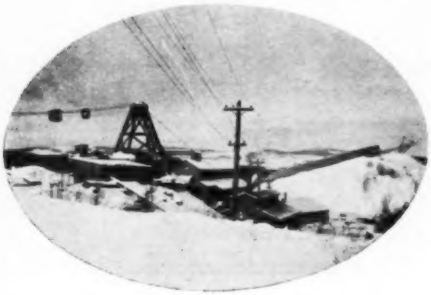
ASBESTOS

Vol. 4 **APRIL, 1923** **No. 10**



FURNISHING A COMMON VANTAGE GROUND WHERE THOSE INTEREST IN ASBESTOS AND MAGNESIA MAY MEET FOR DISCUSSION

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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

London Office - 2nd Floor, 86-88 Wardour St., W. I.

Volume IV APRIL, 1923 Number 10

CONTENTS

Cover Page—View of a Canadian Plant in Winter (Maple Leaf Asbestos Corp.). Photo by Courtesy B. Marcuse.

	Page
Editorials - - - - - - - -	5
Comments on the Wire Market - - - -	10
Market Conditions - - - - - -	12
Asbestos Furnace Cement - - - - -	14
Canada's Asbestos Production During 1922 - -	16
Berthold Marcuse - - - - - -	18
Mine Shortage of Cars Leads to Waste of Coal -	20
Quality of Crude Asbestos - - - - -	21
Contractors and Distributors Page - - - -	24
Asbestos In Electrical Products - - - -	29
Production Statistics - - - - - -	32
Imports and Exports of Asbestos - - - -	33
News of General Interest - - - - - -	38
News of the Industry - - - - - -	40

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Asbestos Magazine, 1923, April 1923
ACL Doc 12090 · Page 5 of 57
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Photo by courtesy of E. Schaaf-Regelman.

Asbestos Cobbers, Arizona

Second of Series Showing Asbestos Workers in Many Lands

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EDITORIALS

Gossip.

Do our readers know of any trade in which gossip is more rampant than in this, the asbestos industry?

So quickly does news fly that we are almost tempted to accuse someone of broadcasting it by radio.

We are thankful to say that it isn't often malicious gossip—and if anyone in the industry falls into good fortune, either by chance or hard work, the whole industry appears to be genuinely glad.

We have often been amused, however, by the weird tales that sometimes circulate, which, when traced, have very little if any foundation.

A case in point was that concerning the Arghan Company. The story in brief, as it came to us, is something like this:

The Arghan Company was formed in England for the mining of asbestos in the Malay Peninsula. by steam shovel methods, and the probable result would be to so cut the cost of mining that Canadian, African, Russian and other miners would promptly be put out of the business.

The story sounded far fetched, as we had never heard of asbestos being found to any great extent, if at all, in the Malay Peninsula, and we started a little investigation. The facts so far gleaned are these:

The Arghan Company was registered in London on November 20, 1919, and on July 5, 1922, the capital of the company was increased from £40,000 to £60,000. The directors of the company are Abraham Montefiore, a produce merchant; Henry Wilson, of the Belfast Ropework Company; Thomas Dunwoody, of the Belfast Ropework Company. and S. H. D. Harding, a rope manufacturer. The company was formed for the purpose of obtaining information regarding valuable fibre plant from Charles Henry Wickham, who is in a position to advise as to obtaining such fibre plants. The company deals in fibre, sisal, hemp, rubber and palm oil.

Later we learned that there has been newly discovered a fiber known as "arghan," which may take the place of

Asbestos Magazine, 1923, April 1923
ACL Doc 12090 · Page 7 of 57
Published by AsbestosClaims.Law
asbestosclaims.law/library/12090/7

flax and cotton in the manufacture of textiles. It is said to be half as strong again as the best flax and hemp, weaves into fine cloth that bleaches and dyes easily, resists the action of sea water and has unexcelled wearing qualities. It is derived from a plant of the pineapple type which originally grew only in South America, but is being transplanted to the Malay states, Ceylon and India, by manufacturers who plan to bring it to perfection. And now we find a note in the Canadian Textile Journal to the effect that the Federated Malay States have granted a concession of 5000 acres to the Arghan company for the cultivation of arghan fibre.

From all of which it would appear that the Arghan Company has no intention of entering the asbestos industry—their efforts seeming to be directed along other textile —not mining—lines.

This little story may act as a hint to our readers to submit wild tales to this office, so that they may be traced and the actual truth learned. Why not?

Asbestos or "Other Fireproof Material."

The rather exhaustive tests being conducted by the Bureau of Standards on theatre curtain cloth of various kinds led us to make some little investigation as to the ordinances covering theatre curtains in the larger cities. While our inquiry into this matter is not nearly finished, it has progressed far enough to bring to light at least two interesting points: first, that nearly all building codes specify an asbestos curtain, and second, nearly all of them contain the additional phrase "or other fireproof material."

Many of the codes give exact specifications as to the installation of the curtain, but it seems to be left up to the owner of the theatre to put in *any kind* of a curtain provided it is "fireproof," and the designation "fireproof" is not explained or elaborated on in any way.

So far we have noted but two instances where the asbestos curtain is described at all, that of the state of Massachusetts, which specifies that "Asbestos curtains that raise bodily shall be of commercially pure asbestos cloth with wire insertions and weighing not less than 2½ pounds

Asbestos Magazine, 1923, April 1923
ACL Doc 12090 · Page 8 of 57
Published by AsbestosClaims.Law
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ARIZONA



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HAMBURG

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IMPORT

EXPORT

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ACL Doc 12090 · Page 9 of 57
Published by AsbestosClaims.Law
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per square yard. Other asbestos curtains may be of plain commercially pure asbestos cloth, weighing not less than 2 pounds per square yard." While the Ohio state code states that the asbestos curtain shall be of "pure asbestos fibre, shall weigh not less than three pounds per square yard and shall be reinforced with wire or wires spun in the asbestos."

It may be that the Bureau of Standards tests will have some effect on the definiteness of the building ordinances. In any case it would seem to be desirable for the makers and sellers of asbestos curtains to make some concerted move, in order that the asbestos curtain may be described in the building code in a more detailed manner, precluding the possibility of inferior asbestos curtains being installed, and likewise the elimination, if possible, of the words "or other fireproof material." If a steel curtain is permissable, why not so designate—"other fireproof material" is so indefinite as to invite all sorts of competition from products the installation of which would endanger lives of theatre goers.

If "ASBESTOS" can do anything to help along the asbestos theatre curtain cause, remember that we are always at your service. In the meantime if any of our readers would like to be placed on our mailing list to receive tabulations of our findings on this subject, a request to that effect will bring the desired information.

With the Politics Left Out.

One of the trade papers in the iron and steel industry recently announced that they would publish in a forthcoming issue an article dealing with the Ruhr situation "with the politics left out."

The phrase used suggested to us that a good many situations, both at home and abroad, might be very much improved if the politics were left out.

Sometimes it would appear that the only goal aimed at by our congressmen is the gaining of notoriety by objecting to everything that anybody else proposes, regardless of whether the proposal is for the good or ill of our country.

The people's "representatives" or "misrepresentatives" have found certain chords, which, no matter how

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ACL Doc 12090 · Page 10 of 57 asbestosclaims.law/library/12090/10

ALLBESTOS CORPORATION

High Grade Asbestos Textiles Yarns, Brake Linings Tapes and Cloth

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PHILADELPHIA

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ACL Doc 12090 · Page 11 of 57
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often they are played, strike the popular fancy, and naturally they consider it to their interest to play them often.

Regulation of big business is one of these, and in so regulating, our Government has done more to harm the public than any monopoly of a business would ever desire or think of doing. No sooner has some brain evolved a method which cuts costs, increases demand and likewise production, than government, which knows nothing whatever about the matter, and cares less, steps in and "regulates," the result being higher costs and—naturally—higher prices.

If the Government, and some people, could only realize that the more closely the units of an industry are associated, the better service, both in quality of product and price, can be given the public, it would go a long way toward solving the consumer's cost of living problems.

Why have forty factories making three or four products of a certain group, when by associating and dividing production as it should be divided, the product could be made at lower cost, better quality, advertised more widely, distributed more cheaply, and consequently reach the consumer at much lower price.

Of course we know that this will be labelled "radical" but—isn't it, after all, true?

Comments on the Wire Market

The Standard Underground Cable Company (makers of bare and insulated copper wire and cables, and of bare copper, brass and bronze wire for all uses) reports a firm undertone in the market for copper, and the zinc market somewhat irregular, with a tendency to decline. Buyers are showing caution in buying.

Copper wire bars are held at 17⅜c by the principal producers, altho second-hands are inclined to shade that price a little. Prompt prime western zinc is nominally 7.70 to 7.75c E. St. Louis basis, with reductions of 5c to 10c per hundred for each month, making June and July quotations about 7.50 to 7.55c. There are reports of shortage of labor at some of the western zinc plants, and of demands for higher wages.

Asbestos Magazine, 1923, April 1923
ACL Doc 12090 · Page 12 of 57
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HIGH GRADE ASBESTOS TEXTILES

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Gloves, Mittens, Leggins
Gaskets, Seamless and Jointed
Packings, Steam and High Pressure
Wick and Rope

Asbestos Fibre Spinning Company

North Wales, Penna.

Asbestos Magazine, 1923, April 1923
ACL Doc 12090 · Page 13 of 57
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MARKET CONDITIONS

"Are times good or being good, are they bad?" seems to be the question asked by bankers, financiers and business men generally.

In other words, is the prosperity we are experiencing, real honest to goodness prosperity, or is it "boom" prosperity which will end in deflation and all the ills to which deflation is heir?

Many and varied are the views taken and the arguments advanced but perhaps the most promising thing is that the question is asked at all, for, by forcing the public to stop and think, to act with caution, much of the evil of boom times will be averted, particularly will it check an orgy of buying which might otherwise prove disastrous.

Such is the condition of business in general in the United States. Now let us turn to our own Industry. In the Asbestos business there is no such thing as a "boom", unless the large demand prevailing for Pipe Covering might be considered one. True it is that the Paper and Covering mills are busy (due, of course, to the huge building program), but even they have their troubles. Chief among these is the difficulty in securing raw material, occasioned by car shortage at the mines, which threatens to seriously affect the Covering business—but we have commented on this to some extent elsewhere in this issue. Prices in the Covering line are low, flirting around cost, and therefore the tendency will be upward.

It is not hard this month, in surveying the general situation in the Industry, to pick out the most important event. It is, unquestionably, the wage advance of 20% at the mines, effective April 1st. Just why, in the face of existing conditions in the market, the advance was made, is hard to see. Mine operators are selling very near cost at the present time. It is calculated that this advance of 20% will increase the cost of mining crudes and fibre $5.00 a ton on *all grades*. Unquestionably, then, prices on raw material will advance—they *must* advance.

Russia may before long become a factor, particularly in the European market. We expect during the coming months to be able to secure regularly Russian Export fig-

Asbestos Magazine, 1923, April 1923
ACL Doc 12090 · Page 14 of 57
Published by AsbestosClaims.Law
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ures on Asbestos, and will keep our readers closely advised.

In the textile line distributors report an increased demand in almost all lines, due to increased industrial activities, and predict an upward curve in prices.

The Shingle season is opening and should prove a good one. if the building program is any indication, altho competition will be keen. The Slate producers are staging a campaign which will undoubtedly increase the demand for slate, and in the Asbestos Shingle line itself, new companies formed during the past year or two are ready for a vigorous selling campaign, while one firm is greatly extending its shingle sales force.

On the whole the manufacturing end seems to be promising and this will probably eventually have good effect on the mining end.

One of our readers has been kind enough to write us in reply to editorial in the March number of "ASBESTOS" entitled "Why No Grading of Crudes?" His comments are quoted below for the benefit of those interested:

"Canadian crudes are graded and have been for many years, into No. 1 and No. 2; some of the mines make a third grading which they call R-M; others make a No. 3.

"Canadian crudes are graded according to length and most of the mines have the same standard, considering all material of 1 inch and over as No. 1, while under 1 inch is No. 2.

"Your correspondent who was studying the asbestos industry makes a misstatement when he says all fibres above ½ inch were thrown together as No. 1 crude. There is a big difference between crude and fibre.

"The word "crude" is very often misleading and an explanation might be that all materials which are hand-cobbed and do not pass thru the mill are designated as crudes; all other grades are called fibres.

"As to African grading, in this country nearly everything is handled by manual labor, no milling process is used, and the material is sold according to length only."

We will welcome other comments.

Asbestos Magazine, 1923, April 1923
ACL Doc 12090 · Page 15 of 57
Published by AsbestosClaims.Law
asbestosclaims.law/library/12090/15

Asbestos Furnace Cement

(A Few Points of Interest)

Asbestos furnace cement as the name implies, is used for furnaces, ranges, heaters and stoves. The cement must be strong and durable for "setting up" and repointing work. It should adhere readily and firmly to metal and castings and set a few hours after application.

It is manufactured from refractory materials or cements, mixed with long fibre asbestos, which has a high content of water of crystallization. Certain oils are added to the refractory materials and the asbestos, to give elasticity to the cement. A special binder is also added to hasten the setting qualities.

Cement of this kind is prepared ready for use and has the good quality of being able to air dry, setting in a few hours after application. Good asbestos furnace cement will, when subjected to heat, vitrify without shrinking or cracking; it should be without odor and prevent the escape of smoke, gases and dust, thus insuring a good draft.

Asbestos furnace cement is sold to furnace manufacturers, steam fitters, tinsmiths, hardware stores, plumbers—in fact, anyone who manufactures or puts into place furnaces, stoves or ranges.

Because of the large variety of so-called asbestos furnace cements the consumer has a difficult problem before him as to just what brand to purchase. The best thing to do is to buy from a manufacturer who has a stable source of supply, the one who is able to select at all times, particularly if he owns his own mines, suitable asbestos fibres which will make not only the best but the most uniform asbestos furnace cement. Some manufacturers who cannot control their source of supply may be compelled to use asbestos fibres which are not uniform and not suitable for the particular manufacture of furnace cement. When anyone is desirous of purchasing furnace cement they should take into consideration the above mentioned points as well as the reputation of the manufacturer. This is the best guarantee.

Asbestos Magazine, 1923, April 1923
ACL Doc 12090 · Page 16 of 57
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West Coast Asbestos Co.

DOWNEY, - CALIFORNIA

MANUFACTURERS ASBESTOS TEXTILES

Woven Asbestos Brake Lining
Rubberized Asbestos Brake Lining
Clutch Facings - Asbestos Gaskets
Valve Stem Packing
High Pressure Packing
Sheet Packing - Ring Packing
Asbestos Cloth - Asbestos Yarn

TERRITORY OPEN

Will make attractive proposition to well-established houses on territory east of Illinois. Shipments made to Atlantic Coast points at practically same freight cost and delivery time as from inland factories.

Why Not Have An Independent Source of Supply?

The West Coast Asbestos Company is private owned and not affiliated in any way with any other asbestos company.

West Coast Asbestos Co.

DOWNEY - CALIFORNIA

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ACL Doc 12090 · Page 17 of 57
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Canada's Asbestos Production During 1922

The preliminary statement on mineral production in the Province of Quebec for the year 1922 reached us just too late to be commented on in the March number.

The graph on page 17 gives a better idea of relative production of crudes and fibres, etc., than would mere figures. but at that the figures which we tabulate below, showing shipments and stocks on hand, will prove interesting as a basis for study and conjecture.

SHIPMENTS AND SALES

	1922			1921		
	Tons	Value	Av. per ton	Tons	Value	Av. per ton
Crude No. 1	467	$302,932	$648.68	184	$234,482	$1,281.32
Crude No. 2	1,905	505,442	265.32	760	339,649	446.91
Spng. Fibre	6,675	1,386,472	207.71	5,372	1,413,318	263.09
Shingle Fibre	9,651	781,732	81.00	9,650	981,872	101.75
Paper Stock and Other	141,631	3,066,190	21.65	71,509	2,230,468	31.19
	160,329	6,042,768	37.69	87,475	5,199,789	59.44
Asbestic	16,011	15,403	96	12,397	14,536	1.17
	176,340	$6,058,171		99,872	$5,214,325	

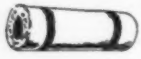
STOCKS ON HAND

	December 31st, 1922			December 31st, 1921		
	Tons	Value	Av. per ton	Tons	Value	Av. per ton
Crude No. 1	1,105	694,681	628.67	857	965,837	1,127.00
Crude No. 2	3,093	972,036	314.27	2,475	1,710,163	690.97
Spng. Fibre	11,505	2,421,724	210.49	7,646	2,124,801	277.89
Shingle Fibre	8,596	717,713	83.49	5,324	524,490	98.51
Paper Stock and Other	17,902	868,430	48.51	37,043	1,439,307	38.85
	42,201			53,345		

In studying these figures, some of the questions which naturally occur to us are:

Why are stocks on hand valued at higher figures than the prices now prevalent in the market?

Why is the average value of the stocks on hand of No. 2, in both years, so much higher than the average value of shipments and sales of the same grade?



Asbestos Magazine, 1923, April 1923
ACL Doc 12090 · Page 18 of 57
Published by AsbestosClaims.Law
asbestosclaims.law/library/12090/18

Illustrating 1923 Canadian Production

The figures are as follows:

Rock mined, represented by the whole large figure—2,922,772 tons.

The small black square, B and C together, represent crudes, fibres and asbestic produced, or 165,193 tons.

The small black square shows crudes only, 3,238 tons, while C is the asbestos used by the United States in 1923, 133,500 tons.

D is Rhodesian production for 1923, or 15,957 tons.

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Berthold Marcuse

ANOTHER ASBESTOS PIONEER

Berthold Marcuse, whose death was reported in the March number of "ASBESTOS," was one of the pioneers in the asbestos industry.

He was born in Wongvovitz, Germany, November 22, 1854, coming to Canada about 1873, where he became a naturalized British subject. Some time after his arrival in Canada he took a trip to Australia, a real adventure in those days when the trip took several months.

Mr. Marcuse first became interested in the asbestos industry in 1893, when he, together with Feodor Boas, purchased the old Jeffrey Asbestos & Slate Company, in Danville, which they reorganized into the Danville Asbestos & Slate Company. This company became subsequently the Asbestos & Asbestic Company, and is at present owned by Johns-Manville, Inc. At one time Mr. Marcuse was connected with the Johns-Manville Company thru a subsidiary company, the American Asbestic Company.

Later Mr. Marcuse was connected with the Glasgow and Montreal Asbestos Company at Black Lake, in which he was associated with the late William Slater and Henry M. Whitney. This company's holdings are now part of the British Canadian Mine, and owned by the Asbestos Corporation of Canada.

In 1897, Mr. Marcuse went to Montreal, and in conjunction with Feodor Boas and Beaumont Shephard, formed the Canadian Asbestos Company, distributors of asbestos manufactured products, which business is still in existence. He served this company as vice president, secretary and treasurer for many years, resigning finally on account of ill health and selling his interest to Mr. Shephard.

In all, Mr. Marcuse was connected with the asbestos industry for about thirty years and was widely known by asbestos people, both in Canada and abroad. His son, Bernhard Marcuse, of New York City, well known to our readers, has inherited his love for and interest in the asbestos industry.

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ACL Doc 12090 · Page 20 of 57 asbestosclaims.law/library/12090/20

ASBESTOS

We prepare

ASBESTOS

Canadian Crude
White Rhodesian
Yellow or Blue
South African

For Your Particular Requirements

ASBESTOS LIMITED
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Works: BOUND BROOK, N. J.

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Mine Shortage of Cars Leads to Waste of Coal

The car situation in Canada is becoming so acute that miners' warehouses are clogged with material which is badly needed in the States.

It has been difficult for the miners to ship regularly all winter, first because of the numerous embargoes placed on various railroad lines in the States which were occupied in the transportation of coal, and next, because of the shortage of cars.

Last fall when the movement of wheat began a great many cars left Canada and after the wheat was unloaded at various points in the States, the cars, instead of being loaded with materials for Canadian points, and headed for or towards Canada, were sent on, perhaps south, or west—the result being that many cars owned by Canadian railroads are being used in the States.

The railroads in the States claim that a partial cause of this tie-up is the fact that many cars are frozen to the rails in New England, where the winter has been unusually severe, and that as soon as warmer weather comes, so that they can be moved, they will be sent northward.

Be that as it may, the Canadian railroads decline to send any more Canadian owned cars into the States, with the result that the whole asbestos camp receives perhaps ten cars a day, perhaps one, and those ten, or that one, must be apportioned among the various mines.

When looked at from an economic standpoint, the situation is very unfortunate. The greater bulk of asbestos being shipped from Canada and on order there by United States manufacturers at the present time, goes into the making of magnesia pipe covering, or into paper which later in turn is made into air cell and other coverings. Covering at present, owing to the building boom, is much in demand, and if shortage occurs (and it undoubtedly will occur unless the situation is soon relieved) it means that a great many buildings, particularly residential buildings, will be put up without adequate covering of the pipes which run thru the walls of the building and which, if once left uncovered can never be insulated.

Asbestos Magazine, 1923, April 1923
ACL Doc 12090 · Page 22 of 57
Published by AsbestosClaims.Law
asbestosclaims.law/library/12090/22

This means first of all permanent loss of business to the contractor who installs the pipe covering, to the manufacturer of air cell covering, to the manufacturer of the paper which goes into the making of aircell, and finally, to the miner.

But moreover, it means that for years and years, these pipes which are left uncovered, will be the means of wasting, in the aggregate, very large quantities of coal.

It is proposed to present the matter to the Department of Commerce to see if relief cannot be obtained thru that source.

If our readers have any suggestions to offer as to ways of securing relief we would be very glad to have them, and will see that they are put into operation in the best way.

Quality of Crude Asbestos

Our last two issues have contained some remarks concerning the relative quality of asbestos from Canada, South Africa, Arizona and Russia, and it seems that the statements made have started a considerable amount of discussion among our readers, whose opinions, naturally, vary a great deal with their preference for asbestos of different origin for various purposes.

We have at times been accused by some of our correspondents in Arizona of having "knocked" the home product, altho we always endeavor to give all sides of the question, leaving it to our readers to draw their own conclusions. For that reason we are very glad now to give space to one of our correspondents from Arizona, hoping to hear from others along these lines so as to give our readers all the information available on the subject.

Our correspondent writes:

The unfavorable comment which is heard occasionally on Arizona asbestos has, in the writer's experience, always been uttered by those directly interested in the Canadian mines and, in a few isolated instances, by users who had been uncautious enough to buy a few small stray lots of Arizona Asbestos from prospectors, or other irresponsible parties.

Every mining camp will produce an inferior crude asbestos in the early days of its history, when surface mineral is shipped. This happens even today in the oldest asbestos mining district in Canada when new deposits are being opened, as

Asbestos Magazine, 1923, April 1923 Published by AsbestosClaims.Law
ACL Doc 12090 · Page 23 of 57 asbestosclaims.law/library/12090/23

surface material which has been subject to weathering influences, will invariably contain a weaker fibre than the mineral obtained from greater depth. No matter how good its inherent qualities, if asbestos is carelessly mined or badly cobbed, the users will consider it inferior to another asbestos which is more carefully and cleanly prepared, tho the fibre of the latter may be weaker or have other undesirable qualities. In other words, the spinning value of a good Asbestos can be utterly destroyed by improper handling and the user of asbestos cannot judge it by its original quality, but must judge it by the one it presents when it is put before him.

In comparing asbestos of one origin with that of another, we must presume that both are mined and cobbed with equal skill. Canadian producers possess the skill of preparing their asbestos properly for the users thereof. The riff-raff from the western mining camps, which drifted into the Arizona Asbestos field at times of inflated prices, knew nothing about asbestos, and the small operators there, who hire a few Mexicans and Indians to do some digging and shoveling for them, have placed an inferior article on the market. The large mining companies in Arizona, however, who employ engineers and skilled labor, do not spoil what nature has provided, but produce an asbestos which is superior in tensile strength, silkiness and length of fibre to any other asbestos produced anywhere else. Moreover, they cob it cleaner than the average Canadian producer, as they have realized that the handicap of a higher cost of production can be overcome only by bringing an asbestos of superior quality on the market, for which the consumers thereof are willing to pay a better price.

Once the initial difficulties are overcome, it is comparatively easy for producers in Arizona to maintain the high standard of quality, as the rock mined there not only shows the highest percentage of Crude No. 1 and 2 of any in the world, but in the best properties the percentage of Crude No. 1 constitutes over one-half of the production, and only fibre of one inch and longer is graded as No. 1 Crude, against ¾ inch and more in Canada, and in No. 1 Arizona Crude the percentage of fibre two inches and longer is more than twice that found in Canadian Crude No. 1.

SALES ENGINEER WANTED for New England territory. A "real live wire," thoroly familiar with the pipe covering contract business. Prospects and remuneration unlimited to the right man, with an opportunity of obtaining an interest in the company. Every assistance will be given to develop territory. Write, giving full particulars relating to past history, education, etc. Correspondence will be treated strictly confidential.

ADDRESS 4L-1, "ASBESTOS"

Asbestos Magazine, 1923, April 1923
ACL Doc 12090 · Page 24 of 57
Published by AsbestosClaims.Law
asbestosclaims.law/library/12090/24

ASBESTOS TEXTILE CO.

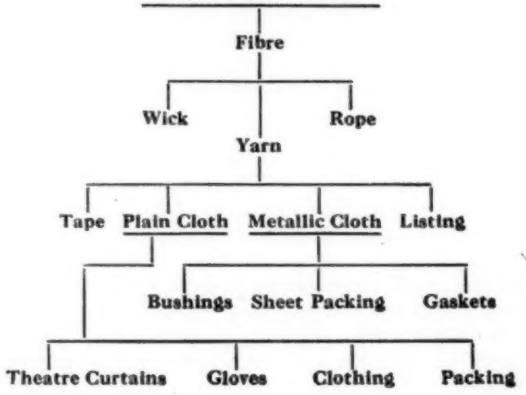
INCORPORATED

MILLS
NORTH BROOKFIELD,
MASS.

GENERAL OFFICES
18 E. 41ST. ST.,
NEW YORK

WE MANUFACTURE

ASBESTOS



Compressed Asbestos Fibre Sheet Packing

"Quality and Service"

Asbestos Magazine, 1923, April 1923
ACL Doc 12090 · Page 25 of 57
Published by AsbestosClaims.Law
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Contractors and Distributors Page

The Importance of the Right Sort of Supervision

In the contractor's organization, perhaps the man performing the most important function, and the one who is most responsible for the success or failure of the business, is the supervisor of the contract work. He may be known as the superintendent, or perhaps, in the small organization, "foreman" may be his simple title, but no matter what his title, no matter whether the business is large or small, on the supervisor depends in very large part, the difference between the profit and loss sides of the ledger.

Regardless of many opinions to the contrary, and notwithstanding the fact that the foreman or superintendent in some organizations is merely one of the workmen raised in position, salary and title, the chief requisite in the right sort of superintendent is a personality which will win and hold men.

The supervisor whose conception of his job is simply checking up on the men to see that the figures for the payroll are correct and ready on time, will not save for his employer the many dollars, both in material and work that he should save.

In fact in a large shop, the superintendent, if he is the right sort, will save his salary many times over in material alone.

If he is the right sort he will so hold his men that there will be less loafing on the job, less material lost, "mislaid" or spoiled, less inefficient work—and yet, if he is the right man his shop will be less liable to labor troubles than those shops where the supervisor is lax in his methods.

Labor, like children, is quick to learn when it can and when it cannot do certain things; men take advantage of the easy foreman and in consequence of loafing and not being kept to the mark, become easily dissatisfied. But when they are held by a firm hand, and encouraged by a personality which brings out the best they have in them, that is when we have the cheerful workman and the satisfied shop.

In these days when labor troubles are ever imminent, it is of the utmost importance that the supervision of labor be the best to be obtained.

Asbestos Magazine, 1923, April 1923
ACL Doc 12090 · Page 26 of 57
Published by AsbestosClaims.Law
asbestosclaims.law/library/12090/26

Asbestos Fibre Company
Incorporated

Maple Leaf Asbestos Corporation
Limited

MINERS OF
CANADIAN ASBESTOS CRUDES AND FIBRES



View of One of Our Mills

Mines Offices
THETFORD MINES — BLACK LAKE EAST
QUEBEC, CANADA

Sales Office
342 Madison Ave., New York City

Cable Addresses
CHRYSOTILE—NEW YORK
LEAFBESTOS—NEW YORK

Publishers of "ASBESTOLOGY"
Free to All Interested in Asbestos
CRUDES AND FIBRES

CORRESPONDENCE IN ANY LANGUAGE

Asbestos Magazine, 1923, April 1923
ACL Doc 12090 · Page 27 of 57
Published by AsbestosClaims.Law
asbestosclaims.law/library/12090/27

Aminco

ASBESTOS
SHINGLES

ASBESTOS
LUMBER

ASBESTOS
CORRUGATED
SHEATHING

National Distribution Through Exclusive Agencies

Write for Details

American Insulation Co

MANUFACTURERS - DISTRIBUTORS - CONTRACTORS

Roberts Ave. and Stokley St.

PHILADELPHIA, PA.

Asbestos Magazine, 1923, April 1923
ACL Doc 12090 · Page 28 of 57
Published by AsbestosClaims.Law
asbestosclaims.law/library/12090/28

Several New Suggestions

Mr. B. Marcuse submits several ideas for study by The Chrysotile Fellowship, maintained at the Mellon Institute of Industrial Research.

First: Asbestos being a splendid non-conductor of heat and cold, when finely fiberized may be efficiently employed by the medical profession in making and padding jackets used in cases of pneumonia.

Second: Asbestos Paper has been successfully employed as print paper in photography.

Third: Asbestos Paper has been made so fine and pure that writing upon it in ink is possible and practicable.

Fourth: What about phonograph records, made chiefly of Asbestos? This has been done, but, to be practicable, the Asbestos fibres must be very clean and uniform. Makers of cold moulded insulation might profitably cooperate with producers of asbestos fibres in finding the answer to this problem. Millions of phonograph records are made and sold yearly, and special appliances for cleaning fibres would be profitable investments if this prospective market could be opened up.

Full credit will be given for any and all suggestions submitted and **YOU** are invited to help spread the gospel of Asbestos.

Will you help?

Consolidated Asbestos Limited

Canada Cement Building

Montreal, - Canada

Asbestos Magazine, 1923, April 1923
ACL Doc 12090 · Page 29 of 57
Published by AsbestosClaims.Law
asbestosclaims.law/library/12090/29



Black Lake Asbestos and Chrome Company
LIMITED

Head Office
Jacobs Building, Montreal, Canada

European Office
10 Rue de la Pepiniere
Paris

Mines: Black Lake, Que.

Miners of
Crudes and Spinning Fibres
Specializing in Shingle Stocks

Controlling
Union Asbestos Mines
Southwark Mines
Imperial Asbestos Mines
Black Lake Chrome Mines
Coleraine Chrome Mines



Asbestos Magazine, 1923, April 1923
ACL Doc 12090 · Page 30 of 57
Published by AsbestosClaims.Law
asbestosclaims.law/library/12090/30

Asbestos In Electrical Products

By B. S. Beach,

General Electric Company, Schenectady, N. Y.

In the manufacture of electrical products, asbestos is extensively used, principally in compositions where it is desired to produce insulation adapted to the resistance of heat. The heat-resisting quality of asbestos, together with its fibrous structure, which provides great mechanical strength, are the characteristics that make it valuable for use in electrical manufactures.

Electric circuits or apparatus of moderate voltage and large current capacity in which high temperatures may be generated or encountered, require the use of heat resistant insulation. Asbestos is largely used for such service, in the form of both fabric, tape, etc., and in compounds of other materials.

Asbestos is used very greatly in molded insulation. The fibrous structure of asbestos, even in the case of short fibres, gives the necessary mechanical strength without which the binders in molded insulation would be too brittle.

In the last fifteen years, asbestos has been of great importance in the development of molded insulation. Without it, the progress that has been accomplished would not have been as readily made. In this type of insulation, it is used with varnish gums, asphalt and resins, both natural and synthetic. It is particularly valuable in conjunction with inorganic binders, for arc-deflecting materials.

Its fire-resisting qualities prevent the arc from readily affecting the organic binders in molded insulation, unless the latter should be present in the composition in too great an excess. Asbestos in any composition is entirely inert toward climatic conditions, with the exception that it absorbs water or other fluids.

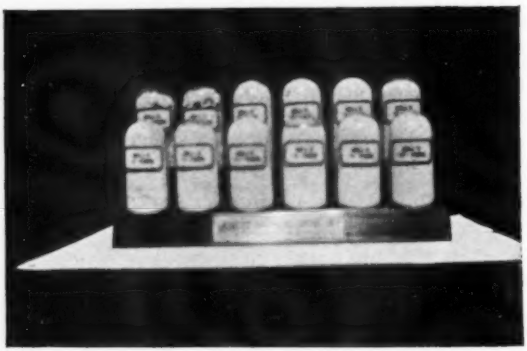
While, alone, asbestos would be of limited use as an electrical insulator, as it readily absorbs moisture from the air, yet when combined with binders in the proper manner it proves one of the most useful elements in molded insulation.

Asbestos is also made into sheet form, for use in the insulating of electrical products, and in this form is known

Asbestos Magazine, 1923, April 1923 Published by AsbestosClaims.Law
ACL Doc 12090 · Page 31 of 57 asbestosclaims.law/library/12090/31

as asbestos board or paper which may be used in the natural condition or treated with some asphaltic or oily material to render the structure impervious.

The Asbestos & Mineral Corporation has recently distributed to one hundred of their friends and clients, the very good looking exhibit of Canadian Crudes and Fibres shown below.



The asbestos contained in the bottles is from the Bell Mine. The bottles are plainly marked with the grade designation and stand in a mahogany tray bearing the nameplate of the Asbestos & Mineral Corporation.

The whole assembly is most attractive and further than that, is very convenient.

"ASBESTOS" has been lucky enough to be the recipient of one of these stands.

Every employer in Pennsylvania should acquaint himself with the provisions of the proposed new workmen's compensation law, presented in Senate Bill 332.

This bill substantially increases the percentages for various kinds of injuries and also lengthens the periods over which compensation payments would continue.

Asbestos Magazine, 1923, April 1923
ACL Doc 12090 · Page 32 of 57
Published by AsbestosClaims.Law
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of the following Grades:-

MARKS REGISTERED THROUGHOUT THE WORLD

RHODESIAN CRUDE ASBESTOS

C & G	C & G	C & G
1	2	3
V R A	V R A	V R A
1	2	3
K	K	K
2	3	4



Also Blue Crude No. 1, 2, 3

Hobdell, Way & Co.
LIMITED

LONDON, ENGLAND

Special Representatives for United States

W. D. CRUMPTON & CO.

Rooms 1008-9 No. 8-10 Bridge St.

New York City - New York

To Whom All Inquiries Should Be Addressed

Asbestos Magazine, 1923, April 1923
ACL Doc 12090 · Page 33 of 57
Published by AsbestosClaims.Law
asbestosclaims.law/library/12090/33

Production Statistics

Canada.

See page 16.

Rhodesia.

Report from the Rhodesia Chamber of Mines gives the following figures for production of asbestos in Rhodesia during December, 1922:

Bulawayo District—		
Nil Desperandum (Afr. Asb. Mng. Co. Ltd.)	317	£ 6,336
Pangani (J. S. Hancock)	15	234
Recompense (D. M. Reid)	15	150
Shabani (Rho. & Gen. Asb. Corp.)	625	15,369
Lomagundi District—		
Ethel (Union & Rho. Tr.)	60	1,500
Victoria District—		
Balmain (Afr. Asb. Min. Co.)	44	882
Gath's (Rho. & Gen. Asb. Corp.)	264	6,589
King (Rho. King Asb. Co.)	518	10,371
	1,858	£41,701

Production by months for the year 1922 as compared with 1921, shows the following:

	1922 Tons	1921 Tons		1922 Tons	1921 Tons
January	557	2,500	July	1,443	1,775
February	380	2,227	August	1,712	1,212
March	436	1,990	September	1,558	588
April	940	2,925	October	1,668	629
May	828	2,345	November	1,799	589
June	1,069	1,993	December	1,858	755
				14,248	19,528

Union of South Africa.

Sales and shipments from the Union of South Africa during December, 1922, were as follows:

	Tons	Value
Transvaal	459½	£7,790
Cape	369½	6,030
	829	£13,820

Asbestos Magazine, 1923, April 1923
ACL Doc 12090 · Page 34 of 57
Published by AsbestosClaims.Law
asbestosclaims.law/library/12090/34

Figures for the year, by months, are as follows:

January	270 tons	July	349 tons
February	226 tons	August	361 tons
March	433 tons	September	281 tons
April	285 tons	October	474 tons
May	202 tons	November	352 tons
June	322 tons	December	829 tons
		Total	4,384 tons

Imports and Exports of Asbestos

Imports Into U. S. A.

We are glad to give our readers this month figures for imports which have been held up so long by the installation of the machinery for the new tariff law. Note that the figures for October include the last nine days in September, the new law having gone into effect on September 21st.

Imports of unmanufactured asbestos:

	October		November	
	Tons	Value	Tons	Value
From Canada	17,852	$667,547.00	13,924	$420,246.00
England	40	9,061.00	70	17,774.00
China	...	.....	...	75.00
Br. S. Africa	14	2,685.00	86	41,564.00
	17,906	$679,313.00	14,080	$479,659.00

Imports of manufactured asbestos, by countries:

	October		November	
	Lbs.	Value	Lbs.	Value
From Austria	11,000	$ 3,250.00	...	$.....
Belgium	289,553	19,150.00	93,579	1,882.00
Germany	3,158	3,816.00	.....	.....
Netherlands	.....	.....	75	10.00
England	17,388	6,120.00	10,521	5,503.00
Canada	175,594	5,821.00	3,970	608.00
Australia	1,120	169.00	.....	.....
	497,813	$38,326.00	108,145	$8,003.00

Imports of manufactured asbestos for October, 1921, (in which, of course, the last nine days of September are not included) amounted in dollars and cents to $38,382; for November to $45,147. Figures in pounds are not available for 1921.

Exports from the U. S. A.

Exports of unmanufactured asbestos for the month of January, 1923, amounted to 8 tons, valued at $1,402.

Asbestos Magazine, 1923, April 1923 Published by AsbestosClaims.Law
ACL Doc 12090 · Page 35 of 57 asbestosclaims.law/library/12090/35

Exports of manufactured asbestos goods for January, 1923:

Paper, Millboard and Rollboard	268,684 lbs.	$10,845.00
Pipe Covering and Cement	450,734 lbs.	38,815.00
Textiles, Yarn and Packing	84,950 lbs.	39,636.00
Magnesia and Manufactures of	640,930 lbs.	46,806.00
Asbestos Roofing	2,049 squares	12,658.00
Other Manufactures	212,552 lbs.	58,985.00

Exports from Canada (Raw Asbestos).

	January 1923 Tons	Value
To United States	5,844	$344,102.00
United Kingdom	147	11,175.00
Belgium	540	34,500.00
Australia	...	.....
France	428	25,770.00
Germany	170	34,625.00
Italy	22	4,400.00
Japan	470	22,750.00
Netherlands	...	.....
Spain	...	.....
Switzerland	...	.....
Other Countries	...	.....
	7,621	$477,322.00
Sand and Waste:		
To United States	2,768	29,570.00
United Kingdom	90	870.00
Other Countries	15	165.00
	10,494	$507,927.00

Imports into England (Raw Asbestos).

	January	February
From Rhodesia	470 tons	1,246 tons
Canada	218 tons	135 tons
Other Countries	1,653 tons	50 tons
	2,341 tons	1,431 tons

Exports from England (Manufactured Asbestos).

	January	February
To Netherlands	42 tons	18 tons
France	28 tons	38 tons
United States	15 tons	3 tons
British India	132 tons	72 tons
Other Countries	460 tons	552 tons

It will interest our readers to know that during January 1922 England exported to the United States just 15 tons, exactly the same quantity as was exported to the United States in 1923; in February 1922 she exported 17 tons to the United States against 3 tons this year.

Asbestos Magazine, 1923, April 1923 Published by AsbestosClaims.Law
ACL Doc 12090 · Page 36 of 57 asbestosclaims.law/library/12090/36

AFRICAN ASBESTOS MINING CO.

LIMITED

24-31 Willoughbys Buildings, P. O. Box 504

BULAWAYO

Southern Rhodesia

Producers of

RHODESIAN WHITE ASBESTOS FIBRE

Graded Over the Most Modern Plant and Thoroughly Clean and Free From Grit

Owners of

NIL DESPERANDUM MINE SPHINX MINE	SHABANI
SERPENTINE MINE	BELINGWE
CROFT MINE	FILABUSI
BALMAIN MINE REGINA MINE	MASHABA

Managing Agents for

BIRTHDAY MINE — SHABANI

Sole Distributors

THE ASBESTOS & ELECTRICAL FITTINGS CO. LTD.

5 Lloyds Avenue

LONDON, E. C. 3, ENGLAND

TELEGRAPHIC ADDRESS: "VULBESTON" London

Codes: BENTLEY'S, LIEBER'S, A. B. C. 5TH EDITION, WESTERN UNION, UNIVERSAL EDITION

Asbestos Magazine, 1923, April 1923
ACL Doc 12090 · Page 37 of 57
Published by AsbestosClaims.Law
asbestosclaims.law/library/12090/37

Carey

ASBESTOS AND ASPHALT PRODUCTS

85% MAGNESIA

ASBESTOS FIBRE
Eight Standard Grades

MAGNESIA
Carbonate of Magnesia Powder
Pure Carbonate of Magnesia Blocks
Light Calcined Magnesia
Heavy Calcined Magnesia
In Technical and U. S. P. Grades

ASBESTOS AND MAGNESIA
PIPE AND BOILER COVERINGS
A correct heat insulation for each condition.

ASBESTOS ROOFINGS
ASBESTOS PAPER AND MILLBOARD
INSULATING AND HIGH TEMPERATURE CEMENTS
BOILER SETTING CEMENT
ASBESTOS ROPE AND WICK PACKING
ASBESTOS GASKETS

PREPARED ASPHALT ROLL ROOFINGS
BUILT-UP ASPHALT ROOFINGS
SLATE SURFACE SHINGLES

WATERPROOFING
Asphalt and Tarred Felts
Waterproof Insulating Paper
Roof Paints
Asbestos Roof Cements
Asphalt Pitch

THE PHILIP CAREY COMPANY
Lockland, Cincinnati, Ohio

Asbestos Magazine, 1923, April 1923
ACL Doc 12090 · Page 38 of 57
Published by AsbestosClaims.Law
asbestosclaims.law/library/12090/38

Summaries.

Delay in receiving U. S. Government figures for Imports, (due entirely to the putting into operation of the much maligned new tariff law) accounts, of course, for our delay in publishing figures covering imports for the last three months of 1922, and the totals for the whole year.

For this reason, also, our readers will find some yearly totals in the March number, some in this, the April issue, and, alas, we are afraid some of them will have to wait over until May, instead of all being published in the same month as we would like to have them. But when all figures finally do arrive, we will make a short summary of them and so mark them that our readers will know just where to look for the details.

This month we can give you the imports of asbestos from Canada for 1922 (some of these figures being taken from Canadian records) and exports from the United States of crude asbestos during 1922.

Imports of asbestos from Canada during 1922:

January	6,889 tons	July	12,263 tons
February	6,724 tons	August	13,828 tons
March	7,418 tons	September	15,587 tons
April	7,266 tons	October	14,178 tons
May	9,586 tons	November	13,268 tons
June	10,707 tons	December	16,187 tons
		Total	133,901 tons

Exports of crude asbestos from the United States during 1922:

January	29 tons	July	10 tons
February	1 ton	August	1 ton
March	.. tons	September	30 tons
April	92 tons	October	3 tons
May	138 tons	November	16 tons
June	1 ton	December	15 tons
		Total	336 tons

Paul Hammerich

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

THETFORD MINES - QUEBEC, CANADA

Asbestos Magazine, 1923, April 1923
ACL Doc 12090 · Page 39 of 57
Published by AsbestosClaims.Law
asbestosclaims.law/library/12090/39

NEWS OF GENERAL INTEREST

The National Association of Stationary Engineers will hold its 41st Annual Convention in the Broadway Auditorium, Buffalo, N. Y., September 10th to 14th, 1923. Those of our readers who desire to exhibit their products at this convention should communicate promptly with F. N. Chapman, Secretary of the National Exhibitors' Association, Care A. Leschen & Sons Rope Company, 5909 Kennerly Avenue, St. Louis, Mo.

Over 12,000 persons met death by auto accidents during 1922.

Fire losses in January 1923 totalled 430, property destroyed being valued at $26,276,300. During the previous month, December, the loss due to fires was reported as $44,045,000, but the number of fires in December were but nine more than in January.

Building statistics compiled by the F. W. Dodge Company for twenty-seven states show a total of contracts awarded in February of 6,338 projects, valued at $229,937,600, this showing an increase of approximately $12,600 over January. The F. W. Dodge Company has added to its statistics nine Southern States, and the total of contracts awarded during February in these nine states is 742 projects, valued at $51,202,200, making a total in the 36 states during February of 7,080 projects, valued at $281,139,800.

The Annual Meeting of the American Society for Testing Materials will be held in Atlantic City (at Chalfonte-Haddon Hall) during the week of June 25th, 1923.

John A. Dresser, well-known in the Asbestos Industry as a geologist, has been elected President of the Canadian Institute of Mining and Metallurgy.

The National Slate Manufacturers' Association, which was formed early in 1922, has adopted as its slogan "Slate—Consider Its Uses".

An article appearing in the March number of Raw Material under the title "Slate, Nature's Most Versatile Material" contains an interesting tabulation covering slate sold in the United States for the years 1917 to 1921 inclusive. If any of our readers, particularly Asbestos Shingle manufacturers, are interested we will be glad to give them these figures.

Asbestos Magazine, 1923, April 1923
ACL Doc 12090 · Page 40 of 57
Published by AsbestosClaims.Law
asbestosclaims.law/library/12090/40

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

Asbestos Magazine, 1923, April 1923
ACL Doc 12090 · Page 41 of 57
Published by AsbestosClaims.Law
asbestosclaims.law/library/12090/41

NEWS OF THE INDUSTRY

The most attractive piece of advertising literature we have seen in a long time is the eight-page folder at present being mailed by the Asbestos Textile Company, entitled "Control—the Supreme Factor in Driving," and featuring Aztec brake lining. Printed in two colors—red and black—and well illustrated, it most forcefully tells its story.

"Aztec," by the way, is the new brand name adopted by the Asbestos Textile Company for their brake lining.

On March 19, 1923, General Charles Miller, of the City of Franklin, Penna., was appointed temporary receiver of the Franklin Manufacturing Company. Monday, April 9th, was appointed for hearing as to appointment of receiver.

"Some Practical Gasket Hints" is the title of an article appearing in the March issue of "Raw Material."

The Arizona Mining Journal has been kind enough to reprint in their March 15th number, the article "Asbestos in Arizona," which appeared in the January number of "ASBESTOS."

If you subscribe to "ASBESTOS" and for some reason a copy doesn't reach you, please write us. Sometimes when the magazine gets in the clutches of Uncle Sam, it appears impossible to get it out—and in those cases we will be glad to send duplicates. Sometimes, too, our readers forget to notify us of change of address. We want all our readers to receive every number of "ASBESTOS" and if they don't we should be notified.

A rather unique piece of advertising is being done by the Raybestos Company. They have had printed for the Bridgeport police department the ordinance regulating traffic in Bridgeport, together with suggestions to motorists. These will be given out by the Bridgeport police department to motorists. The back cover pages are the only pages containing any mention of Raybestos brake lining.

Captain Fryer, owner of an asbestos bearing property on the Farm Joubertsdal in the Barberton District, Africa, is now on a visit to England.

The Orange River Asbestos Mines, Limited, floated last year on the English market with a capital of £100,000 is, we believe, endeavoring to dispose of its interests. This company was originally controlled by a Mr. Quilliam, who was also associated with the Direct Fisheries, Limited.

Asbestos Magazine, 1923, April 1923 Published by AsbestosClaims.Law
ACL Doc 12090 · Page 42 of 57 asbestosclaims.law/library/12090/42

ASBESTOS PAPER AND MILLBOARD



SAL-MO PRODUCTS

THE MARK TO BUY ASBESTOS BY

SAL-MO CONDUIT COVERING

Reduces the Cost of STEAM POWER DISTRIBUTION

Especially Designed for Underground and Exposed Steam Lines

Manufacturers

Sall Mountain COMPANY

140 S. Dearborn St., CHICAGO, ILL.

EASTERN OFFICE and FACTORY SCRANTON, PA.

ASBESTOS PIPE & BOILER COVERING

Asbestos Magazine, 1923, April 1923
ACL Doc 12090 · Page 43 of 57
Published by AsbestosClaims.Law
asbestosclaims.law/library/12090/43

The Cape Asbestos Company, Limited, has recently completed negotiations for the purchase of the lease of an important blue asbestos producing property known as Keikamspoort, situated in the Prieska District, Griqualand, Cape Colony, and therefore quite close to the present properties owned by the Cape Asbestos Company, Limited. The property has hitherto been worked by the Carn Brea Asbestos Syndicate who were the principal producers of blue asbestos outside the Cape Asbestos Company. This purchase means, so we are informed, that the Cape Asbestos Company, Limited, now holds practically all the blue properties capable of producing the best hard blue crude, as distinct from the soft variety which is obtainable in the Kuruman District.

The principal reason for the disposal of this property by Mr. Meeuwsen, owner, is ill health.

The book **"Mining, Milling and Manufacturing Asbestos"** being prepared by B. Marcuse of the Asbestos Fibre Company, Inc., New York City, is progressing very nicely, in fact the sections devoted to mining and milling processes are almost completed. It is desired to make this book as complete as possible and therefore manufacturers and miners are requested to send to the Asbestos Fibre Company, 342 Madison avenue, their catalogs and such photos as they feel would be suitable and increase the value of the book to the ultimate reader.

The need for such a book has been felt for a long time, and "ASBESTOS" hopes all miners and manufacturers will cooperate with the Asbestos Fibre Company to the fullest possible extent. We might mention that this book will contain no advertising matter whatever.

The Beldam Asbestos Company, Limited of London, recently moved their offices to their factory at Hounslow, their address being Lascar House, Staines road, Hounslow, Middlesex, England. The old offices at 1A, New London St., E. C. 3, are being maintained as city offices.

From the India Rubber Journal we note that Soviet Russia has temporarily prohibited the importation of certain classes of goods, among which are asbestos and asbestos products and rubber and asbestos goods.

The editor of "ASBESTOS" was privileged some few days ago to examine the asbestos exhibit owned by B. Marcuse of the Asbestos Fibre Company, and so interesting did we find it that we urge all our readers to inspect this exhibit at the first opportunity. This collection of asbestos specimens is, to our knowledge, the largest in the world and is so attractively arranged that the eye follows naturally from one specimen to another without tiring.

Asbestos Magazine, 1923, April 1923
ACL Doc 12090 · Page 44 of 57
Published by AsbestosClaims.Law
asbestosclaims.law/library/12090/44

Nederlandsche Asbest My.

Importers of Asbestos
Crudes and Fibres

ROTTERDAM - HOLLAND

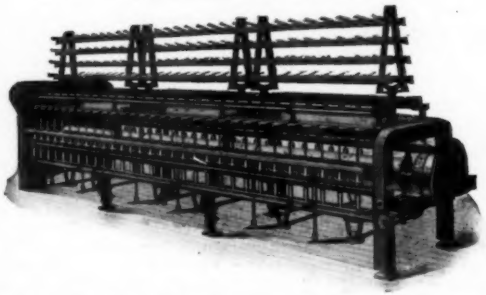
Tel. Address:
Nedam Rotterdam

P. O. BOX 518

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

ASBESTOS YARN MACHINERY

"The Standard of America"



Smith & Furbush Machine Co.
Philadelphia Penna.

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N. P. MacMullen has resigned as Secretary-Treasurer of the Philadelphia Asbestos Company, and has gone into the fireproof roofing business at 2050 Ludlow street, Philadelphia, under the name of the Fireproof Construction Company.

The Kelso Manufacturing Company of Trenton, N. J., has just issued a Specification Book on Brake Lining and Clutch Facings. The Kelso Company are manufacturers of "Ever-Ready" Brake Lining.

We note from the monthly journal of the California State Mining Bureau, that the Asbestos deposit owned by M. S. Russel of Edgewood, Calif., has been purchased by the National Cement Company of Modesto, which company expects to develop the deposit in the spring. The deposit contains mostly short fibre.

The I. L. Collins Company, Hartford, Conn., has moved its offices to larger and better equipped quarters at 12 Haynes street, Hartford. Their former address was 75 Pearl street.

James W. Quinn, formerly vice president and manager, New York branch of the Ehret Magnesia Mfg. Company, Valley Forge, Pa., also president and active manager of the Valleau-Quinn Corporation, New York City, has by mutual consent severed his connection.

With over twenty-five years active experience in all departments of the magnesia and asbestos business, his services are available to a house having a desirable opening. Mr. Quinn can be reached by addressing "ASBESTOS."

Bennett-Martin Asbestos & Chrome Mines, Limited, on April 30th will remove their New York offices from their present location at 220 Broadway, to 110 E. 42nd street, New York City.

The Asbestos Brake Lining Association is urging that renewal of operators' licenses and insurance against public liability, be contingent upon the production of a certificate from a service station showing that the brakes on their cars are in proper working condition.

The newspaper advertising campaign being carried on by the Asbestos Textile Company in behalf of their Aztec Brake Lining, is attracting a great deal of attention. Generous space is being used in newspapers in practically every city in Massachusetts and Connecticut, as well as in Washington, D. C.; Baltimore, Md.; Harrisburg, Lancaster and York, Pa., the results being very gratifying. The copy used is somewhat different in that in naming service stations where Aztec brake lining can be obtained, gives as well the trademarks of the cars sold by those service stations.

Asbestos Magazine, 1923, April 1923
ACL Doc 12090 · Page 46 of 57
Published by AsbestosClaims.Law
asbestosclaims.law/library/12090/46

ASBESTOS



Bennett-Martin Asbestos and Chrome Mines
LIMITED

WISH to announce the removal of their New York office, on April 30th, to more spacious quarters in the new, centrally located Bowery Savings Bank Building,

110 EAST 42nd STREET
NEW YORK CITY

Head Office
THETFORD MINES, P. Q.
CANADA

Mines Located at
THETFORD MINES
VIMY RIDGE

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SUPERBESTOS

Hydraulic Compressed Brake Lining

"Made on the Banks of the Wabash"

Highest grade of Brake Lining produced today. Coefficient of friction, tensile strength and durability unsurpassed.

Sold to manufacturers, distributors and jobbers at special prices on a quantity basis.

MIKESELL BROTHERS COMPANY

Manufacturers of Asbestos Textiles

WABASH - INDIANA

Asbestos Magazine, 1923, April 1923
ACL Doc 12090 · Page 48 of 57
Published by AsbestosClaims.Law
asbestosclaims.law/library/12090/48

A new motion picture theatre at Logan, Utah, contains an Asbestos Curtain which weighs, including its counter weights, from 1500 to 2,000 pounds. The theatre also uses Asbestos on its roof.

R. P. Doucet, general manager of the Asbestos Corporation of Canada, sailed for Europe on Saturday, April 7.

According to the Arizona Mining Journal, the Asbestos mines at Chrysotile are expected to resume operations this spring.

The Asbestos Brake Lining Association recently sent out to about fifty insurance companies, insurance trade papers, and insurance organizations, a letter calling attention to the advisability of incorporating a clause in policies calling for periodic brake inspections.

On April 8, the National Bureau of Casualty and Surety Underwriters announced in the New York Times, the inauguration of a country-wide campaign to ascertain the causes of automobile accidents.

The announcement states, "This investigation is the first step in a study looking toward a revision of the basis for auto insurance rate making in the hope of discovering methods of measuring more exactly, the hazard, and particularly of correlating rate making with accident prevention."

It is well within the range of possibility that the proposed investigation will result in the insurance concerns discovering that their brakes are responsible for a large number of automobile accidents.

PATENTS

On January 23rd, patent was granted to Joseph Hawkridge, David Robertson, Charles Jesu Nairne, London, England, on **Non-conducting Covering for Boilers and other Vessels.** Filed November 3rd, 1921, No. 1,443,221. Serial No. 512,683. Described as a boiler lagging comprising small slabs of Asbestos, tubes of Asbestos inserted in said slabs, wires secured to said slabs and metal hooks forming hinged joints connecting said wires to said adjacent slabs.

On February 6th, patent was granted to Wm. R. Seigle, New York on **Mechanism for Corrugating and Indenting Plastic Sheet Material.** Filed Oct. 5, 1921, No. 1,444,395. Serial No. 505,532. Described as mechanism for corrugating and indenting plastic sheet material comprising longitudinally corrugated, intermeshing rolls, each having circumferential sheet metal registering grooves and indenting beads projecting from the bottoms of grooves of one roll into the grooves of the other.

On February 6th, to Wm. R. Seigle, New York, on **Method of Forming Heat Insulating Sheet Material.** Filed October 5, 1921, No. 1,444,396, Serial No. 505,533. Described as method of

Asbestos Magazine, 1923, April 1923 Published by AsbestosClaims.Law
ACL Doc 12090 · Page 49 of 57 asbestosclaims.law/library/12090/49

ASBESTOS FIBRE

FOR THE MANUFACTURE OF

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



THE QUEBEC ASBESTOS CORPORATION

Office and Mines

East Broughton, Province of Quebec
Canada

Asbestos Magazine, 1923, April 1923
ACL Doc 12090 · Page 50 of 57
Published by AsbestosClaims.Law
asbestosclaims.law/library/12090/50

producing intersecting set of corrugations in plastic sheet material which comprises passing a plastic sheet in one direction transversely, impressing a set of spaced corrugations in the direction of movement of the sheet, at the same time transversely impressing corrugations transverse to the movement of the sheet in the material in the spaces between the corrugations of the first named set, while providing clearance at either side of each corrugation of set first named to allow for rearrangement of the substance of the sheet where the two intersecting sets of corrugations adjoin.

On February 6th, to Wm. R. Seigle, New York, on **Heat Insulating Material.** Filed October 5, 1921, No. 1,444,397, Serial No. 505,534. Described as a heat insulating material comprising superposed sheet layers each having a sheet member corrugated parallel to one dimension indented transversely to said dimension and covering sheet secured to said corrugated and indented sheet.

On February 20th, to Walter K. Boileau, Baltimore, Md., Assignor to Pittsburg Oil Refining Corporation, on **Method for Treating Brake and Transmission Bands.** Original filed April 18, 1922, No. 1,418,695, Serial No. 555,388. Reissue filed January 13, 1923, No. 15,543, Serial No. 612,556. Described as method of treating brake and transmission bands of textile fabric used in connection with a planetary transmission to keep the bands soft and pliable, which consists in maintaining in the transmission casing a bath consisting of a petroleum oil of substantially the consistency of internal combustion engine cylinder oil, combined with Saponifiable material.

On February 27th, No. 1,447,100, to Wm. D. Pardoe, assignor to the Thermoid Rubber Company of Trenton, on **Brake Lining.** Filed November 26, 1921. Serial No. 518046. Described as a folded fabric brake lining having a series of diagonal ribs or twills, and impregnated with a frictional binding material.

On February 27th, No. 1,446,983, to Olof Jonathan Mellgren, of Gottenborg, Sweden, on an **Insulating Means.** Filed February 4, 1921. Serial No. 442510. Described as an insulating means ready to be applied upon a pipe or any other object to be insulated against high or low temperatures, comprising substantially finely ground bark of pine free from any binding ingredients, and enclosed within a flexible cover.

On March 6th, No. 1,447,667, to Herman R. Koester, of Cincinnati, Ohio, assignor to Philip Carey Company, on **Heat Insulating Table Mat.** Filed June 14, 1919. Serial No. 304111. Described as a table mat comprising a plurality of plies, one of said plies being an asbestos sheet, two other independent plies of flexible elastic heat insulating and sound deadening material, one arranged on each side of said fire resistant ply, said asbestos sheet having a plurality of indentations forming a plurality of separate independent air spaces enclosed by said asbestos ply and said adjacent plies.

Asbestos Magazine, 1923, April 1923 Published by AsbestosClaims.Law
ACL Doc 12090 · Page 51 of 57 asbestosclaims.law/library/12090/51

An Asbestepic

Contributed

From Egypt to the present day
Asbestos products have held sway
In many a business great,
The Pharaoh, with his burial shroud,
The Roman noble, too, was proud
Thus clad to lie in state.

The Mogul chieftain Genghis Khan
Perplexed a traveling gentleman
With "cloth of Salamander";
For Charlemagne, the fabled king,
Asbestos napkins were the thing—
He *knew* that they would launder;

And nowadays o'er all the world
Th' Asbestos banner is unfurled
And how its use has blest us!
Asbestos Packings, Gaskets, Cords,
Cloth, Listings, Linings for our Fords,
All Hail to King Asbestos!



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.

Asbestos Magazine, 1923, April 1923
ACL Doc 12090 · Page 52 of 57
Published by AsbestosClaims.Law
asbestosclaims.law/library/12090/52

ASBESTOS
USACO

UNITED STATES ASBESTOS CO.

General Offices and Mills

Manheim, Penna.

MANUFACTURERS OF

ASBESTOS
BRAKE LINING
CLUTCH FACINGS
FABRICS
LISTING
PACKING
TAPE
YARNS

SALES OFFICES and WAREHOUSES

New York Boston Chicago
Pittsburg Lancaster San Francisco

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ASBESTOS ROOFINGS

UNDERWRITERS LISTED

2-Ply White Seal in Rolls

3-Ply White Seal in Sheets

4-Ply White Seal in Sheets

4-Ply Fire Chief Burlap Centre in Rolls

2-Ply Black Seal in Rolls

3-Ply Black Seal in Sheets

4-Ply Black Seal in Sheets

1-Ply Imperial No. 2 Asbestos Saturated Felts in Roll

ASBESTOS BASE FELT ROOFINGS

Asbescoat—No. 52 Roofing—50 lb. in Rolls
Asphalt Coated Both Sides

Asbeslate Roll Roofing—85 lb. in Rolls
Either Red, Green or Blue Black

Asbeslate Std.-Individual Shingles 8x12¾
Either Red, Green or Blue Black

Asbeslate—Strip Shingles—"4-in-1", 10x32 in.
Either Red, Green or Blue Black

H. F. WATSON CO.

Main Office and Factories **Erie, Pa.**

79 MILK ST. BOSTON

5331-9 SO. WESTERN AVE. CHICAGO

Asbestos Magazine, 1923, April 1923
ACL Doc 12090 · Page 54 of 57
Published by AsbestosClaims.Law
asbestosclaims.law/library/12090/54

85% Magnesia

STEAM PIPE AND BOILER COVERINGS AND LOCOMOTIVE LAGGING



The Lightest Weight Steam Pipe and Boiler Covering Made

That is Structurally Strong and Permanently Effective

IS

"Ehret's 85% Magnesia"

Made at

VALLEY FORGE, PENNSYLVANIA

Since 1897

By

Ehret Magnesia Manufacturing Co.

Distributors Everywhere

BRANCH OFFICES

NEW YORK PHILADELPHIA CHICAGO



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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