ASBESTOS

Vol. 6 AUGUST 1924 No. 2

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A. S. ROSSITER — *EDITOR*

PUBLISHING OFFICE

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Hidden Treasure

By L. B. Scott, Sales Representative, Consolidated Asbestos Limited

The Article Winning Second Prize in the Contest on "Queer Experiences of an Asbestos Salesman"

All afternoon the little steam yacht plugged along against the current of the mighty St. Lawrence, striving to reach Montreal before dark, the end of the first leg of our long journey from Hartford by way of Lake Champlain to Labrador. Two weeks had already been spent on the way and we must hurry or miss the best of the salmon fishing. The sun was still high above the horizon when we fought our way up the St. Mary's current and soon were snugly moored at our dock. Dinner finished, there was time to take stock of our surroundings before retiring.

The scene along the water front was not very entertaining from a landsman's point of view; but to anyone interested in the sea and ships there was plenty to look at and admire. The port at this time of year is full of big ships from every country in the world; lying quite close to us was a big steamer flying the Norwegian flag. This boat and her cargo were a source of great interest to the youngsters on the yacht, including the writer, and a great deal of time was spent in gratifying that natural curiosity exhibited by boys and puppies in poking around and picking up anything small enough to be easily carried away.

Piled on the dock and in box cars nearby were many hundreds of jute bags containing a hard rocklike substance, different however from any rock we had ever seen because it could be pulled to pieces and shredded into long white fibres resembling cotton wool. This material, we were informed by the French stevedores, was "Pierre de Coton," the French Canadian name for Asbestos which was mined at Thetford, Quebec, and this particular lot was going to the Germans who were then buying quantities of asbestos, probably in anticipation of the recent war.

On the day of our departure we cast off early in the morning, steaming past the Steamship "Yuba" (for such was the name of the vessel mentioned above) an officer on her bridge waved his farewell and we replied with three

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blasts of our siren. Our throbbing engine soon carried us beyond his view, none of us dreaming that we would meet again, before many days, under more thrilling circumstances, to witness the destruction of his vessel and the loss of her valuable cargo of asbestos.

Early next morning passing down the north side of the river, we obtained a good view of the narrow path up the cliffs west of Quebec, where General Wolfe and his troops climbed to the Plains of Abraham and the Conquest of Canada. We stopped a few hours in the ancient city, then on down past Island of Orleans. thru the dangerous Traverse, where many a good ship has left her bones, we came to the great river Saguenay, which drains the vast mountain wilderness to the northward and tarried there a while between the high picturesque hills forming its banks, and then on out into the Gulf. For several days we steamed along leisurely, stopping once west of Seven Islands to try our luck with the salmon in one of the many small rivers. The season being a little early for good fishing so far up the Gulf, we only succeeded in taking four fish, the largest of which weighed slightly under twenty-two pounds, and put up a grand fight lasting forty minutes before it could be brought to the gaff.

So far we had enjoyed fine weather. but on the second day after passing Seven Islands, the weather gave signs of a change and late in the evening we encountered a heavy swell from the southeast. The wind kept increasing all night and by morning was blowing heavily. The sea continued to make and by noon we had slowed down to about four knots, steaming slowly right into the teeth of the gale. Before dark the rain came down in torrents and the fog became so thick as to make navigation difficult. There being no harbors on that part of the coast, we laid our course by the chart and stood out to sea, prepared for a nasty night. There was not much sleep for anyone on board, during the next few hours. The violent movements of the vessel, with the crash of the waves coming on board, kept even the best sailor awake. Early in the morning the lookout reported hearing a steamer's siren close behind us. This called for immediate attention on the part of those responsible for the navigation of the yacht as we were far to the northward of the track of outbound steamers, and we knew of no ship

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at present in that part of the gulf, and any vessel in those waters would be miles off her course. We accordingly altered direction north, and some few minutes later saw the port light of a large steamer pass uncomfortably close. We knew her to be a big vessel by the speed she was making in that sea, but were unable to account for her presence in those waters as the regular route to the St. of Belle Isle was some distance south. However, there she was and we soon forgot her, as we had troubles of our own.

By dead reckoning, we expected to be near the Mingan Islands about daylight, where we would find shelter. There is a lighthouse on the most westerly of this group, and we were anxiously listening for the boom of the fog gun when somewhere ahead we heard the roar of a steamer's siren, not the short shriek of warning emitted while running, but the continuous roar, indicating a vessel in distress. We headed in the direction of the sound and soon found that a large steamer had piled upon one of the uninhabited islands of the group we were looking for. As we were now in familiar waters we had no difficulty under the lee of the island, in approaching the stranded vessel. Coming nearer something about her superstructure seemed familiar and on closer inspection we recognized the "Yuba".

She lay on a reef about one quarter of a mile off the southern extremity of the island in a badly exposed position aground about one half her length, the stern in deep water, huge waves piling up in great green masses and falling on her deck with an ominous roar. We ran in close under her lee, informed them of their whereabouts and stood by rendering what assistance we could. After they had succeeded in launching their lifeboat, we left them, taking messages to the nearest telegraph station, advising the owners of the mishap and arranging for salvage of the vessel.

When the weather moderated, it was necessary to get rid of the cargo as rapidly as possible, part of which consisted of live stock. These animals were hoisted over the side in slings and dropped in the water and most of them succeeded in swimming to the island and later were transported to the main land. Recollecting the Asbestos we had seen loaded in Montreal, we made a deal with the parties interested, at a very favorable price of $1.50 per bag, which

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was not such a bad price to pay for crude even in those days. Not having accommodation on the yacht for this material, we arranged with an enterprising merchant on the mainland to secure some barges, which we undertook to tow out to the wreck.

Unfortunately, we were delayed by bad weather and those in charge of the vessel deemed it expedient to throw the asbestos overboard. We reappeared on the scene in time to see the bags disappearing into the waves. We were unable to approach the stranded steamer with our tow, which owing to the sea kicked up by a stiff southwest wind, we had left under shelter of the island. The jettisoned cargo formed an enormous pile, the top of which showed several feet above the surface, where the depth of water must have been around fifty feet. Some of the top bags were removed by fishermen, but the bulk remains and as that part of the continent is gradually rising out of the water, in ages to come, centuries after the bags have rotted, this spot may be dry land and some one will make an interesting discovery of a large deposit of crude asbestos.

Asbestos In Madagascar

Numerous occurrences of asbestos have been noted in Madagascar, particularly near Maevatanana in the north central part of the island, northwest of Tamatave on the eastern coast, south and west of Ambositra and near Fianarantsoa in central Madagascar. All the occurrences are of the amphibole type.

Production, which is almost negligible has been confined to the lateritized outcrops. Exploitation of the deposits at depth has been urged, but as amphibole is less adaptable than chrysotile for the more important uses, extended development seems improbable, and the deposits, though possibly extensive, bear small promise of exerting any influence on the world market.

If your company has done anything out of the ordinary, noteworthy or worthwhile, tell us so that we may publish it in "ASBESTOS".

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EDITORIALS

Our Favorite Saying.

Every one of us has some little motto, or verse, or trite saying, which we tack up over our desks, or carry around in our pockets, either because it helps us to be the kind of men we wish to be, or because it appeals to us as fitting our particular case, or perhaps because it represents an ideal for which we are striving.

On page 36 we have published, this month, things of this sort, sent in by some of the leading men in the Industry. These were sent to us as the result of a special letter written to perhaps twenty-five Asbestos men. Not nearly all the letters we wrote have brought replies, but we believe they will come along after reading page 36.

We would like to publish a page like this each month. The letter was merely a starter, and this article is written for the express purpose of asking all Asbestos men to send us their particular verse or saying.

Many good thoughts are thus garnered, and the page will prove, we feel sure, of interest and profit to all.



Asbestos Dryer Felt.

Our readers will remember the short article appearing in our June number concerning asbestos dryer felt used in the drying of paper.

This felt was described as consisting of an asbestos face with a backing of hard twisted, loosely woven cotton yarn, the cotton back taking up the pull and the asbestos forming an insulation between the cotton back and the heat of the cylinder.

Just a few days ago a gentleman stopped in our office with a small sample of this felt, which sample he very obligingly left with us. He told us that this particular piece of felt was made in Belgium, but that since there was quite a bit of duty on it he was desirous of having it made in the United States by asbestos textile manufacturers.

If you are a manufacturer of asbestos textiles perhaps this gentleman has already called on you. If he has not and you would be interested in making this material, we

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will be glad to furnish his name and address. The specimen of felt can be seen at this office.

It is in matters of this sort that an overall textile organization is desirable and would be profitable to the textile manufacturers. As it stands now, perhaps several textile manufacturers will go into the manufacture of this material, with the result that many experiments will be tried before the felt is comparable to the Belgian material, and a great deal of time and effort will be lost, not only on the part of the manufacturer, but by the user of the material.

In a small industry like the Asbestos Textile, so many things could be done economically and quickly, with profit to all, if the manufacturers would meet their fellows in the field even half way in the matter of research, methods, etc.

It isn't quite fair, either, to ask your customers to do the experimenting, with probably loss of time and money to them.

Minimum Carload Weight on Asbestos Paper.

Our June issue contained a news note to the effect that the minimum carload weight of asbestos paper had been raised from 36,000 to 40,000 pounds, effective June first.

Some of our subscribers advised us that this was incorrect and in the discussion that followed, engaged in by three large manufacturers of asbestos paper and two traffic service organizations, it appears that the ruling recently made is couched in rather confusing language.

Knowing little of freight matters we offer no opinion of our own but give briefly the ruling:

Supplement 33 to P. & R. Ry. I. C. C. J-8660, which contains exceptions to the Official Classification, gives the following provision under Item 325, effective June 1, 1924, with the general heading of Roofing and Building Material:

"Roofing, composition or prepared, as described in Official Classification; shingles, asphalt; shingles, asbestos flexible; felt or paper, building, roofing or sheathing; *asbestos* felt or paper, building, roofing or sheathing; in straight or mixed carloads, or mixed with asphalt, roofing

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pitch, roofing tar, roofing cement, roof coating (not paint or stain) having asphalt, pitch, tar or rosin base;—Minimum weight, 40,000 pounds (see Note 16, page 18 of tariff as amended)."

Note 16 reads:

"Minimum weight on straight carloads of building, roofing or sheathing felt or paper will be 36,000 pounds, except on straight carloads of unsaturated roofing felt or paper, other than asbestos, the minimum weight will be 30,000 pounds."

The whole discussion seems to hang on the word "asbestos" which you will note appears in the first ruling, but is not used before the words "building, roofing or sheathing felt or paper" in Note 16. Some of our readers contend that because of the omission of the word "asbestos" from Note 16, asbestos paper will take the new 40,000 pound weight, while others contend that Note 16 refers to asbestos paper, and also that they have shipped asbestos paper since June 1st, using the 36,000 weight and no question has been raised by the railroad.

Looking at it from a purely grammatical point of view, it seems capable of interpretation both ways, and we believe that the rate making bodies having this particular ruling in charge should have the point brought immediately and forcefully to their attention so that the ruling may be made clear.

Brake Bands That Won't Brake.

A friend of ours called up his service garage the other day and inquired as to new transmission bands for his Ford. He had had some difficulty in the bands getting hard and told the garageman that he wanted "good ones."

"Well," said the garageman, "I can give you two kinds. The first will *never* wear out but after three or four weeks *won't stop your car,* and the second will last eight or nine months with fine braking qualities but may chatter slightly."

Our friend mentally turned a somersault and then found breath enough to ask "What good on earth are bands that *won't stop the car?* That's what they're for?"

He found on further inquiry that the ones that re-

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tained their braking qualities for eight or nine months were an asbestos brake lining, the kind used on regular gear shift cars, the garageman saying that he had tried out many linings and found this asbestos brake lining to give better service on the Ford foot brake than any transmission lining he had ever used. He didn't inquire as to the make or name of the others as they did not interest him.

What does a manufacturer expect to gain by putting on the market a transmission lining that glazes after not more than a thousand miles running, and so costs him $5.00 (at least) each month for relining. We cannot imagine any sane man asking for the same kind of bands after one experience of this sort, or even allowing such bands to again be placed in his car.

After all the propaganda on bad brakes and safety driving, it would seem almost an impossibility to sell a band that *won't stop a car.*

We firmly believe the time will come when manufacturers of brake and transmission band lining will be compelled to make their linings conform to a certain common standard, just as roofing materials, automobile bumpers, etc., are rated by the Underwriters' Laboratories.



It is with a great deal of pleasure that we can announce to our readers this month the publication in this and future issues of "ASBESTOS," of two special pages, one (27) devoted to the interests and problems of the brake lining manufacturers, and the other (17) discussing matters of interest to the asbestos paper manufacturers.

The commissioner of the Asbestos Brake Lining Association and the secretary of the Asbestos Paper Manufacturers Association have very willingly agreed to use these pages each month to talk to the two groups.

If you have any particular point which you wish discussed on these pages at any time, we suggest you drop a line to the association, or address the association thru "ASBESTOS" and we will see that it is turned over to the proper person.



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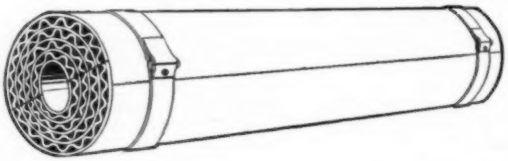
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Asbestos Paper Activities

This page will be devoted each month to a discussion by the Secretary of the Asbestos Paper Manufacturers' Association, of paper activities.

Attention has repeatedly been called to the fact that the damage done by business depression is compensated to some extent by the introspective attitude developed in the business man during such periods. The self examination results in the finding and elimination of many weaknesses developed during periods of rush business, and, in addition, brings about more efficient methods of manufacture and distribution, increases the uses and markets for products thru efforts to regain declining markets and in general develops undiscovered opportunities which can be utilized when normal business returns.

The period since 1920 has been particularly noteworthy from this standpoint, beginning with the investigation into Waste in Industry by the Federated Engineering Societies, of which Herbert Hoover was president at that time, and continuing to the present time. This work has been given added impetus by many large engineering societies and by the Department of Commerce during the administration of Secretary Hoover.

Manufacturers and distributors of asbestos paper, aircell, and similar products, are particularly interested in this on account of the added stimulus to their business which results from these activities. There are today several investigations under way which should materially increase the use of asbestos paper, air cell and other forms of insulation for the prevention of heat loss and fire.

The Better Homes Heating Service, looking to the more careful insulation of dwelling houses, the investigation of heat transmission by the Heat Transmission Committee of the National Research Council, the investigation by the Bureau of Standards of the Department of Commerce into proper building codes and minimum requirements for buildings, will all tend to focus public thought on more efficient use of the products of asbestos insulation manufacturers and distributors, and will inevitably bring an increased volume of business in this line.

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Contractors and Distributors Page

"THE SATURATION POINT"

How high can the pipe coverer's per hour wage go before it reaches the point where it automatically decreases the amount of work to be done and so cuts down the pipe coverer's yearly wage to a point below that which he has been getting at a lower per hour rate?

In other words, say the insulation worker is getting $1.00 per hour. At this rate he makes, working 300 days to the year, a yearly wage of $2400.00. If the wage rate is increased to $1.10 per hour, will the amount of insulation work to be done decrease to an extent that the insulation worker receives less per year than he did at the $1.00 rate?

When the rate increases some plants needing insulation may decide that their workmen can apply the insulation more cheaply and the pipe coverer therefore loses the job. Householders decide that it is cheaper to waste coal than to pay the high wages for applying insulation material, and therefore do not have the pipes and boilers covered.

Will such decrease in work be sufficient to more than offset the increase in wage rate? That is the problem confronting the insulation contractor today. It is a question that the workers themselves, and their Unions should seriously consider, altho to be sure the very existence of the problem explains to some extent the fact that the higher wage rate obtaining the less work the pipe coverer accomplishes—he is trying to stretch the job to cover as many days as he can, and so make up for the loss in number of jobs.

One of our Canadian readers declares that the "saturation point" has been reached in Montreal, and at a much lower per hour rate than is prevalent here in the States. Prior to 1922 the rate of wages in force in Montreal for pipe coverers was 55c; in 1922 it was 67½c and in 1923 up to May 1st it was 75c. Workers have now demanded 90c per hour.

This contractor tells us that when the wage rate was increased from 55 to 67½c a decrease in house insulation work was immediately felt, and when the 75c rate went into effect "all house insulation ceased entirely, while industrial plant managers and proprietors objected to paying these advanced prices." This reader contends that pipe coverers would receive more money per year at the 65c per hour rate, on account of the steadier and greater demand, than they would at 75c per hour.

The wage rates in Montreal are lower than those in the States, but is it not possible that the pipe coverers are fast approaching the "saturation point" and would better work a few more days at a lower rate per day than to work a few less days at a higher rate.

We suppose it would be practically impossible to convince union men of the correctness of this reasoning, but perhaps some day they will find it to be the truth.

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ASBESTOS

Our July issue stated that the rate in Kansas City for asbestos workers had been reduced to 85c per hour. We thought the source of our information entirely reliable, but have since been informed by a contractor in Kansas City that the rate has not been reduced, the contractors still paying $1.00 per hour. At the present no agreement has been signed but it is understood that the Local Union is going to request the contractors to sign up at $1.00 per hour on a three year basis.

The wage scale in Baltimore for Asbestos and Slate roofers has advanced since July 1st to $1.25 per hour for mechanics, the former rate being $1.12½c.

A new agreement went into effect in Milwaukee on July 13, by which the rate for pipe coverers was raised 5c an hour over previous rates, making the present rate 90c per hour.

In Chicago the Pipe Coverers' Association has effected an agreement with the local union to pay pipe covering mechanics $1.37½ per hour for two years, beginning August 15th, 1924, and expiring August 15th, 1926; with the understanding that a new wage agreement will be negotiated before the 1st of February 1926.

If you are a new firm starting in the pipe covering contract business, why not take a quarter page space in "ASBESTOS" for about three issues, and so be properly introduced to the Asbestos Industry. Such an advertisement will enable you to obtain materials more readily, and the cost is very moderate.

If you have added to your office or sales force, or made other changes in your personnel, tell "ASBESTOS".

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Brake Lines

The Editor of "ASBESTOS" has arranged with A. A. Mowbray, Commissioner of the Asbestos Brake Lining Association, for a regular monthly contribution to appear in these columns regarding matters that should interest the entire industry.

Altho not yet two years old, the Asbestos Brake Lining Association has had a remarkable growth, showing an increase of fifty per cent in membership, with all of the original supporters still enrolled.

"Brake Lines" is the name of the official daily bulletin issued exclusively for the members of the association. This little paper has grown from a circulation of only ten copies to almost two hundred copies. Some members send certain issues to all of their branch managers. Other editions are intended exclusively for the information of executives only. "News that is News when it is News" is the slogan of "Brake Lines" which keeps the members of the association advised of latest developments within the industry.

The 1924 Data Book, presenting brake lining and clutch facing specifications, which was compiled by the association, will be supplemented by a new edition, to contain the latest figures, which will be published this Fall. Manufacturers of passenger cars, trucks and tractors have taken kindly to the idea of forwarding their data only to the association, instead of to all members as heretofore. The figures will be tabulated by technical engineers before being handed to the printer. The action of the members in co-operating in this connection has relieved them of considerable detail and should result in getting more accurate and more complete information. Of course this data is copyrighted in the name of the association.

Two striking characteristics mark the work of the association. The members are not making an effort to regulate prices, and private quarrels are not hampering the development of the organization. Recognizing that there are certain matters which cannot be handled by the association, the members are glad to utilize those services which can be rendered.

It is the hope of the association that the industry will be able to agree on certain standard sizes whch will be presented to the Department of Commerce, which, in turn, will forward them to the various automotive manufacturers with recommendations that they be adopted.

The merchandizing movement inaugurated by the association is rapidly increasing sales. Members get timely bulletins telling them where to expect increased sales and also advising them of results that have been obtained in various communities. This campaign is being conducted at a minimum of expense and the results to date have been most gratifying. It is being handled in such a manner that the entire industry is reaping the benefits and it is to be regretted that a few manufacturers have not yet applied for membership. All genuine manufacturers are eligible for membership but applications are not received from

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those companies which are really distributors but which claim to be manufacturers.

Commissioner Mowbray makes his headquarters at 17 West 42nd Street, New York City, where he is always glad to welcome manufacturers, irrespective of their affiliation with the organization.

Crocidolite of Commerce

In mining blue asbestos it is frequently found that the outcrop is silicified as hard as adamant. This has been termed the crocidolite of commerce and was considered a semi-precious stone until the European markets were swamped with supplies. The stone is a very beautiful one and capable of taking an exceptionally fine polish.

Handles for umbrellas, knives and forks, penholders, etc, are made from this material, while the yellow variety, of a golden sheen, constitutes the "Catseye" used as an ornament.

A specimen of "Catseye" is in the collection owned by "ASBESTOS" but we do not have the other variety and would be very glad indeed to obtain a specimen.

ASBESTOS MINES FOR SALE

Tenders are being called for the assets of The Bennett Martin Asbestos & Chrome Mines, Ltd., now in liquidation. These assets include a very large area of land and the machinery and plant at Thetford Mines and Coleraine. The delay for filing tenders expires September 2nd, 1924.

Full particulars may be obtained upon application to the Liquidator,

MR. EUGENE TRUDEL
Chartered Accountant, of the Firm of LaRue, Trudel & Picher
71 St. Peter Street, QUEBEC CITY, CANADA

ASBESTOS MANUFACTURERS can limit selling expense by allowing me to represent them in New England territory. I have an organization capable of marketing any Asbestos materials. Correspondence solicited from manufacturers and salesmen. HOMER L. HARPIN, Little Building, Boston, Mass.

AVAILABLE—High grade salesman, formerly selling the shorter grade Asbestos Fibres. Knows Asbestos field thoroly. Wishes connection with progressive concern. Address Box 8-R-4, "ASBESTOS".

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AMERICAN ASBESTOS COMPANY

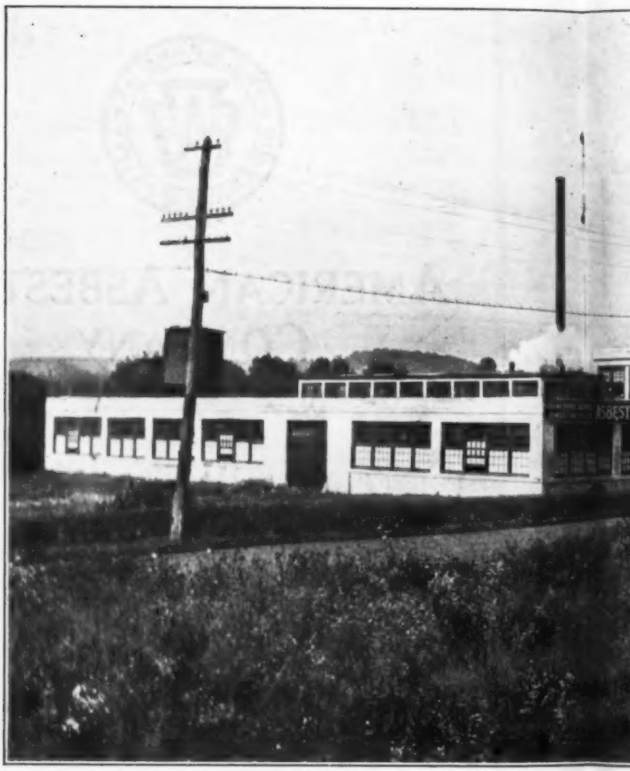
Manufacturers of
Asbestos Textiles

NORRISTOWN, PA., U. S. A.

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

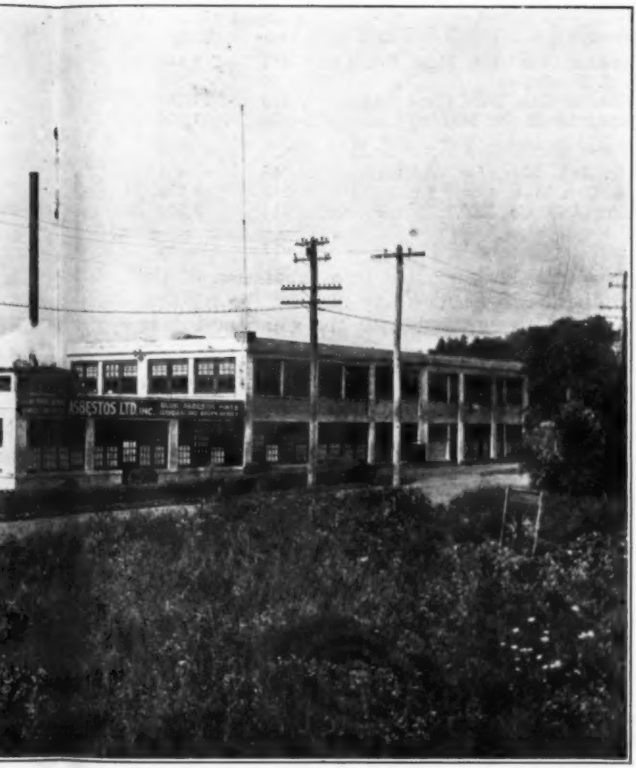
WRITE FOR PRESENT PRICES

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THE NEW FACTORY AND POWER PLANT AT MILLINGTON, N.
INC., 8 WEST 40th STREET, NEW YORK CITY, WHICH WA
PANY OF MILLINGTON, N. J. AND

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LINGTON, N. J., RECENTLY PURCHASED BY ASBESTOS LIMITED, WHICH WAS FORMERLY OWNED BY THE BATEMAN COM- N. J. AND VALUED AT **$150,000.00**

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Production Statistics

Rhodesia

	April 1924 Tons	Value
Bulawayo District—		
Nil Desperandum (Afr. Asb. Mng. Co., Ltd.)	411	£ 6,416
Pangani (J. S. Hancock)	30	356
Shabanie (Rho. & Gen. Asb. Corp. Ltd.)	710	17,748
Shabanie (undeclared for March)	50	1,250
Victoria District—		
Balmain (Afr. Asb. Mng. Co. Ltd.)	46	457
Gath's (R. & Gen. Asb. Corp. Ltd.)	352	8,798
King (R. King Asb. Co. Ltd.)	418	8,370
	2,017	£43,395

Our readers may be interested in a tabulation of the figures for production in Rhodesia by months, for the first four months of 1924, compared with the same period in 1923:

	1923 Tons	Value	1924 Tons	Value
January	1708	£39,315	2,146	£44,100
February	1218	28,128	1,869	42,882
March	886	88,466	1,723	37,492
April	1,693	39,207	2,017	43,395

Union of South Africa.

Sales and shipments from Union of South Africa for the month of April 1924 were as follows:

	Tons	Value
Transvaal	330	£6,308
Cape	237	2,937
	576	£9,245

We hope everyone is working on the Asbestos Industry Contest, or at least thinking about it. Some responses have already been received.

FOR SALE—Metallic Asbestos Tape, ⅛"x½", ⅛"x¾", ⅛"x1". Sacrifice, not in our line. Write Box 8W-1, "ASBESTOS."

FOR SALE—2300 pounds Asbestos Cloth, at greatly reduced price. Address Box 8L-3, "ASBESTOS."

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Asbestos in New Zealand

The occurrence of chrysotile asbestos in the Upper Takaka District of New Zealand, has been known locally for some years.

Asbestos is associated with basic and ultra-basic rocks that cover a broad zone, extending north and south thru the western portion of the Upper Takaka basin and into parts of the Aorere and Parapara Valleys. Scattered outcrops of asbestos bearing serpentine north of Mt. Arthur extend for a distance of at least three miles along river valleys. Recently the occurrence has attained more prominence thru development work and active steps toward exploitation. The New Zealand Asbestos Supply Company holds a lease on 146 acres about 6 miles north of Mt. Arthur in a very rugged territory. The area has been mostly cleared of forest, and trenching has uncovered the rock, permitting more detailed observation than has been possible heretofore.

"Cross fibre" asbestos occurs in veins having a maximum width of three inches. Only a small percentage of the fibre is over one inch in length, most of it being under one-half inch. In Canada the asbestos veins are very irregular and in general show no systematic arrangement, while in this New Zealand deposit the veins are arranged more or less concentrically around spheroidal masses of serpentine, ranging in diameter from a few feet to a chain or more. The asbestos bearing rock forms a shell surrounding cores of serpentine with few or no veins. Rough measurements of some of these shells gave a fibre percentage varying from 10 to 25.

No definite information has yet been obtained of the proportion of barren core to fibre-bearing shell. This segregation of fibre in certain zones would make it possible to separate the asbestos rock from the barren material in the process of quarrying.

"Slip fibre" occurs in crushed zones between the spheroidal masses of serpentine. A large body of asbestos bearing rock is now exposed. Results so far attained are encouraging and warrant the testing of bulk samples under

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commercial conditions for the fibre appears to be of good quality.

The district is handicapped by poor transportation, a pack trail, widened in places to a road, is the only present means of access.

More detailed information may be obtained from an article in the New Zealand Journal of Science and Technology, August 1923 number.

Our readers will probably be interested in a tabulation of contracts awarded in the 36 Eastern States, during May and June comparing the two months, these figures taken from F. W. Dodge Corporation's "Building Statistics:"

	By Valuation	
	May 1924	June 1924
Commercial Buildings	$56,379,500	$56,556,200
Educational Buildings	40,582,200	34,806,500
Hospitals and Institutions	14,579,900	8,444,600
Industrial Buildings	28,901,400	24,968,000
Military and Naval Buildings	27,000	104,000
Public Buildings	2,947,000	2,732,400
Public Works and Utilities	68,708,400	71,784,400
Religious and Memorial Buildings	14,023,500	12,146,000
Residental Buildings	185,418,900	161,432,600
Social and Recreational Buildings	7,604,800	14,536,400
	$419,872,600	$387,521,100

Note that increases took place in Commercial Buildings, Military and Naval Buildings, Public Works and Utilities, and Social Recreational Buildings, while all other classes showed decreases. some quite decided ones.

"Great stuff, these electric signs on Broadway" said the Yankee. "They've got one advertising Wrigley's gum, runs a whole block, 250,000 electric bulbs."

"How many?" cried the astonished Londoner.

"250,000," answered the Yankee.

The Londoner observed, "But I say, old chap, isn't that a bit conspicuous?"

Advertise it in "ASBESTOS", the Industry's magazine.

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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.

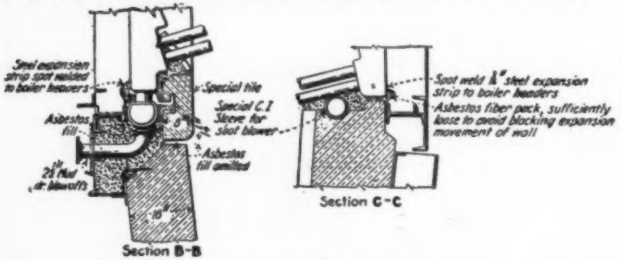
Belfield Ave. and Fisher's Lane
LOGAN, PHILADELPHIA

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Asbestos Fibre for Expansion Joints

Asbestos fibre as a packing for an expansion joint is, we believe, a new idea, which has been utilized by the Connecticut Light and Power Company at Devon, Conn., in the furnace walls for their large boilers.

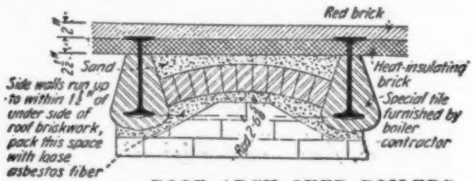
Naturally in such furnaces the temperature is very great, and when the walls of firebrick are too rigidly con-



Sketch by courtesy of "Power"

structed, the alternate heating and cooling causes expansion which cannot be properly taken care of, with the result that cracks occur in the wall, and often the brick falls out into the furnace.

The furnaces in the Devon Station, as described in the May 13th issue of "Power," are so constructed that spaces are left at proper intervals between the layers of firebrick, and these spaces are packed with loose asbestos fibre. The



ROOF ARCH OVER BOILERS

Sketch by courtesy of "Power"

fibre is used for the same purposee between the regular brick wall and the firebrick. As a general thing the joints

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are about 1¼" wide, altho in some places where irregularly shaped spaces occur, they are larger and more or less irregular in shape. The sketches will show what we mean.

The article does not state the variety of asbestos used, but in places of this sort we imagine either amphibole or chrysotile would serve.

One of our correspondents in South Africa writes us that the new government there will probably give early attention to the revision of the mining laws on many important points.

The present mining law enables a claim holder to lock up ground so long as he pays exemption fees, and in some cases such fees have been paid for twenty years without any work being done.

The law in the days of the Transvaal Republic provided that ground must be worked within a certain time or it reverted to the State, and it is suggested that a revision of the present law will make a similar provision.

Our correspondent states it as his opinion that if the work of ground is made compulsory it will have a decided influence on the development of asbestos bearing ground.

Latest Automobile Production figures are as follows:

	1924	1923
January	316,278	243,554
February	367,527	276,955
March	382,474	355,073
April	373,201	382,746
May	312,858	394,190
June	245,790	378,615

CO-OPERATION

You have a dollar,
I have a dollar.
We swap.
Now you have my dollar,
And I have your dollar.
We are no better off.

You have an idea,
I have an idea.
We swap.
Now you have two ideas
And I have two ideas.
Both are richer.

What you gave you have
What you got I did not lose
This is co-operation.

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MARKET CONDITIONS

A brief glance at the general business conditions this month seems to indicate some slight improvement.

Since the nomination of the Democratic candidate, business feels more assured, and newspaper editorials, writers for business magazines, financial men, etc., express the opinion that so far as business is concerned it will be content whether Coolidge or Davis be elected. We imagine that such a situation has seldom or never existed before, and it goes far to encourage the business world.

Perhaps this situation is the real basis for the general belief that business will be greatly improved in the fall. Every comment we read, everyone we meet, whether in or out of the Asbestos line, predicts much better business within the next two or three months.

Specifically as to Asbestos:

The raw material situation remains practically where it was a month ago, the miners being probably just a little more disgusted than they were then. High wages, keen competition, particularly from Rhodesia, dull demand and low prices all affect the Canadian miner unfavorably. But just as we go to press we learn that the Thetford mines of Consolidated Asbestos Limited, will begin operating on August 18th, after being closed down for nearly two months. This appears to be a hopeful sign.

The Paper line continues fair with every indication of increased business in the fall, due to the active insulation season.

Insulation contractors already report better business and this should increase greatly in the next few months. In fact insulation contractors are generally optimistic.

The textile line remains dull but even it should improve with a general business improvement.

Brake lining manufacturers are finding fair volume. Necessarily they have felt the effect of lower automobile production, which has probably been partially offset by increased replacement business. Some people believe that the saturation point for automobile production is fast approaching and that future buisness will be mostly replacement business. On another page we announce the organization of a new corporation for the manufacture of asbes-

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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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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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tos textiles, brake linings, etc., which seems to indicate that somebody has faith in the future.

Price is not strong in any line.

Our English correspondent says that the market position in the Asbestos Industry in England, and on the continent generally, shows no marked change since his last report, and goes on to say that the best one can say about it is that it shows a great improvement on the condition of things twelve months ago, but whether there is any permanence in the underlying conditions is difficult to judge. Meanwhile one must accept the good things which the gods provide and be thankful.

The salient features for the moment are intense competition with the work that is going, with a consequent tendency for prices to sag.

ASBESTOS BY AIRPLANE

What is thought to be the first shipment of asbestos products by airplane, was made recently when Johns-Manville sent from New York City by airplane to Cheyenne, Wyo., four pairs of special asbestos boots to be used in fighting an oil fire at Cheyenne.

If you want to sell an odd lot of material;
If you need a good salesman for a particular line;
If a salesman or office executive desires a new connection
Use the *Classified Adv. Section* of "ASBESTOS".
Rate is moderate; results good.

Ambition is what makes a man aspire, conspire, perspire and expire.

Paul Hammerich

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

THETFORD MINES - QUEBEC, CANADA

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Favorite Sayings of Prominent Asbestos Men

I know not where His islands lift,
Their fronded palms in air,
I only know I cannot drift,
Beyond his love and care.

Richard V. Mattison, M. D., President
Keasbey & Mattison Company.

* * *

Cheer up, and do it *now*. *C. J. Stover, President, Consolidated Asbestos Limited.*

* * *

Quidquid agis, prudenter agas, et respice finem,
or, freely translated:
Whatever you may do, act wisely and keep the end in view.

E. Schaaf-Regelman.

* * *

Keep your eye on the ball. *John H. Victor, President, Victor Manufacturing & Gasket Company.*

* * *

For when the One Great Scorer comes
To write against your name,
He writes not that you won or last,
But how you played the game.

E. W. Craft, Purchasing Agent,
Thermoid Rubber Company.

* * *

When you get to the end of your rope, tie a knot in it and hang on. *Wm. G. Kitchen, President, Allbestos Corporation.*

* * *

Think. *D. G. Jones, Staybestos Company.*

* * *

A friend of mine lost a good sized fortune overnight The next morning he went down town whistling (a sign of normal, happy mind). His friends thought he had lost his mind, as a consequence of his loss. They inquired of him the cause of his whistling when he had had a loss that ordinarily would make a sane man weep. He replied cheerfully, "Oh, I still have the same brain that made that fortune. So long as I have my brains I can make another fortune as large, or larger, than the one I have just lost. WHY should I not whistle and be happy, realizing the truth concerning myself?" *B. Marcuse, Vice President, Mapleleaf Asbestos Corporation.*

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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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Imports and Exports of Asbestos

Imports Into U. S. A.

Unmanufactured Asbestos:

	May 1923		May 1924	
	Tons	Value	Tons	Value
Canada	16,127	$680,991.00	14,324	$444,794.00
England	218	57,506.00	40	2,848.00
Australia	1	392.00	.....	.....
Br. So. Africa	65	6,646.00	82	5,834.00
Germany	...	.....	.....	77.00
Port. E. Africa	123	32,280.00	.....	.....
Other Port. Africa	76	17,288.00	.....	.....
	16,610	$795,103.00	14,446	$453,553.00

Manufactured Asbestos:

	May 1924	
	Pounds	Value
Yarn—		
England	600	$ 680.00
Fabrics, Woven—		
England	3,980	1,584.00
Canada	60	117.00
Packing, Fabric—		
England	3,980	2,132.00
Packing, not fabric—		
Austria	22,145	5,537.00
Germany	503	320.00
England	1,364	335.00
Shingles, Slate, Wood or Lumber—		
Belgium	2,190,147	30,788.00
Canada	27,180	1,269.00
Other Manufactures—		
Belgium	857,136	11,602.00
France	440	33.00
Germany	3	9.00
Netherlands	17,500	553.00
England	5,669	2,836.00
Canada	7,275	334.00
Grand Total	3,138,252	$58,129.00

During May 1923, 1,481,096 pounds were imported, valued at $36,539.00.

Exports From U. S. A.

Exports of unmanufactured asbestos for the month of May 1924 amounted to 111 tons, valued at $6,328.00. Figures for the same month in 1923 were 2 tons, valued at $281.00.

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Exports of manufactured asbestos goods:

	May 1923 Lbs.	May 1923 Value	May 1924 Lbs.	May 1924 Value
Paper, Mlbd. and Rollboard	430,519	$18,958	202,540	$ 8,481
Pipe Covering and Cement	307,660	16,684	425,931	32,259
Textiles, Yarn and Pkg.	82,470	49,321	103,256	75,796
Magnesia and Mfrs. of	443,877	22,024	226,566	17,632
Asbestos Roofing	17,307sqs.	49,616	4,270sqs.	20,759
Other Manufactures	323,473	70,938	287,234	71,035

Exports from Canada (Raw Asbestos).

	April 1923 Tons	April 1923 Value	April 1924 Tons	April 1924 Value
United Kingdom	395	$32,310.00	36	$2,470.00
United States	9,224	517,259.00	7,996	376,096.00
Australia	...	.....	...	.....
Austria	...	.....	...	.....
Belgium	355	15,250.00	520	28,075.00
France	609	66,718.00	407	31,495.00
Germany	255	29,363.00	264	44,383.00
Italy	22	1,320.00	102	5,380.00
Japan	115	5,290.00	414	27,040.00
Netherlands	...	.....	...	.....
Spain	...	.....	...	.....
Switzerland	...	.....	...	.....
Other Countries	...	.....	...	.....
Total	10,975	$667,510.00	9,739	$514,939.00
Sand and Waste—				
United Kingdom	160	2,400.00	48	1,005.00
United States	6,234	77,329.00	6,803	88,260.00
Belgium	30	540.00	...	.....
France	40	530.00	40	775.00
Germany	...	.....	93	1,395.00
Other Countries	...	.....	...	.....
Grand Total	17,439	$748,309.00	16,723	$606,374.00

Imports by England.

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

From	May 1923 Tons	May 1923 Value	May 1924 Tons	May 1924 Value
Rhodesia	646	£23,370	1,401	£46,439
Canada	196	3,800	302	4,861
Other Countries	1,403	46,204	225	5,815
	2,245	£73,274	1,928	£57,115
Re exports	668	27,836	506	17,917

Exports by England.

Exports of manufactured asbestos materials during May

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1924, as compared with May 1923:

To	May 1923 Tons	May 1923 Value	May 1924 Tons	May 1924 Value
Netherlands	25	£ 2.948	34	£ 4,064
France	53	10,553	63	10,413
U. S. A.	4	1,154	7	2,306
British India	173	9,726	117	8,973
Other Countries	925	47,877	767	54,456
	1,180	72,258	988	80,212

Imports of Russian Asbestos Into Hamburg.

Tropische Und Ueberseeische Rohprodukten Aktiengesellschaft, of Hamburg, have very kindly offered to keep us advised as to the imports of Russian asbestos at the port of Hamburg from time to time. In a recent letter they give us the following:

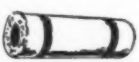
From January 1st to June 30, 1924:

During January	8,294 bags
During April	6,013 "
During May	5,967 "
Total	20,274 bags

This, figured at an average of 70 kilos per bag, would mean 1419 tons.

During this same period the total imports at Hamburg of *all* grades of asbestos from *all* sources, amounted to about 6230 tons, meaning that about one quarter of the total imports of asbestos came from Russia.

If you have bought or built a new factory, or remodeled your old one, tell "ASBESTOS".

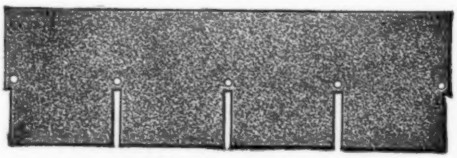


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NATIONAL AanA SLATE SURFACED ROOFING

(*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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NEWS OF THE INDUSTRY

Birthdays. Our birthday list this month includes H. S. Mikesell, President of Mikesell Brothers Company, date, August 16th; Harold W. Davis, Manager of Insulation Department, American Insulation Company, date August 25th; J. Gillmur Tyson, President American Asbestos Company, date August 25th; F. F. Turner, President Turner Asbestos & Roofing Company, date August 31st; C. M. Clarke, President, Sall Mountain Company. September 3rd; B. Marcuse, Vice President Mapleleaf Asbestos Corporation, September 11th. We extend to all these gentlemen most hearty congratulations and best wishes.

Belgian Patent Situation. Some new light has been thrown on the Belgian Patent matter. One of our Belgian readers writes us that while the recent decision in favor of "Eternit" would seem to indicate that the Hatschek Patent owned by Eternit remains valid until 1926, this is not quite exact. It appears that the original Hatschek patent, obtained in 1900 was to be public property in 1920, but in 1919 a law was enacted in Belgium in accord with which all patents would remain valid for another period of six years, that is, until 1926, with the exception, however, that if it can be shown that the inventor or owner of the patent exploited that patent successfully between August 1914 and June 1919 the benefit of the prolongation can be withdrawn by a decision of Courts. Our correspondent gives it as his opinion that the Eternit Company has successfully exploited the Hatschek patent during the period mentioned, and therefore believes it likely that a decision of the Courts will be given very soon by which the Hatschek patent is public property since 1920. If such a decision is rendered, naturally the various factories in Belgium making Asbestos Cement Shingles and lumber will be entitled to continue manufacture as in the past, and the Patent question will resolve itself into the payment of damages to Eternit by those firms who started manufacture by the Hatschek patent prior to 1920.

The Multibestos Company of Walpole, has recently issued a little pamphlet containing the very sensible admonition "Don't let the Elephant and the Donkey get your goat." As an example "Just because we are going to send someone to the White House there's no reason why the rest of us should go to the Poor House," is one of the terse sentences contained.

The Cape Asbestos Company is about to install in their Asbestos Mines machinery for cleaning of short fibre, this work at present being done by hand.

Asbestos Mines Limited finds that because of similarity of names it is often confused with other firms. This company has no connection with any company having a similar name, is not a manufacturer of asbestos goods, does not make plas-

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Nederlandsche Asbest My.

Importers of Asbestos
Crudes and Fibres

ROTTERDAM - HOLLAND

Tel. Address:
Nedam Rotterdam

P. O. BOX 803

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

STANDARD
TESTING 0-0-14-2

SHORTS
TESTING 0-0-11-5

Free from talc **Even Quality**

Reliable Deliveries throughout the Year

Cyprus Fibre Produces the Highest Quality of Asbestos-Cement Goods at
LOWEST COST

CYPRUS ASBESTOS COMPANY
LIMITED

Sales Office
130 SALISBURY HOUSE, LONDON, E. C. 2.

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tic roofing cements. Asbestos Mines Limited is a miner of asbestos fibres, now selling these fibres thru its New York Sales office at 342 Madison avenue, New York City, in charge of B. Marcuse. The president of the company is J. A. Jacobs, of Montreal.

Amianthus Asbestos Mines. An interesting article appeared in the June 21st issue of the African Mining & Engineering Journal concerning the Amianthus Asbestos Mines at Kaapschehoop in the Barberton District. The article describes the deposit rather minutely and gives some space to a description of the mining procedure employed.

Asbestos Limited. D. N. Goodman, of Asbestos Limited, New York City, recently visited the South African asbestos mining field.

The Asbestos Association Limited, representing the asbestos manufacturers in England, has recently circularized the press to the effect that it views with concern the action of many local housing authorities in refusing to grant the subsidy on houses roofed with asbestos cement tiles of reputable manufacture. They say that asbestos cement tiles are 75% lighter and 25% cheaper than ordinary slate or clay tiling and form a roofing as efficient and permanent as any other material on the market. Further that asbestos cement tiles were approved on houses securing the 60 years' loan under the Housing Act (1919) and were used on an extensive scale, including large government housing schemes.

Beldam Packing & Rubber Co., Ltd. Satisfaction in full was registered on June 28, 1924, of a mortgage dated June 25, 1923, in connection with the Beldam Packing & Rubber Company, Limited, securing £20,000.—India Rubber Journal.

Hall & Nielsen Limited, of Beaver Mills, Bury (near Manchester), manufacturers of Everbestos brake and clutch linings, send us a four-page pamphlet describing their brake and clutch linings and giving their price list. We wish other European manufacturers of asbestos materials would send us their advertising literature.

The Silver Edge. The latest issue of the Silver Edge, published by the Raybestos Company, and received a few days ago, as usual contains some very helpful information for the buyer of brake lining.

The Report of the Quebec Bureau of Mines on mining operations in the Province of Quebec for the year 1923, reached us shortly after the July issue went to press. The figures given in this final report, however, are exactly the same as those in the preliminary report. Figures contained in the preliminary report will be found on page 26 of our April 1924 issue.

Asbestos Mines Limited has just issued from their New York sales office a four page folder describing their No. 7 Asbestos Cement.

Tropische Und Ueberseeische Rohprodukten Aktiengesell-

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schaft, of Hamburg, has very kindly consented to supply statistics concerning exports of Russian asbestos. See page 40.

The Cape Asbestos Company, so it is reported, recently purchased one of the principal asbestos properties in the Prieska District—a Government mining lease over a portion of the farm Kliphuis. The mine was originally owned by G. Heller Co., Limited, and has produced about 300 tons of asbestos per year for some years past. It is capable of considerably increased output.

H. W. Edmondson, known to many of our readers because of his previous connection as an engineer with asbestos mining properties, recently visited New York and some of his friends in that city, having now returned to the Rio Plata Mine, Guaza pares, Chih., Mexico, where he is engaged in engineering work.

The American Hard Rubber Company, 11 Mercer Street New York City, has recently registered its trade mark "Radion". in the United Kingdom, this trademark to be used for some of its electric insulating substances of Asbestos, Mica, Resin, Oils or Bitumen.

The India Rubber Journal will publish in its anniversary number, August 2nd, an article on the Development of the Asbestos Industry written by J. Alfred Fisher of Bell's United Asbestos Company. The allied subject of Packings will be covered by Mr. Cooke, managing director of James Walker and Co., Limited. We will make further mention of these articles after receipt. tion.

Commercial Asbestos Corporation.

Indianapolis newspapers record the filing of incorporation papers for the Commercial Asbestos Corporation, with 100,000 shares of stock of no par value. The incorporators are E. W. Steinhart, of Fort Wayne, Ind., C. J. Higgins, of Detroit, and R. J. Evans, of Wabash, Ind. Mr. Steinhart was formerly head of the E. W. Steinhart Company, which handled Cadillac, Oakland and Chevrolet cars. He is President of the new corporation. R. J. Evans will be remembered as being connected with the Perfection Tire & Rubber Company, Wabash, and subsequently with Mikesell Brothers Company.

The new company, according to the news reports, is to occupy a modern industrial building at Huntingdon with 75,000 square feet of floor space, built by the Rapid Rim Corporation but never occupied.

Besides taking over the Huntingdon plant, the company is said to have acquired large asbestos holdings at Glove, Arizona, and expects to engage in the manufacture of automobile brake linings, railroad insulations and other asbestos products.

Thetford Golf Club.

W. G. Ross, President of Asbestos Corporation of Canada, and C. J. Stover, President of Consolidated Asbestos Limited, are competing in the Championship of the Eastern Townships Golf Club to be played at the Sherbrook Golf Club, Sherbrooke,

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P. Q., August 15th and 16th, these gentlemen representing the Thetford Golf Club. We are hoping to announce in the September issue that the honors went to the Asbestos Industry.

Amianthus Asbestos Mines, Limited.

Harry B. Cowhan, representing the New Gloria Asbestos and Asbestic Company, Limited, the African Base Metals Corporation, and the Amianthus Asbestos Mines, Ltd., in the interests of Asbestos, Asbestic, Chrome and Corundum, is spending six weeks in the United States, making his headquarters at the Hotel McAlpin, New York City. Anyone desirous of getting in touch with Mr. Cowhan can reach him at the Hotel McAlpin, or thru the Standard Bank of South Africa at 67 Wall Street, New York City.

Mr. Cowhan has with him specimens of some very good crude taken from the mines of Amianthus Asbestos Mines, Limited at Kaapsche Hoop.

Consolidated Asbestos Limited.

It is announced that the Thetford Mines of Consolidated Asbestos Limited, which have been closed down since June 25th, will resume operations on Monday, August 18th.

What is thought to be the first shipment of Asbestos Products by airplane, was made recently when Johns-Manville sent from New York City by airplane to Chyenne, Wyo., four pairs of special asbestos boots to be used in fighting an oil fire at Cheyenne.

PATENTS

Brake Lining. No. 1,495,721. Granted on May 27th to Wm. C. Swift of Cambridge, Mass. Filed April 13, 1921. Serial No. 460,919. Described as a brake lining comprising a strip of frictional material and a flexible metallic carrier clamping the marginal portion of the strip.

Insulating Material. Re-issue No. 15,844. Granted on May 27th to Harold S. Ashenhurst, Chicago, Ill., assignor to Herbert A. Parkyn, Chicago. Filed December 28, 1923, Serial No. 683,257. Original No. 1,402,133, dated January 3rd, 1922, Serial No. 382,-903, Filed May 20, 1920. Described as a new composition of matter composed of gypsum as the major ingredient, a retarder, a plurality of substances which when combined with water evolve a gas and produce a cellular structure, and approximately 5% by weight of fibre 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.

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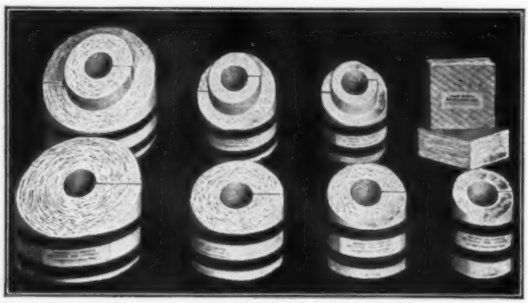
IMPERIAL ALL ASBESTOS COVERING

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

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

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THERE IS NO SUBSTITUTE FOR NO. 1 CANADIAN CRUDE

Makers of all sizes of yarn will do well to consider the advantages of using some percentage of this, the World's best Asbestos, in their manufacture.

Now that this grade can be obtained at the present low price, it must be calculated to serve to no inconsiderable extent as a substitute for the very much higher priced cotton.

An equally good mule yield at the same or lower cost, with a lower cotton content.

WHY NOT?

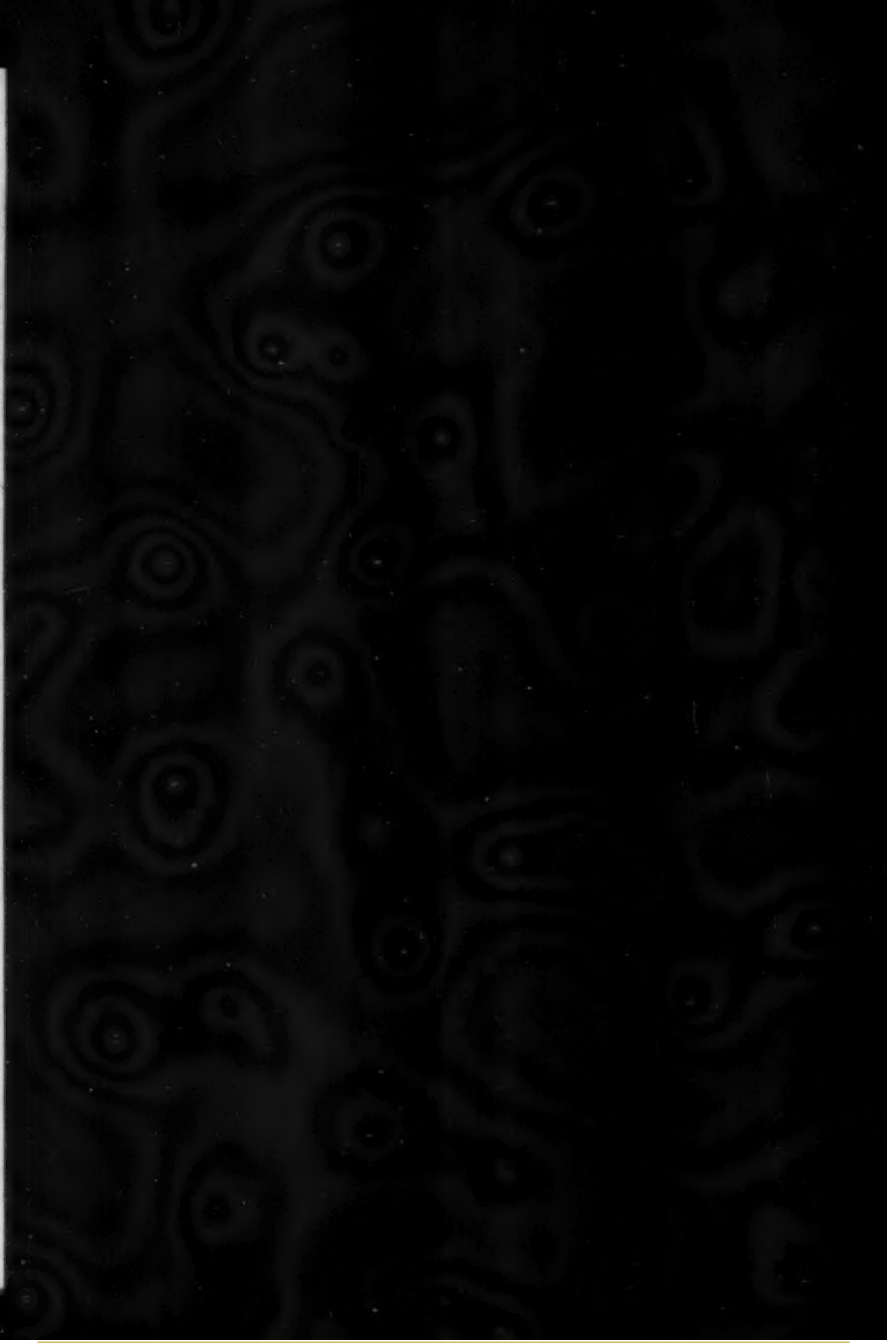
Consolidated Asbestos Limited

Canada Cement Building

Montreal, - Canada

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