and upon making some mention of it to the other both agreed that business might go-hang for fifteen minutes or so until they had worked the puzzle out.

The cross-word puzzle craze which is rapidly sweeping the country, appears to prove the statement of the writer who said "Men are but children of a larger growth."

Cross-wording, however, besides being a rather fascinating pastime, is useful as a brain teaser, an enlarger of your vocabulary, and a driller in synonyms and spelling, while it has the added advantages over mah jong, bridge or other games in that it can be played almost anywhere by



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one person, the only implements necessary being the puzzle itself and a pencil. It often fills in tedious periods of waiting.

Anything which keeps the brain active is to be commended, and believe us, those in the asbestos industry nowadays need active brains.

If you want a real test of wits, however, try to make up a cross-word puzzle yourself, using the word "asbestos" either as the word across the top of the puzzle or down one side or the other, and see how many words you can fill in which will have some connection with the Asbestos Industry. That is real fun. If anyone succeeds in working out such a puzzle and sends it to us, we will be glad to have the necessary sketches made in order to publish it.

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# Asbestos in the Color Industry

According to a circular from the Canadian Mining Office, large quantities of asbestos in the form of fibrous asbestine are now being used in the manufacture of colors and paints. This product being fibrous, is fairly spongy and easily absorbs a good deal of oil.

Asbestine is used particularly in the preparation of non-inflammable paints for wood. The following is the formula for this paint: Basic sulphate of lead 18.6, oxide of zinc 11. asbestine 33, borax 0.5, lampblack 0.9, coloring pigment 64, linseed oil 24, dryers 2, petrol 10, filling material 36.

For use as a color, asbestine should be of such a fineness as to leave no residue on a 200 mesh sieve.—Revue de Chimie Industrielle.

---

In syllables three my problem lies,
And lucky is he who wisely buys,
My first from the sun brings light and glee,
My second is better superlatively;
My third from the Latin as bone derives,
My whole makes one safe in the car he drives—

RAY-BEST-OS

From The Silver Edge.



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# Allbestos Corporation

**High Grade Asbestos Textiles**

**Yarns, Brake Linings**
**Clutch Facings**
**Listings**
**Plain and Metallic Asbestos Cloth**
**Wick, Rope and Asbestos Specialties**

Manufactured directly from the raw materials to the finished product in our own factory.

***Belfield Ave. and Fisher's Lane***
***LOGAN, PHILADELPHIA***




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*This page devoted each month to discussion of brake lining activities by A. A. Mowbray, Commissioner of the Asbestos Brake Lining Association.*

That famous writer who declared that the Colonel's lady and a servant girl were sisters under the skin would have been telling the truth if he had also averred that most men are alike.

You've all read the fables about the grass on the other side of the street only appearing to be greener; you've read Acres of Diamonds, and you may have heard the story of the house with the golden windows.

Some manufacturers in the brake lining industry, think it is the worst industry in the world. Do you? If you do, read again the well known tales above mentioned.

There is no doubt but that conditions in the asbestos brake lining industry could be better. There is no denying that some people have been selling below cost to meet current competition. The writer would be ignorant if he did not know these conditions, and cowardly if he did not admit that there is room for improvement. But most of us are tarred with the same brush; some of us should have a backbone instead of a wishbone.

If it is any consolation to know it, however, other industries have the same problems with which we are confronted, and the writer knows of at least one other industry that is worried over long discounts, patent complexes and mean competition. He also knows certain evils prominent in other industries which are not among those present with us.

Not everyone in the asbestos brake lining industry is cutting prices. There are certain manufacturers who are getting real money for their products. They are selling safety, dwelling on the quality of their products and having courage enough to scoff at customers interested only in price.

You may not believe it, but there *are* people who actually want the best at any price, irrespective of the article. They appreciate that the best is the cheapest in the long run. That is why certain jewelers, sweet tooth caterers, hatters, smoke shops, tailors, etc., flourish while competitors offering similar articles for half the price wonder why they aren't making money. People who have done any considerable buying are quite well sold on the idea that if they want the *real* thing they must pay the price.

It is doubtful if there is any line that has more competition than the printing industry. And during the past year prices have been cut and CUT and CUT. but good printers are still



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# Asbestos Corporation
## of Canada, Limited

*The Largest Producers of Raw Asbestos in the World*

*CRUDES*
*SPINNING FIBRES*
*SHINGLE STOCKS*
*PAPER STOCKS*

*Mines*

Kings Mines, Thetford Mines, Quebec
Beaver Mines, " " "
B. C. Mines, Black Lake, "
Fraser Mines, E. Broughton, "

*Head Office*

Canada Cement Building
*Phillips Square* - Montreal

*General Office*

THETFORD MINES
Quebec, Canada




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making money and cheap printers produce printing that looks the price.

Cheer up! Conditions cannot get any worse; and they should improve.

They *will* improve if *every* manufacturer will make a New Year's resolution that, pressure to the contrary, he will not sell at less than cost, plus a reasonable profit, irrespective of the alleged tactics of his competitor. And, if the rumor factory would cease production for a while, perhaps less red ink would be used.

# Asbestos Paper Activities

*This page devoted each month to a discussion of paper activities by the Secretary of the Asbestos Paper Manufacturers Association*

If, as we are led to suspect, the article on the Contractors and Distributors page of "ASBESTOS" for October, entitled "Is Insulation Essential?" was intended to provoke serious thought on the part of distributors of insulating material as to their indispensability, it undoubtedly was a success.

In analyzing the facts of the case, however, it is difficult to agree with the contractor who writes "We are not a trade of absolute necessity."

The superpower plants of today are absolutely dependent on efficient covering for boilers and steam lines, not only to produce power economically, but to make it physically possible to maintain the high temperatures and pressures necessary for their equipment.

Moreover, it is difficult to understand how present day central heating plants could distribute steam to points at any distance from the central plant without the use of pipe covering on the steam lines. Elimination of this covering would result in a prohibitive distribution cost, and, in addition to the high cost, a steam pressure at present unknown to engineering would be required in order to deliver heat and power to distant points.

The boiler is of no use without the engine to convert the steam into power. The pipe line is helpless when heat loss over long lines prevents the delivery of steam either for power or heat. The use of efficient covering in these somewhat extreme cases is fully as necessary as any other link in the chain.

The low pressure covering problem is slightly different since it is physically possible to operate the equipment, even tho inefficiently, without the use of covering.

The contractor complains that high installation cost results in elimination of covering work entirely. This would seem to be a problem that could be adequately met by educational publicity, salesmanship and efficient management. The cost of pipe covering is prohibitive only when the addition of this material fails to demonstrate a saving in fuel cost, over a period of years, greatly in excess of the installation cost. At present fuel prices



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*BASIC MANUFACTURERS OF*

# PACKINGS

FOR

PACKING COMPANIES

Compressed Sheet Packing
High Pressure Packings
Gaskets & Gasketing Material
Metallic Sheet Packing
Valve Stem Packing
Braided Asbestos Packings

## ASBESTOS TEXTILE CO.

*MILLS*
*North Brookfield*
*Mass.*

*OFFICES*
*18 E. 41st Street*
*New York, N. Y.*



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the installation cost would have to be very high before it would eat up the saving involved.

Of course the cost of one contractor may be relatively higher than his competitors but this becomes a problem of management and in most cases it becomes a problem of lower labor costs. Systematic training, breaking in of new employees, and development of more economical application methods would soon meet this condition. The many cases where the equipment is being installed for use by an individual or firm other than the builder, can best be met by local publicity educating the home owner to look for efficient equipment in the building, and wherever possible, by bringing it directly to the attention of the future occupant of the building.

One of the most important factors in the situation, however, and the one which appears to be most neglected is intelligent selling. It is possible for the modern super-salesman to dispose of sunburn lotion in the Arctic regions, in which case he has sold something, but he hasn't made a *sale*. In modern times a complete sale is effected only when a good product is sold at a fair price to a buyer capable of making full use of its utility value.

It is important, therefore, that the viewpoint of the buyer be kept in mind, as the previous article suggests. It is also important, however, to impress upon the buyer the value of the product *to him*, and if the approach is made with the thought that insulation is something that can be dispensed with by the user, instead of with the idea that modern insulation is absolutely indispensable in the interests of conservation of natural resources, general efficiency and individual economy, the chances for success will not be great.

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Building statistics published by the F. W. Dodge Corporation, for September, show an increase over August in the number of buildings, number of projects and new floor space, but a decrease of about $10 000,000 in valuation. The figures are: For August 11,209 buildings, 11,093 projects, 50,767,300 square feet of floor space, $354,442,700 in value. For September, 11,890 buildings, 11,231 projects, 51,630,900 square feet of floor space, $344,316,300 in value.

The principal increase in floor space was in residential buildings, but the value of residential buildings in August exceeded those for September by almost five million dollars. Public Buildings and Public Utilities decreased considerably in all three classes, while social and recreational buildings increased.

---

**Could this have been an Asbestos meeting?**

"We're having a party," telephoned the New York man. "Come on over to it."

"Sorry," said his friend, "but I can't. I've got a case of neuritis."

"Fine!" was the response. "Bring a coupla bottles over with you. This crowd'll drink anything."



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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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**Imports into U. S. A.**

*Unmanufactured Asbestos*:

| | August 1923 | | August 1924 | |
|---|---|---|---|---|
| | Tons | Value | Tons | Value |
| Canada | 17,085 | $530,012 | 11,122 | $352,545 |
| England | 70 | 20,567 | ... | ..... |
| Japan | 9 | 150 | ... | ..... |
| Br. S. Africa | .. | ... | 120 | 17,236 |
| Port. E. Africa | .. | ... | 178 | 34,004 |
| Other Port. Africa | .. | ... | 134 | 18,154 |
| | 17,164 | $550,729 | 11,554 | $422,939 |

Of the above coming from Canada, during August 1924, 760 tons were Crude, 3,226 tons Fibre, and the balance, 7,136 tons consisted of lower grades.

All the material coming from the Africas was classed as Crude.

*Manufactured Asbestos*:

| | August 1924 | |
|---|---|---|
| *Yarn* | Pounds | Value |
| None | | |
| *Fabrics, Woven* | | |
| England | 8,248 | $ 2,100 |
| Canada | 24 | 29 |
| *Packing, Fabric* | | |
| England | 200 | 268 |
| *Packing, not Fabric* | | |
| England | 752 | 110 |
| *Paper and Millboard* | | |
| France (entering Porto Rico) | 169 | 1,472 |
| *Shingles, Slate, Wood or Lumber* | | |
| Belgium | 222,830 | 3,480 |
| Canada | 33,824 | 2,551 |
| *Asbestos Cement* | | |
| Canada | 300 | 59 |
| *Other Manufactures* | | |
| Belgium | 316,700 | 8,353 |
| France | 227 | 92 |
| Sweden | 5 | 24 |
| England | 402,469 | 6,988 |
| Canada | 15 | 3 |
| Total all Manufactured Asbestos | 985,763 | $25,529 |

In August 1923, 1,571,242 pounds were imported, valued at $53,381.



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**Exports from U. S. A.**

*Exports of unmanufactured asbestos* for the month of August 1924, totalled 77 tons, valued at $12.180.00; while in August 1923, 33 tons, valued at $2,235.00 were exported.

*Exports of manufactured asbestos goods:*

| | August 1923 | | August 1924 | |
|---|---|---|---|---|
| | Pounds | Value | Pounds | Value |
| Paper, mlbd. & rlbd... | 245,272 | $14,155 | 113,514 | $ 7,441 |
| Pipe Covg. & Cement.. | 762,066 | 44,840 | 415,585 | 27,605 |
| Textiles, Yarn & Pkg.. | 103,740 | 67,659 | 113,256 | 78,994 |
| Magnesia & Mfrs. of.. | 272,408 | 17,558 | 283,221 | 20,832 |
| Asbestos Roofing ..... | 10,086 sqs. | 39,348 | 1,840 sqs. | 15,946 |
| Other Manufactures .. | 530,413 | 91.559 | 300,481 | 83,359 |

A report recently issued by the Bureau of Mines, Department of the Interior of the United States, gives figures for *Imports and Exports of raw and manufactured asbestos* extending over a period of years. These figures may be of interest to our readers:

| | Imports | | |
|---|---|---|---|
| | Unmanufactured | | Manufactured |
| | Tons | Value | Value |
| 1914 ..... | 64,166 | $1,407,758 | $368,344 |
| 1915 ..... | 83.541 | 1,981,483 | 137,320 |
| 1916 ..... | 108,716 | 3,303,470 | 135,064 |
| 1917 ..... | 119,739 | 4,521,172 | 65,096 |
| 1918 ..... | 122,946 | 6,337,585 | 27,476 |
| 1919 ..... | 120,777 | 7,369,685 | 257,381 |
| 1920 ..... | 149,605 | 9,120,253 | 619,054 |
| 1921 ..... | 64,698 | 2,918,302 | 379,858 |
| 1922 ..... | 149,427 | 5,144,700 | 308,910 |
| 1923 ..... | 189,661 | 7,445,143 | 417,684 |

| | Exports | | |
|---|---|---|---|
| | Unmanufactured | | Manufactured |
| | Tons | Value | Value |
| 1914 ..... | ... | .... | $ 513,037 |
| 1915 ..... | ... | .... | 764,050 |
| 1916 ..... | 279 | 6,133 | 1,209,076 |
| 1917 ..... | 632 | 116,580 | 1,932,551 |
| 1918 ..... | 622 | 51,053 | 2,493,325 |
| 1919 ..... | 999 | 157,416 | 3,529,348 |
| 1920 ..... | 549 | 141,071 | 4,431,132 |
| 1921 ..... | 464 | 101,616 | 2,606,426 |
| 1922 ..... | 376 | 49,939 | 1,494,747 |
| 1923 ..... | 607 | 48,525 | 2,089,951 (b) |

(b) Except roofing.



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**Exports from Canada (Raw Asbestos).**

| | July 1923 Tons | July 1923 Value | July 1924 Tons | July 1924 Value |
|---|---|---|---|---|
| United Kingdom | 460 | $ 19,875 | 1,030 | $ 49,545 |
| United States | 11,358 | 470,393 | 3,567 | 223,596 |
| Australia | ... | ..... | 40 | 1,950 |
| Austria | 400 | 30,000 | .. | .... |
| Belgium | 1,285 | 72,150 | 20 | 1,200 |
| France | 475 | 41,973 | 655 | 52,600 |
| Germany | 1,884 | 157,022 | 341 | 31,460 |
| Italy | 22 | 742 | 63 | 5,683 |
| Japan | 610 | 41,195 | 293 | 13,155 |
| Netherlands | 120 | 5,850 | 77 | 3,245 |
| Other Countries | ... | .... | .. | .... |
| | 16,614 | $839,200 | 6,086 | $382,434 |
| *Sand and Waste—* | | | | |
| United Kingdom | 270 | 4,530 | 420 | 7,664 |
| United States | 8,022 | 94,412 | 6,563 | 77,976 |
| Belgium | 30 | 600 | .. | .. |
| France | .. | ... | 10 | 80 |
| Germany | 200 | 3,000 | .. | .. |
| Other Countries | 30 | 450 | 2 | 40 |
| | 8,552 | $102,992 | 6,995 | $85,760 |
| Grand Total | 25,166 | $942,192 | 13,081 | $468,194 |

**Imports by England.**

*Imports of raw material* for August 1924, compared with those for August 1923:

| | August 1923 Tons | August 1923 Value | August 1924 Tons | August 1924 Value |
|---|---|---|---|---|
| From Rhodesia | 395 | £11,639 | 756 | £25,961 |
| From Canada | 211 | 2,601 | 538 | 6.326 |
| From Other Countries | 325 | 9,015 | 371 | 8,508 |
| | 931 | £23,255 | 1,665 | £40,795 |
| Re-Exports | 365 | £12,430 | 308 | £9,948 |

*Exports of manufactured asbestos* materials during August 1924, comparing with those for August 1923:

| | August 1923 Tons | August 1923 Value | August 1924 Tons | August 1924 Value |
|---|---|---|---|---|
| To Netherlands | 48 | £ 3,551 | 11 | £ 3,387 |
| To France | 20 | 8,534 | 60 | 15 974 |
| To United States | 4 | 1,149 | 13 | 2 584 |
| To British India | 62 | 4,140 | 247 | 8,117 |
| To Other Countries | 572 | 29,242 | 934 | 62,201 |
| | 706 | £46,616 | 1,265 | £92,263 |



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# NATIONAL AanA SLATE SURFACED ROOFING

(*Asbestos and Asphalt*)

1. Guaranteed for 20 years (cheapest per square per year Roof).
2. Fire Resisting. Class B Underwriters rating (other Asphalt Roofings rated Class C).
3. Non Curling.



**Strip and Individual Shingles for houses**

**In rolls for factories, barns, warehouses and R. R. Buildings.**

By capitalizing its advantages over Rag Felt types of Asphalt Roofings Asbestos Material dealers can, by proper sales effort make the sale of National AanA Roofing a very profitable department of their business.

## NATIONAL ASBESTOS MFG. CO.

**163-193 Henderson St., JERSEY CITY, N. J.**

*Also Manufacturers of*

***Air Cell Pipe and Boiler Coverings***
***Asbestos Paper both flat and corrugated***




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# The Needs of the Canadian Asbestos Industry

The Financial Post, published in Toronto, Ont., Canada, devotes the special section of its October 24th issue to Asbestos.

By whoever inspired, the articles contained appear to be sanely written, and give a very fair overall picture of the Asbestos Industry. Besides giving statistics as to production, imports and exports, and information as to new or peculiar uses of asbestos, the articles bring out the most important needs of the Industry at the present time. We will quote a few pertinent paragraphs:

* * *

What is asked by the companies is that Quebec and Canadian governments, between them, should evolve some law that would prevent American asbestos manufacturing concerns, owning Canadian mines from throwing their surplus production on the market.

* * *

It is felt that some arrangement should be entered into between the governments of Canada and Rhodesia for an agreement tending to stabilize the industry as a whole by establishing limits of production and maintaining prices at a fair level.

* * *

It isn't entirely up to any one group to aright conditions. The government can listen sympathetically and act where fairer treatment seems necessary. The heads of the producing companies can get together and sink their differences for the common good and hold production at a sane level. Business men can study the problems of the industry in order to build up an informed public opinion favorable to any sane action for relief.

* * *

Co-operation between the companies in fixing production and in controlling sales is bound to come, altho difficult to effect today. This may be in the nature of voluntary co-operative effort, or it may come as a result of a merger



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or a series of mergers of the leading producers.

* * *

The mines have also asked the Quebec provincial government to abolish the royalty tax. This was at one time 5 per cent, but about a year ago was reduced to 2½ per cent. Asbestos producers consider even this amount confiscatory.

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A general review of the Asbestos Industry entitled "Many Problems in the Asbestos Industry," published in the November 5th issue of the Montreal Gazette, reaches our desk just before we go to press. The article is long and interesting, and if any of our readers care to peruse it, we will be glad to lend them a copy.

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**Modern Times**

Any girl can be gay in a classy coupe;
In a taxi they all can be jolly,
But the girl worth while is the one that can smile
When you're taking her home on the trolley.

—The Forecast.

**Paul Hammerich**

Inspector of Asbestos, Crude and Fibre. Reports on Asbestos Mines and Mills.

THETFORD MINES - QUEBEC, CANADA

**Tropische & Ueberseeische Rohprodukten A. G.**

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# NEWS OF THE INDUSTRY

**Birthdays.** It is our pleasure this month to extend congratulations and best wishes to the following gentlemen on the occasion of their birthdays: Richard V. Mattison, M. D., President, Keasbey & Mattison Company, whose birthday date is November 17th; F. R. Anderson, Vice President & Treasurer, Sall Mountain Company, on November 24th; Samuel Davis, General Sales Manager, Consolidated Asbestos Limited, November 25th; John W. Latchum, President, American Insulation Company, November 28th; S. P. Moffit, Sales Manager, American Insulation Company, November 29th; R. W. Potter, President, H. F. Watson Company, December 5th; and Christopher Huber, President, Asbestos Spinning Company, December 8th.

We wish executives of Asbestos Companies who are not included on our birthday list, would send in their names with the date of their birth (not necessarily the year). We are particularly desirous of obtaining the birthday dates of executives in the contracting trade.

**Asbestos Brake Lining Association.** Robert J. Stokes, secretary of the Thermoid Rubber Company, of Trenton, N. J., has been elected President of the Asbestos Brake Lining Association. Mr. Stokes succeeds M. F. Judd, who resigned from the Presidency of the Asbestos Brake Lining Association because of pressure of other business which prevented his giving the proper attention to the work of the organization, and whose resignation was accepted with real regret by the membership. Mr. Judd is vice president of the Raybestos Company at Bridgeport, Conn.

J. M. Weaver of the Keasbey & Mattison Company, Ambler, Pa., has been elected Second Vice President of the Association.

Arnold W. Koehler, of the Asbestos Textile Company, New York City, continues as First Vice President and A. A. Mowbray, of New York City, remains as Commissioner.

**Wunderlich, Limited.** We were greatly delighted to receive a few days ago a most beautifully illustrated pamphlet published by Wunderlich, Limited, of Sydney, N. S. W., Australia, illustrating and describing their Durabestos Asbestos Cement Sheets and Slates.

The art work in this 32 page book is particularly good, and the pictures of Australian buildings with Australian backgrounds are naturally very interesting.

**Servicised Products Corporation** has opened new office headquarters at 6051 W. 65th Street, Chicago. Their factory at Des Plaines will be moved into a modern equipped plant at the same address in Chicago within the next few months.

**The Silver Edge,** published by the Raybestos Company, always contains helpful and interesting material. The latest issue, Vol. 4, No. 11, which reached our desk a few days ago is no ex-



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# Nederlandsche Asbest My.

Importers of Asbestos
Crudes and Fibres

**ROTTERDAM - HOLLAND**

Tel. Address:
Nedam Rotterdam

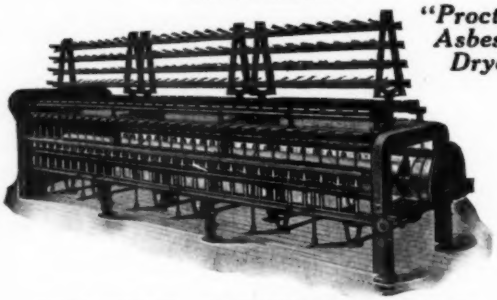
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Codes
A B. C. 5th Edition
Western Union
Lieber's Code

## *ASBESTOS YARN MACHINERY*

*"Smith-Furbush"*

*"Proctor" Asbestos Dryers*



**PROCTOR & SCHWARTZ, INC.**

*Formerly Smith & Furbush Machine Co.*

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





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# CYPRUS CHRYSOTILE ASBESTOS SHINGLE STOCK.

*Two Grades Only*

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LOWEST COST

**CYPRUS ASBESTOS COMPANY**
LIMITED

**Sales Office**
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ception to the general rule. The story of "The Serv-U Shop—a Curiosity Shop," particularly attracted our attention because we were interested in the close follow-up employed by this shop.

**"Lime and Magnesia"** is the title of a book recently published. The author is N. V. S. Knubbs, 8 Bouvene St., London, E. C. 4. The book is divided into three parts treating respectively of the chemistry, manufacture and uses.

**Brake Lining Decree Reversed.** Our readers will be interested to know that a decree of the Court of Chancery, Trenton. N. J., issued some time ago and directing the Asbestos Brake Company, the H. W. Johns-Manville Company and the Thermoid Rubber Company to render an accounting for royalties from the manufacture of brake linings and brake bands, and upheld at the June term of the Court of Errors and Appeals, has recently (during the latter part of October) been reversed as the result of a reargument by the Court of Errors and Appeals.

It will be remembered that the proceedings were instituted by Mitford C. Massie, both individually and as trustee for the Brake Liners Company, and Conrad Hubert, it being charged that both the Manville and Thermoid Companies refused or neglected to pay royalties specified in license agreements.

Information concerning this suit will be found in the March 1921 number of "ASBESTOS" on page 56; the January 1923 number, page 44; and the October 1923 number, page 42.

**Colors for Asbestos Cements.** An article appearing in the October 20th issue of the Oil, Paint & Drug Reporter, under the title "Varnish Makers Formulary," gives quite a bit of information as to the coloring of Asbestos plastic cements. We will be glad to lend the article to anyone interested.

**The Canadian Institute of Mining & Metallurgy** in its November Bulletin publishes quite a lengthy article on "Mines and Mineral Deposits of Canada," by R. P. D. Graham, Professor of Mineralogy, McGill University, Montreal, Que., the article having been prepared by Prof. Graham as the official contribution of the Canadian Institute of Mining and Metallurgy to the Empire Mining and Metallurgical Congress held in London, England, June 3rd to 6th inclusive, 1924. Prof. Graham devotes several pages of his article to Asbestos, writing principally concerning its geological occurrence.

**The Cyprus Asbestos Company, Limited,** on October 31st, moved its London Office to 49 St. James' Street, London, S. W. 1. Their new telephone number is Regent 5710.

**The Birthday Mine, Rhodesia,** which adjoins the famous Shabani mines, has recently been purchased from Willoughby's Consolidated Limited, by the Rhodesia & General Asbestos Corporation Limited, owner of Shabani. In addition to the Birthday Mine, the R. & G. Asbestos Corporation has acquired further properties, including "Orphan's Luck," which also adjoins the Shabani Mine.

**How do YOU Advertise?**

Hilton Brothers, Limited, Asbestos Contractors of Winni-



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peg, Canada, are using an attractive six page folder of letterhead size, for the purpose of bringing to the attention of householders, the saving effected by the use of pipe covering on their heating plants.

Two pages of the folder are left blank so that a direct letter appeal may be made thereon. On a third page Air Cell Paper and Coverings are illustrated, with explanation of their insulating qualities, and on this page also appear illustrations of pipe and boiler covering installations. The three remaining pages are given over to reproduction of letters from various firms and individuals telling of savings made by the use of pipe covering.

Hilton Brothers tell us that the letter, which is being sent to householders in certain districts, is bringing good results.

We suggest an interchange of advertising ideas among contractors. How do you place your services and material before prospective users?

## PATENTS

**Asbestos Container** and Method of making same. No. 1,508,069. Granted on September 9th to Thomas Rose, Ambler, Pa. Filed November 9, 1922. Serial No. 599,766.

Described as a box having inherent rigidity in its wall structure, said box being made from a blank of Asbestos material, cut to form the bottom, sides and ends of the box body; the sides and ends of the blank being folded into contact at the corner portions of the box and said contacting portions while in a plastic state being welded together by a pressure sufficient to cause the material of the blank to coalesce into integral homogeneous welded unions.

**Transmission Band Lining.** No. 1,511,126. Granted on October 7th, to Wm. H. Heil, Paterson, N. J. Filed August 11, 1923. Serial No. 656,861. Described as a method of making woven lining for bands, consisting in forming a strip of woven fabric of a greater thickness than the thickness of the finished lining, and containing only the warp and weft yarns and subjecting it to pressure to form a compact strip of the desired thickness and width and ravelling its end to provide for a ready absorption of lubricant.

**Lining for Transmission Bands.** No. 1,511,885. Granted on October 14th, to Martin B. Hill, Houston, Texas. Filed November 13, 1922. Serial No. 600,603. Described as the combination with an imperforate transmission band, of a lining therefor, having metal lined apertures existing therethrough from face to face and closed on the face of said lining by said band, whereby oil cups are formed to receive oil on the radiation of the brake drum, the oil being concealed in said cups on the application of the brake and pulled out onto the drum by vacuum should slippage occur between the drum and the brake.

**Bells United Asbestos Company, Limited,** has reprinted in attractive booklet form, the article "The Development of the Asbestos Industry," which appeared in the Anniversary Number of the India Rubber Journal. Extracts from this article were quoted in the September number of "ASBESTOS."



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STATEMENT OF THE OWNERSHIP, MANAGEMENT, CIRCULATION, ETC., REQUIRED BY THE ACT OF CONGRESS OF AUGUST 24, 1912.

Of "Asbestos" (Insert title of publication.) published monthly (State frequency of issue.)

at Philadelphia, Pa (Name of post office and State.) for October 1 (State whether for April 1 or October 1.) 1924

STATE OF Pennsylvania
COUNTY OF Philadelphia } ss.

Before me, a Notary Public in and for the State and county aforesaid, personally appeared A. S. Ponsitz who, having been duly sworn according to law, deposes and says that he is the Editor of the "Asbestos" (State whether editor, publisher, business manager, or owner.) (Insert title of publication.) and that the following is, to the best of his knowledge and belief, a true statement of the ownership, management (and if a daily paper, the circulation), etc., of the aforesaid publication for the date shown in the above caption, required by the Act of August 24, 1912, embodied in section 443, Postal Laws and Regulations, printed on the reverse of this form, to wit:

1. That the names and addresses of the publisher, editor, managing editor, and business managers are:

| | Name | Post office address |
|---|---|---|
| Publisher | Secretarial Service | 246 W. 17th St. Ph'la |
| Editor | A. S. Ponsitz | Blue Bell, Pa |
| Managing Editor | A. S. Ponsitz | " |
| Business Manager | A. S. Ponsitz | " |

2. That the owners are: (Give names and addresses of individual owners, or, if a corporation, give its name and the names and addresses of stockholders owning or holding 1 per cent or more of the total amount of stock.)

Secretarial Service company Blue Bell, Pa
A. S. Ponsitz
E. C. Fox 1134 S. 52nd St, Phila. Pa

3. That the known bondholders, mortgagees, and other security holders owning or holding 1 per cent or more of total amount of bonds, mortgages, or other securities are: (If there are none, so state.)

None

4. That the two paragraphs next above, giving the names of the owners, stockholders, and security holders, if any, contain not only the list of stockholders and security holders as they appear upon the books of the company but also, in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting, is given; also that the said two paragraphs contain statements embracing affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees, hold stock and securities in a capacity other than that of a bona fide owner; and this affiant has no reason to believe that any other person, association, or corporation has any interest direct or indirect in the said stock, bonds, or other securities than as so stated by him.

5. That the average number of copies of each issue of this publication sold or distributed, through the mails or otherwise, to paid subscribers during the six months preceding the date shown above is..... (This information is required from daily publications only.)

A. S. Ponsitz
(Signature of editor, publisher, business manager, or owner.)

Sworn to and subscribed before me this 27th day of September 1924

[SEAL] Jean-Baptiste Metz

(My commission expires ..... 192 .)

NOTE.—This statement must be made in duplicate and both copies delivered by the publisher to the postmaster, who shall send one copy to the Third Assistant Postmaster General (Division of Classification), Washington, D. C., and retain the other in the files of the post office. The postmaster must publish a copy of this statement in the second issue printed next after its filing.

# BUYERS CLASSIFIED INDEX

**Being a listing of those firms whose products are of particular interest to those in the Asbestos Industry.**

**Rate for listing supplied on application.**

**We hope to gradually make this listing of great value to our readers.**

## ASBESTOS TEXTILE MACHINES

**WHITIN MACHINE WORKS, Whitinsville, Mass.**



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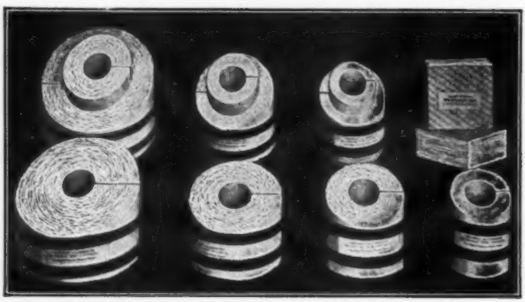
**IMPERIAL ALL ASBESTOS COVERING**

**Wire Stitched with Water Proof Jacket for outside work**



**IMPERIAL ALL ASBESTOS COVERING**

**Wire Stitched—Canvass Jacket—Metal Banded**
**For High Pressure and Superheated Steam Lines**



A combination of the two most effective insulating elements, i. e., felted Asbestos and "dead" Air Space.

Will not loosen nor crumble from vibration.

Can be removed and replaced without injury.

Will not Sag on Pipes. Strong and Flexible.

— Manufacturers —

**H. F. WATSON COMPANY**

**CHICAGO BRANCH**
5331-39 S. Western Ave.

**Erie, Pa.**




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# *85% Magnesia*

## STEAM PIPE AND BOILER INSULATION AND LOCOMOTIVE LAGGING



The Lightest Weight Steam Pipe and Boiler Insulation Made

**That is Structurally Strong and Permanently Effective**

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## "Ehret's 85% Magnesia"

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Since 1897

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*Distributors Everywhere*

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# Short on "Shorts"

Shipments of low grades have been extremely heavy during the past two months. On this account prices will stiffen.

Are you **certain** that your 1925 wants will be filled to your entire satisfaction?

## AND

It is to be remembered that ofttimes a good demand for "SHORTS" is a forerunner of a good demand in all grades.

## NO. 2 CRUDE

Can be replaced by HiTest Spinning Fibres. Mix with Crude 1.

**Consolidated Asbestos Limited**

***Canada Cement Building***

**Montreal, - Canada**



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