# ASBESTOS

Vol. 2 OCTOBER, 1920 No. 4



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



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*Write for our Monthly Market Letters*

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# ... ASBESTOS ...

## A MONTHLY MARKET JOURNAL

**Devoted to the Interests of Asbestos and Magnesia Industries**

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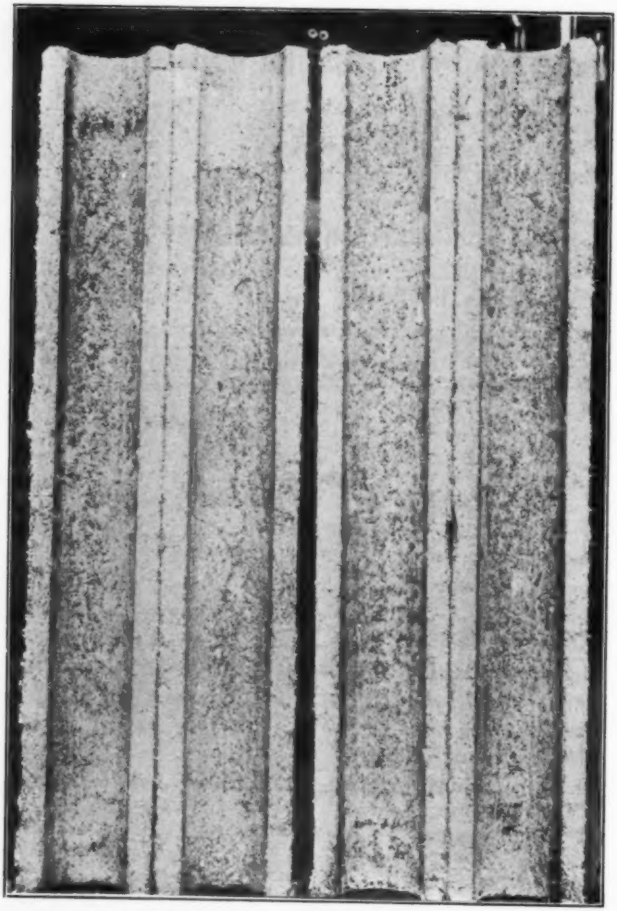
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*85% Magnesia after Wetting and Drying Test No. 61. Rust from the pipe discolored the inner surface of the covering.*



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# Permanent Practical Value

*The Real Consideration in Selecting Pipe Covering.*

By W. L. Steffens.

When a roof leaks no scientific instrument is needed to establish the fact, but when a steam pipe covering leaks heat, the leak can, and probably always does, go unnoticed.

Heat is illusive and probably many a plant owner or factory manager feels that his investment of hundreds or thousands of dollars in steam pipe and boiler coverings is yielding him a proper return, whereas his losses actually are much greater than they should be for the money invested. This inability to "sense" heat loss is probably the reason why so many kinds and varieties of steam pipe coverings are offered to the buyer today, each with its claim of superior insulating value. Many a buyer is no doubt lost in a mass of technicalities, tests, scientific data and the like, which are presented to show the buyer the superior merit of various coverings and then finally is sold on some little trick of salesmanship having no real bearing on his problem, which is to secure a pipe covering yielding not only high insulating value to start with, but continuing to yield it for the entire life of his plant ,taking into consideration all the practical conditions which a pipe covering must meet.

For example, a pipe covering salesman taking up a position with a new organization was asked what covering he usually recommended to his prospects, and he replied:

"Why, I always recommend ——— covering," naming a well known brand of laminated asbestos covering.

"Why do you recommend that in preference to 85% Magnesia Covering, which is considered the standard in this country both on land and sea?"

"Because a great many people like it and it is so easy to sell. Why, when a man wants pipe covering and asks me for a price on 85% Magnesia, I take out of my sample case two samples, one of 85% Magnesia and one of ——— covering; then I tell him what good insulating efficiency ——— covering has and show him how much stronger it is, and after a little talk, when I think the right time has arrived, I pick up the sample of ——— covering and throw it across his office with all my force. Then I show him the



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damage it has suffered and say to him 'Now, you try the same thing with 85% Magnesia, but before you do, I warn you that you will have to clean up the mess' and in most cases my sale is made right there without the customer even taking the trouble to find out whether or not there would be any mess."

Then this is another piece of clever salesmanship which actually occurred, in which again a special laminated asbestos covering was being demonstrated as superior to 85% Magnesia Covering as a practical insulator. In this case a section of each of the coverings was put in a tub of water for a short period and then both sections were placed on a driveway and a heavy truck was run over them!!!

Now consider how little relation these so-called tests have to the real permanent, practical value of a pipe covering. How do they demonstrate that either covering will be giving the same efficient service in practice than it did when it was first put on. A real test, carefully, scientifically and impartially conducted, to demonstrate what actually may be expected in practice accordingly comes as a real benefit to the engineering fraternity and to the buyers of heat insulating materials. Such a test has been recently made by the Mellon Institute of Industrial Research of the University of Pittsburgh, an institution of unimpeachable character and authority. Following are extracts from it:

"Pipe Covering may be subjected to wetting from leakage, floods, careless use of the hose, or a variety of other causes. Then, too, the necessity of removing and replacing the covering may arise, as in the case of a leak in the piping. The questions accordingly arise, under such conditions can the covering be removed and reapplied, and will it provide as good heat insulation as before? The following tests were made to determine the effect of alternately wetting and drying coverings in relation to the change in heat conductively, the change in mechanical structure and other physical and chemical properties and the feasibility of removing and reapplying coverings which had been wet."

"The following routine of test was proposed:

1. Inspect, photograph, weigh, measure and apply sections of pipe covering.



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2. Heat the covering for at least 48 hours at a pipe temperature slighely above 212° F.
3. Measure the heat conductivity of the covering up to 400° F. temperature difference from pipe to air.
4. Immerse the covering in water for thirty minutes, then dry the covering on the pipe at a temperature difference not exceeding 400° F. Wet the covering four times, drying it after each wetting. Conduct the fourth drying at a pipe temperature between 212° and 250° F.
5. Measure the heat conductivity up to 400° F. temperature difference from pipe to air.
6. Observe and record the physical effects of the test upon each covering.

"The first covering tested, namely 85% Magnesia, in test 52, was removed after each drying, weighed, soaked, weighed again, and reapplied successfully. In test 53 it was found that ——— covering (a laminated asbestos covering) could not be removed and reapplied for each wetting and drying, since the inner layers adhered to the pipe and were torn apart when removal was attempted. The method of test was changed and fresh sections of ——— were given the revised tests."



*Laminated Asbestos Covering after Wetting and Drying Test. The top crack existed only 1 inch at the end, being caused by the wire supporting the heater. The V shape of the bottom crack was caused by shrinkage of inner layers.*



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The report then goes on to outline the mechanical method of removing and inserting the electrical heating coils before and after the periods of emersion, and describes in detail the control of the heating element for re-drying purposes. *It is to be noted that this test has been conducted in a way that would parallel actual working conditions.*

The report goes on to say "The conductivity (loss of heat thru covering )of 85% Magnesia covering was decreased in test 52. In test 61 the conductivity (loss of heat thru covering) was higher at the end of the wetting and drying tests. More thoro drying in test 61 should reduce the heat conductivity (loss of heat thru covering) to its original value or less. The sections could *readily be removed and reapplied after these tests.*

"The conductivity (loss of heat thru covering) of the ——— covering (a laminated asbestos covering) was decidedly increased in both tests. Long continued drying might reduce the heat conductivity slightly, but not nearly to its original low value. The change in mechanical structure was marked and served to increase heat conductivity. The inner layers stuck to the pipe, preventing removal of the covering without destruction of these layers, thereby *making reapplication* impossible after wetting and drying the coverings."

The results of the heat conductivity tests made after the wetting and drying tests show that at the temperature difference of 300° F. which is practically the same as 150 pound steam pressure or ordinary high pressure steam, one test sample of the laminated asbestos covering showed an increase in heat loss of 24.5% and the other sample an increase in heat loss of 8.2%. Note this quotation from the test,—"Considerable additional time in drying might lower the heat conductivity but a covering that has suffered such changes as are illustrated in the accompanying photographs cannot be expected to return or to approach closely to its original low value of heat conductivity." One sample of 85% Magnesia Covering showed a gain of 3.7% and the other sample a loss of 3.8%. Note this extract from the report: "It seems possible that long continued heating would still further reduce the moisture content and thereby lower



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# HIGH GRADE ASBESTOS TEXTILES



## Asbestos Fibre Spinning Company

North Wales, Penna.



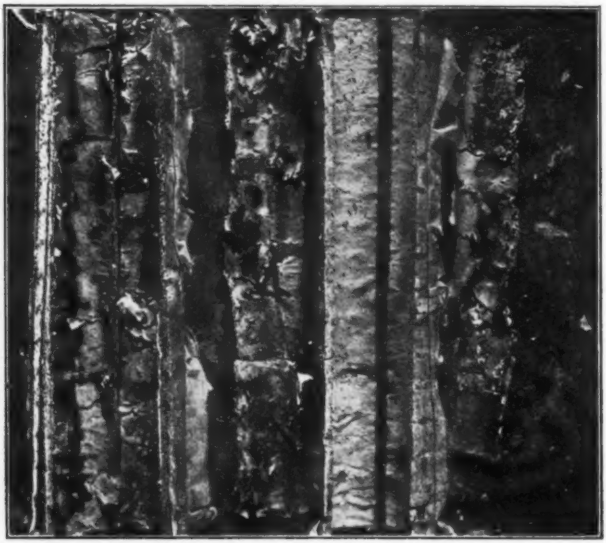


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the heat conductivity of 85% Magnesia *to its original value or less.*"

"The data sheet on 85% Magnesia, test 61, mentions that the fine hair-line cracks became more noticeable. Examination of new covering reveals similar cracks. Frequent wetting will remove any powder which may have partially covered them. The 85% Magnesia coverings tested were as strong after the test as before, hence cracks were evidently not caused nor enlarged by the tests. The sections could readily be reapplied."

"The ——— sections (a laminated asbestos covering) stuck to the pipe in every instance. In test 53 the inner layers adhered after the first wetting and drying. In each succeeding drying more layers stuck to the inmost layers.



*AB* *CD*

*Laminated Asbestos Covering after Wetting and Drying Test No. 56. The inner layers have been replaced in section AB while the inner layers of section CD have been placed at each side of the outer layers.*



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# Asbestos Fibres

SPINNING FIBRES, SHINGLE,
PAPER and CEMENT STOCKS

*Produced by*

**General Asbestos Co., Ltd.**

**EAST BROUGHTON, QUEBEC**

*Sole Selling Agents*

**IMEX CORPORATION**

**25 Beaver Street**

**New York City New York**




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In test 56 the inner layers were found stuck to the pipe after the full test had been run. This sticking prevents the removal and reapplication of ——— sections (a laminated asbestos covering) which have been thoroly soaked and then dried in place on a bare iron steam pipe."

"The bending test, applied to the inner layers of —— (a laminated asbestos covering) before and after the wetting and drying tests, were employed to illustrate a change in resiliency and "life," which was very apparent to the eye and hand. The inmost layers were broken into pieces too small for test specimens, but layer 4 was large enough to give three samples, all of which failed at the lowest figure that could be indicated on the Webb paper tester, namely O.1 division or 0.01 lb. per ½ width of test strip. Samples from layers which were not so near the pipe and which, therefore, had not been heated to so high a temperature, were stronger, but none of the samples after wetting and drying was more than one-third as strong as the samples from the same layers before wetting and drying. A large number of samples would have to be tested to obtain good average numerical results, but the test herein reported indicates the serious weakening of the inner layers of ——— (a laminated covering)."

Incidents in actual service corroborate these laboratory findings. Such examples as the Lake Steamer Western Star which was under water three years, raised and put into service without any damage found to the 85% Magnesia Coverings, while the Asbestos Coverings had disappeared; the Steamer J. W. Westcott, under water six years in the Detroit River, raised and the 85% Magnesia Blocks on her boilers reapplied at Joecks Dock; the Dayton Hamilton flood where 85% Magnesia Coverings remained intact and as a result of the experience asbestos felted coverings previously used and which were washed away, were replaced by 85% Magnesia Coverings and so on, with many other examples of the same kind.

Permanent insulating value is what every user of pipe coverings should insist upon and a proof of that permanent value should be called for if maximum economy over a long period of years is wanted.

Let him be governed by facts—not theories—not sales tricks.



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ARIZONA



CANADA

**E. SCHAAF--REGELMAN**

220 Broadway

**New York, N. Y.**

**American, Canadian, African Asbestos--Crude, Fibre**

Owning and operating the only producing mines in Arizona, not controlled by Textile Manufacturers.

**Arizona Asbestos is entirely free from Iron**

**European Headoffice:**

WARMOESSTRAAT 76

**AMSTERDAM**

HOLLAND.

IMPORT

EXPORT



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# Canadian Crude Asbestos and Fibre Corporation

LIMITED

THETFORD MINES

Crudes Nos. 1 and 2 — Spinning Fibres
Shingle Stocks — Paper Stocks
Cement Stocks

From
**Thetford Mines**
**Black Lake**
**East Broughton**
**Robertson**

Sole Selling Agents
**ASBESTOS & MINERAL CORPORATION**
Whitehall Building
NEW YORK

BRANCHES
London, Paris, Tokio, Genoa, Copenhagen, Christiania, Stockholm
Rotterdam, Hamburg, Zurich, Sydney, Cleveland, San Francisco,
Buffalo, Chicago




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# As To The Market

*Mining.*

Canadian producers do not appear interested in naming prices for 1921, almost without exception preferring to postpone obligations as long as possible.

Current quotations on crudes and fibres rule strong with some few advances. In the face of declines in most lines of raw material, the uninformed naturally wonder at this exception. A look at the real relation between supply and an unprecedented demand quickly solves the problem.

Without doubt the tonnage of Asbestos used in the field of insulation is greater than the tonnage used in all other lines, combined. Coal at present prices ;transportation and handling charges mounting; and labor for handling, stoking and removal of ashes at ultra high cost, forces the use of insulating material in places where it has not heretofore been used, and encourages the use of greater thicknesses than ever before.

The resulting demand for raw asbestos is enormous and nothing can be found in the present situation to justify a belief that the demand will slacken. Insofar as we know, the entire world is calling heavily upon the few producers, and, while they have been hard at the job, it is apparent from the official figures that world production has not nearly caught up with the call.

Recent quotations being made for Arizona Crudes indicate a belief on the part of owners of Arizona properties that the raw stuff from that field is worth equally as much as Canadian, or more. Manufacturers do not appear to agree with this view, however, and, while we have seen some beautiful samples, closely resembling Canadian, only a practical run of this Crude thru process, will determine its relative value. It is unfortunate that transport from mine to railroad and thence to factories is so very costly that none but Crudes and extra long mill fibres may be profitably shipped from Arizona. The coarseness of some Arizona fibres would not be objectionable to manufacturers of many asbestos products, were it possible to get them at competing price.

United States Agents for No. 2 Rhodesian Crude indicate, by offer of spot shipments, that production in Rhodesia is increasing materially.



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Acting on recent advances in price of Canadian Crudes and Fibres (averaging about 35%, including new ruling on payment in American Dollars) holders of Shabanie have withdrawn prices. The demand of the Canadian Producers for payment in American money is responsible for quite a bit of controversy. As usual, good arguments are adduced by both sides.

*Spinning.*

No change worthy of mention, can be noted in the situation. The mills are all busy. Orders are being taken only at prices which fully protect the seller and, in some cases, only at prices ruling at time of shipment.

Undoubtedly, in many lines, a seller's market has changed to a buyer's market, but in Asbestos Textiles the seller is still very much in command.

Several new plants are under way, but as we have mentioned before, just where the raw stock is to come from is still a mystery. Existing equipment, if properly operated, would spin, twist and weave all the spinnable stuff being produced. It is obvious that the more excess equipment there is, the more strenuous will be the competition for the available raw stuff. We would like somebody to suggest just how all these plants and plant additions are to be supplied.

In the meantime, demand for yarn and the products made therefrom keeps merrily on increasing.

*Paper Making.*

This market is very firm. Large quantities of paper are going into entirely new fields never before employing paper. Employment of asbestos paper in lieu of rag felt in the laying of built up roofs, is accounting for a large tonnage.

Small advances in price are noted and it is likely that when the cost sheets begin to show the real effect of the freight increase, the quotations will proportionately ascend.

Distributors and jobbers, especially those handling less car lots of paper and board, will be considerably affected by this freight advance, unless they have covered at delivered prices.

*85% Magnesia.*

Demand is increasing and orders booked are satisfac-



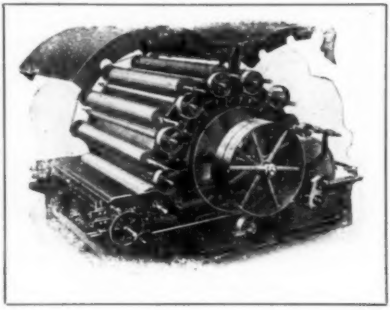
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*When you require*

**Asbestos Machinery**

*you should think of*

**"SMITH & FURBUSH"**



We have built practically all the yarn-spinning equipment for Asbestos in this country.

*Circulars and further particulars on request.*

**SMITH & FURBUSH MACHINE CO.**

**Philadelphia** **Penna.**



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tory. Those manufacturers who compose the Magnesia Association of America are carrying on a work of research and education of great advantage to everybody concerned with insulation from manufacturer to consumer.

September 13th to 17th in Milwaukee, at the National Association of Stationary Engineers Convention, the Magnesia Association exhibited to thousands of visiting operating engineers, a most interesting, informative and unprejudiced presentation of the value of 85% Magnesia to all steam users.

All reference to competing products was studiously avoided, the effort being to forcefully present to all interested the great economic importance of proper insulation for all and any specific conditions. The exhibit was well conceived, fully manned by competent representatives of each member company, and was highly appreciated by the visiting engineers.

This Exhibit was then transferred to New York for presentation at the National Exposition of Chemical Industries, where it evoked much favorable comment.

Undoubtedly work of this sort is highly beneficial, not only to the exhibitor but to the engineer and chemist, and, therefore, to society at large.

*Low Pressure Coverings.*

Mills report continuing activity and large bookings of orders. With new building so sorely needed and demand forcing attention even at these high prices, a great deal of corrugated paper and air cell will be required, and the factories should continue busy.



PENNA. ASBESTOS CO.

*John A. Hovey, President*

*601 Bulletin Bldg., Philadelphia, Pa.*

**Cements, Boiler Covering, Special Heat Resisting Cement, Moulded Covering, Air Cell Covering Blocks, Roof Paint.**



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# Bell Asbestos Mines

**THETFORD MINES**
**Quebec, Canada**

MINES OFFICE at
Thetford Mines, P. Q., Canada
*and*
SALES OFFICE at
Ambler, Penna., U. S. A.

Miners and Shippers of

## Asbestos

CRUDE AND FIBRE




*OWNERS*
The Keasbey & Mattison Company
Ambler, Penna.
U. S. A.





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# Blue Asbestos Crude
## (Fiberized)

*For the manufacture of*

**BRAKE LINING YARN**

*Blue Asbestos Cannot be excelled*

*We prepare Blue Asbestos Crude ready for spinning.*

*The price of our fiberized BLUE ASBESTOS makes a quality product that can meet any competition.*

*The use of Blue Asbestos does not affect production.*

**ASBESTOS LIMITED**

*8 West 40th Street*

**NEW YORK CITY**

Blue Asbestos Mines
Griqualand, South Africa.




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# Blue Asbestos Crude
## (Fiberized)

*For the manufacture of*

## 85% MAGNESIA

***Blue Asbestos gives added strength. This increased strength means considerably less breakage.***

***And in using fiberized Blue Asbestos you effect a considerable saving in cost as compared to present fibre used.***

***We prepare a special grade of fiberized Blue Asbestos for 85 per cent Magnesia.***

**ASBESTOS LIMITED**

*8 West 40th Street*

**NEW YORK CITY**

Associated with
The Cape Asbestos Co.,
London, England.




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# Magnesia Association of America

*Exhibits Products at the Chemical Show, New York*

The cut opposite shows the booth display of 85% Magnesia insulation products at the New York Chemical Show.

The products themselves, the theoretical Flow Chart showing the manufacturing processes, the framed photograph with curves representing heat losses from bare pipe surfaces as compared with losses when insulated with 85% Magnesia Pipe and Boiler Covering and numerous large photographs depicting concretely the coal saving qualities of 85% Magnesia, all were most interesting and instructive to the active engineering profession.

Instructing Heads of departments in the larger colleges, universities, and technical schools found the Magnesia Booth an Encyclopaedia of practical information which was carefully absorbed for imparting to classes under instruction.

Practicing engineers meditated at length on the condition of the insulation on the steam and power plants under their supervision, craving for data revealing the fuel saving qualities of 85% Magnesia. The soaring heights of coal prices has made this insulation subject an important economic problem to the steam and power engineer.

The association was gratified with the attendance at the Show, and the interest shown in 85% Magnesia as a heat insulation.

A similar exhibit was conducted by the Association during the week of the Convention of National Association of Stationary Engineers, at Milwaukee, where technical engineers were equally zealous to learn the heat conservation qualities of 85% Magnesia.

Many inquiries for solutions to technical problems in insulation were received thru these channels, and it should be noted that the Association employs the services of a disinterested scientific laboratory, The Mellon Institute of Industrial Research, University of Pittsburgh, Pittsburgh, Pa., to which clients may submit their insulation problems and secure unprejudiced counsel gratis.



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FRANKLIN
FUEL SAVING
PRODUCTS

# JAZZ

The reaction from the extravagance and jazz of the last two years has set in, and apparently in earnest. Unprecedented price-cuts have marked sales in retail wearing-apparel shops for months, and even at that we hear of haberdashers unable to "give away" silk shirts. This is really good news.

Business in New England is at low ebb, and as most conditions and movements, material as well as psychological, move west at a rate of about 1,000 miles a month, it can be expected that this "morning-after" reaction from the spending orgy, will be across the continent in three more months.

Economy will be the order of the day. Every possible cut will be made in expenditures.

The logical and sensible way to economize on coal is to put in proper and sufficient Heat Insulation. Saving $2,000 a year by the purchase of $1,000 worth of 85% Magnesia, should appeal to any earnest "Retrencher" of constructive temperament.

## The Franklin Mfg. Company

FRANKLIN, PA.



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# The Glutton in Business

A fable of old relates that a dog got a piece of meat and was carrying it home in his mouth to eat it in peace. On his way home he had to cross a plank lying across a running brook. As he crossed, he looked down and saw his own shadow reflected in the water beneath. Thinking it was another dog, with another piece of meat, he made up his mind to have that also—so he made a snap at the shadow in the water, but as he opened his mouth the piece of meat fell out, dropped into the water and was never again seen.

Beware lest you lose the substance by grasping at the shadow.

Man has not changed in a thousand years—the fable has its counterpart in modern business.

The exigencies of wartime emergencies past, some manufacturers still feel that their production in all lines must be maintained, even if it necessitates swallowing up the market to the exclusion of their competitors. Demand should be carefully studied and supply as well, every producer then realizing that he is entitled only to his pro-rata percentage of current business.

How different the prevailing practices of to-day. Few realize that demand is a natural economic condition that cannot be created by cut throat competitive methods.

Be content with your share.

No manufacturer ever elevated his Industry by trying to engulf every sales possibility, whether all were profitable or not. He has only blinded his future possibilities, exasperated his competitors, converted their possible friendship into enmity and transformed co-operation into antagonistic opposition. He has lacked the broad vision. He has been gnawing at the shadow of his industry.

Associations are the answer to this curse in our industries, for in the words of John Hancock, when he signed the Declaration of Independence, "If we do not hang together, we shall assuredly all hang separately."

---

**Many of our readers have heard of "Amosite," the new African Asbestos Fibre. Next month we expect to print an interesting article on Amosite, written by one who has made a special study of it.**



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# 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**




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# Asbestos Mail Containers

In November, 1919 ASBESTOS some little mention was made of Asbestos Mail Bags, as used by mail planes.



Our readers will be interested in the illustrations appearing here, the first of which shows one of the bags being lifted into the plane, while the other illustrates the test recently applied to one of the containers by the Post Office Department, to test the fire resisting qualities of the bags.

The test was made by filling a mail pouch with dummy letters, enclosing the pouch in one of the Asbestos bags, and placing all in a barrel of oil saturated shavings. When the blaze had subsided, the pouch was removed and the contents examined. Most of the letters were unharmed, only a few packages being charred during the experiment.



The asbestos bag is really a removable lining for the cargo cockpit of the Planes. Each lining contains ten



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yards of asbestos cloth, the latter weighing 2¼ pounds to the square yard. Each lining is put together with 3,000 rivets and is fastened to the fuselage members by thin steel strips and screws; it will hold eight of the largest mail pouches.

# Imports and Exports of Asbestos

Crude Asbestos entering this country thru the Port of New York during the month of July amounted to 473 tons, valued at $146,723, this coming from Portuguese and British South Africa. A quantity valued at $3,575 entered Boston, coming from Italy.

Imports (thru New York) of manufactured Asbestos Goods were as follows:

| | |
|---|---|
| Germany | $ 912. |
| Italy | 4,293. |
| Netherlands | 500. |
| Switzerland | 14,408. |
| England | 33,944. |

or a total of $54,057.

Exports of Manufactured Goods thru the port of New York amounted to $165,097; thru Boston, $981., Philadelphia $5,323. and New Orleans, $4,187. Probably the most interesting item in the lists of exportations was the quantity sent to Roumania, amounting to $30,284. As usual a large quantity went to Central and South America, Mexico and Cuba.

Our readers will be interested in the report of Manchester Liners, Ltd., whose fleet of steamers plies between Canadian ports and the Manchester Canal. They report cargoes of

| Year (Winter Season) | Number of Sailings | Tonnage |
|---|---|---|
| 1917—1918 | 8 | 42,262 |
| 1918—1919 | 9 | 13,339 |
| 1919—1920 | 11 | 17,140 |

Undoubtedly much of this loss in Canadian tonnage is made up from Africa, Rhodesia, Siberia and Italy. It would seem that other producing fields are getting a share of the business which has for so long been almost exclusively Canada's.



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# *Dominion Distribution*

## *of Asbestos Products and Mechanical Rubber Goods*

*Covers the*

## *Industrial, Marine, Mill, Railroad, Mine, Automobile Trades*

*throughout the United States and every country in the civilized world.*

◆◆

**Dominion Asbestos and Rubber Corporation**

154 Nassau Street, New York

| | | |
|---|---|---|
| Albany | Indianapolis | Richmond |
| Baltimore | Los Angeles | San Francisco |
| Cincinnati | Norfolk | Seattle |
| Detroit | Philadelphia | St. Louis |
| | Pittsburgh | |

The Hague, Holland



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# AMERICAN A
# COMPA

*Manufacture*

## Asbestos T

NORRISTOWN, P

Headquarters f

YARNS, CLOTH, TAPES, FIBRES, BRAKE LINI





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E BRAND OF
ERIOR QUALITY

# N ASBESTOS
# MPANY

*facturers of*

## s Textiles

## VN, PA., U. S. A.

lquarters for
RAKE LININGS AND TEXTILES GENERALLY




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# *ASBESTOS MINES LIMITED*

*Head Office*
**JACOBS BUILDING**
**282 St. Catherine St. West, Montreal, Que.**
**Canada.**

## MINING ALL GRADES OF ASBESTOS FIBRE

Mines located at East Broughton, Que.

J. A. JACOBS, *President and Managing-Director*




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# Mining Operations in the Province of Quebec

The 1919 report of the Canadian Bureau of Mines is just published. For ready reference, some of the more important points and tables are presented.

*Yearly Production of Asbestos 1910-1919*

| *Year* | *Tons Produced* | *Value* |
|---|---|---|
| 1910 | 80,605 | $2,667,829 |
| 1911 | 102,224 | 3,026,306 |
| 1912 | 111,175 | 3,059,084 |
| 1913 | 136,609 | 3,830,504 |
| 1914 | 107,401 | 2,895,935 |
| 1915 | 113,115 | 3,544,362 |
| 1916 | 133,339 | 5,182,905 |
| 1917 | 137,242 | 7,198,558 |
| 1918 | 142,375 | 9,019,889 |
| 1919 | 135,861 | 10,922,289 |

Decrease 1919 in tonnage—4.6%
Increase 1919 in value—21.2%

In 1919 there were 3,061,690 tons of rock mined and hoisted, from which was obtained an average of 100.8 lbs. of Asbestos per ton of rock, or a value of $3.88 per ton of rock mined.

In 1918 the average was 117.3 lbs. of Asbestos per ton of rock or a value of $4.08 per ton of rock mined.

In 1917, the average was 108.7 lbs., value $3.08.

*Comparative Production 1918—1919*

| *Grade* | *Tons* | | *Average Value per Ton* | |
|---|---|---|---|---|
| | 1918 | 1919 | 1918 | 1919 |
| No. 1 Crude | 1,808 | 1103 | $937.92 | $1,256.74 |
| No. 2 Crude | 1,896 | 2991 | 424.74 | 618.77 |
| Mill Fibre No. 1 | 13,559 | 13764 | 163.87 | 222.15 |
| Mill Fibre No. 2 | 32,412 | 69868 | 57.17 | 53.02 |
| Mill Fibre No. 3 | 92,700 | 48136 | 26.36 | 19.40 |
| Total | 142,375 | 135,862 | 63.35 | 80.47 |

The United States takes 89%, England 7% and the balance goes to Italy, Japan, France and other countries.

Sixteen producers reported operation in 1919. Details of property development are given as to the various mines and the report is obtainable from the Department of Mines, Quebec, Canada.



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SPINNING FIBRES
*OF*
*Highest Grade*

Edward H. Garcin & Co. Inc.
*1821 Broadway*
*NEW YORK*

BRANCH
MERCER STREET
Long Acre, W. C. 2
LONDON





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# The New Steam Locomotive

The last half century has seen no fundamental development in steam locomotive design. Except as to size, tractive power and the addition of the superheater to the steam generating unit, the elements of the moving power plant have remained relatively unchanged. Up to the present time progress has been gradual and without sudden changes in the operating units and general arrangement, but now such radical departure from present practice is proposed as to suddenly revolutionize the whole design.

Engineers universally agree that we have about reached limits of clearance and weight. The need for greater efficiency in railroad operation and in the conservation of fuel have become so apparent that essential, if not radical changes in the elements of design must be expected. The able presentation of the subject by John E. Muhlfield, formerly general superintendent of the B. & O. Railroad, before the annual meeting of the A. S. M. E. New York City last December, in his paper "The Scientific Development of the Steam Locomotive," is notable because it embodies such definite changes in practice as threaten revolution in the act of locomotive design. The increase in boiler efficiency and degree of superheat, the reduction of reciprocating effects and the general refinement of mechanism which Mr. Muhlfield proposes, will, doubtless, produce, in operating results and appearances, an almost entirely new machine.

Briefly, the boiler efficiency is to be raised from the present standard of 200 lbs. per square inch to 350 lbs. in combination with 300°F of superheat, giving a cylinder temperature approaching 750°F. the maximum considered practicable in the present development of value practice and lubrication. Cylinders would be compounded and back pressure reduced to utilize the greatly increased temperature range. Present outside valve gears would be replaced with a different arrangement to insure a better maintained steam distribution. Reciprocating parts would be lightened and the distance between cylinders considerably reduced.

There is under consideration a machine that will develop considerable thermal efficiency and greater tractive



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effort at high speeds. Evidently an entirely different value and cylinder arrangement, with corresponding changes in power transmission is contemplated. Because of the emphasis on refinement it is likely there will be needed a frame and journal box arrangement similar to European practice. This will replace the existing American practice of providing a system of equalizers to compensate for track irregularities.

Greater emphasis is placed upon fuel economy than upon a material increase in tractive power and therefore, a material increase in weight. The increase of 75% in boiler pressure incurs the likelihood of considerably increased wheel loads, as a result of a heavier boiler. Should it appear that the saving in general operating expenses could be capitalized to provide for materially increased wheel loads, civil engineers will be called upon for the solution of the problem.

The point at interest for our readers in this new locomotive design agitation among the practicing engineering professions is the use of larger quantities of 85% Blocks and lagging. Obviously the higher boiler pressure and superheat proposed will call for more adequate insulation and, consequently, a greater consumption of 85% Magnesia.

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# The Editor's Ramblings

Sitting in our easy chair, ruminating upon the Asbestos business, every once in a while we catch ourselves wondering WHY there is not closer co-operation among miners, among manufacturers and among distributors.

There seems to be no good reason for the miners holding aloof one from the other. While it is doubtless true that one mine is, in some one or more respects, more efficient than another, the advantages of one are offset by those of the other and the start for rock and finish with Asbestos is about the same with all. And yet, each one would have you think it the only respectable outfit in the field, all the others being pirates, outlaws or something worse. Really, if it were not so serious, it would be amusing.

Consider the matter of grading. Not only are there different testing machines, different quantities and lengths



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# Hobdell, Way & Co.

LIMITED

LONDON, ENGLAND

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## RHODESIAN CRUDE ASBESTOS

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## CAPE BLUE CRUDE ASBESTOS

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Address Enquiries to

**W. D. CRUMPTON & CO.**

Special Representatives

Room 1010 #8-10 Bridge Street

New York City - New York




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of test, but, sad to relate, not all of the mines adhere strictly to grading and at least one mine refuses to sell to grade.

Reflecting upon the large capital employed, and the great seasonal and natural risks taken, it is simply astonishing that these conditions persist.

If uniform grading were adopted and adhered to, the milling process would be simplified; the taking of and execution of contracts would be on a firm basis of understanding, and many unpleasant and unprofitable disputes between buyer and seller would be eliminated. All of these improvements would advantage the miner.

Look at it from the manufacturer's point of view. The United States consumes more Asbestos than all the rest of the world together. Why, we wonder, do not the American Mills pool their needs and, thru one common buying factor, purchase their requirements of Asbestos collectively?

If this were done, many abuses would be corrected; better gradings secured; prices stabilized and much buying expense saved.

The American Manufacturer is just like any other buyer, he does not especially care what price he pays, within reason, so long as his competitors do not underbuy him. The Asbestos Miner would benefit by such a plan and, if carried out along just and honest lines, everyone from mine to consumer would be content.

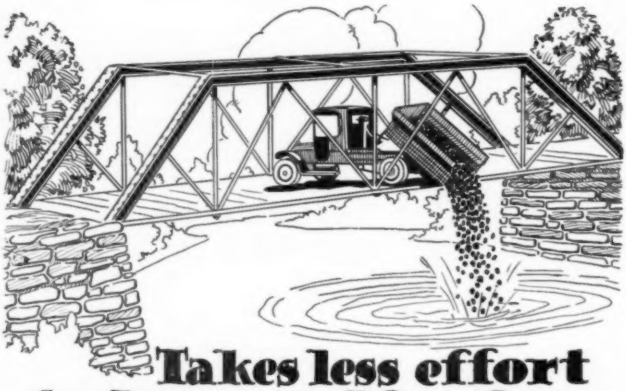
What we observed about mine advantages (and the contrary) is true of the manufacturer. Everybody thinks he has it all over the other fellow and yet, we have been in quite a number of plants without finding any preponderance of mechanical or other advantage anywhere. A showdown of mechanical, human, financial, selling and administrative experience would help everybody and hurt—nobody.

We can hear the echoes of uproarious objection raised in answer to this fanaticism—but, call to mind the cement, paint, leather belting, copper and other highly specialized industries. Co-operation, in the real honest-to-God sense of the word, has become an accomplished fact.

The Asbestos Industry has the same opportunities for co-operative action. Does anybody know WHY twentieth century methods are not popular in this Industry?



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# Takes less effort to dump coal in river

To run a power plant, heating plant, or furnace without adequate insulation is just a dragged out method of throwing away coal.

The right covering on your steam pipes and boilers means big fuel saving. Some one Carey Covering will give you best results, and pay for itself within a few months.—Let us tell you which one to use for maximum economy.

Write for booklet "Carey Asbestos and Magnesia Products."

**THE PHILIP CAREY COMPANY**

***Lockland***

**Cincinnati, - Ohio**

Carey

ASBESTOS & ASPHALT PRODUCTS

85% MAGNESIA




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# Prices Current--September 1920

Average market prices paid by consumers for average quantity, quality and freight haul from producer, were about as follows:

| | | |
|---|---|---|
| Asbestos | Air Cell Covering, 4 Ply | 35% to 40% off |
| " | Air Cell Paper in rolls | $10.00 to $12.00 |
| " | Cement | $1.75 to $3.00 cwt. |
| " | Cloths, 10s Commercial | 1.50 to 2.00 lb. |
| " | Listings and Tapes | 1.75 to 10.00 lb. |
| " | Millboard | 12.00 to 18.00 cwt. |
| " | Packing, Steam, High Pressure | 1.25 to 2.00 lb. |
| " | Packing Sheet | 1.00 to 1.50 lb. |
| " | Wick and Rope | .65 to 1.00 lb. |
| " | Paper, Commercial | 12.00 to 18.00 cwt. |
| " | Paper and Millboard, Special | 17.00 to 35.00 cwt. |
| " | Yarns, 10s Commercial | 1.35 to 1.90 lb. |
| " | Yarn and Cloth, Special | 2.00 to 6.00 lb. |
| Magnesia Carbonate, Powdered | | 15c to 20c lb. |
| 85% Magnesia Pipe and Boiler Covering | | 5% to 15% off |

## Collective Advertising

With the idea of giving widest possible publicity to the tremendous importance of the Asbestos Industry, and to the almost limitless number of uses to which Asbestos Products may be profitably put, the American manufacturers of Asbestos Products will hold a meeting in Philadelphia on Thursday, October 28th, to consider ways and means.

A Committee from the Asbestos Mine Operators Association of the Province of Quebec, will be delegated to attend this meeting for the purpose of assisting in the formulation of plans, the distribution of cost, and the execution of the work.

It is expected that some definite program will be decided upon which if, and when executed, will inevitably react to the benefit of everyone concerned with this Industry.

**SALESMAN**

for 10 years selling Asbestos Paper, Millboard, Pipe and Boiler Coverings, Fibres, Packings and particularly Asbestos Textiles. Personally acquainted with users of these materials in Cleveland and Northern Ohio territory. Do you want representative in this fertile field? Address "Salesman," care of "ASBESTOS," Bulletin Bldg., Philadelphia.



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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*

260 St. James St., Montreal

*General Office*

THETFORD MINES
Quebec, Canada




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THE ORIGINATORS *and*
LARGEST MANUFACTURERS *of*

**85% Magnesia**
**Sectional Coverings**

**Asbestos**
**Textiles, Paper**
**Millboards, etc.**



***"IF IT'S MADE OF ASBESTOS***
***WE'VE GOT IT"***



Keasbey & Mattison Company
AMBLER, PENNA.



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# The Chicago Insulation Club's Dinner

On Friday evening, September 17th, an impromptu dinner was given by the Insulation Club of Chicago, at The Hamilton Clubhouse. Those present were Messrs. Collopy, Krez, Sr., and Krez, Jr., Shailer, Kuchenbecker, Grebe, Buehler, Meade, Nott, Weigle, Drevniak, O'Malley, Barrett, Sr., and Barrett, Jr., Nichols, Golinken and Barstow, all members.

Guests of the Club were W. A. Macan, Chairman of the Magnesia Association of America, and C. J. Stover, Secretary-Treasurer of the Magnesia Association of America and Editor of ASBESTOS, together with John Lind, Secretary of the Prepared Roofing Association of Chicago.

The food was excellent, the cigars in keeping, the drinks were as good as soft Lake Michigan water can be and the Fellowship was admirable.

Officers of the Insulation Club are: President, Oscar Drevniak; Treasurer, M. J. O'Malley; Secretary, Henry Grebe.

The Club is striving by all ethical and legal means to remedy some of the existing evils of the covering contracting business. Among things being considered are the employment of a common estimator, to eliminate duplication of scaling and measuring; the adoption of a uniform method of cost calculation and cost finding, including a standard estimate form sheet; and a uniform proposal sheet.

All of these are laudable aims and from any standpoint are beyond objection. We are sure our Chicago friends are on the right track and suggest a close co-operation of similar character by insulation employers in all large cities.

**Paul Hammerich**

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

THETFORD MINES - QUEBEC, CANADA



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# Cement Coated Nails

*Use, History and Manufacture*

Approximately one-tenth of the wire nails manufactured are cement coated, according to R. L. Foster, president J. C. Pearson Co., Inc., Boston, the largest producers of coated nails in the country. Such nails have been given a shaking up in a hot tumbling barrel with a compound consisting mainly of resin, from which they issue with a thin, tough coating which greatly increases their holding power. The friction of the driven nail with the wood melts the cement and forms a glue, which makes fast the nail.

The product is used principally in wooden packing cases of all kinds, including boxes, barrels, crates. It is claimed that by their use there is less loss because of broken packages, less loss by theft because of the difficulty of prying open the cases and because of the squeak incident to the extracting of the nails. It is said that but one coated nail need be used for every two plain nails.

Cement coated nails are sold by count and correspond in number to a 100-lb. keg of standard plain wire nails. Coated nails are smaller than the standard wire nails in gauge, and in most cases an eighth of an inch shorter, the average net weight being approximately 70 lb. per keg.

Coated nails were invented by Ira Copeland, Brockton, Mass., who died in 1915. Prior to their manufacture in this country they were seen in the United States only when they came in imported packages and were known in Mr. Copeland's vicinity as French nails. Mr. Copeland noticed that the lumber in which these French nails were driven was very resinous, and upon experimentation found that when the French nails were cleaned and driven into our native lumber they did not hold any better than American nails.

He then experimented with various combinations of vegetable gums, which resulted in a patent issued to him in May, 1887. Since Mr. Copeland was a school teacher and not in a position to engage in manufacture, he sold licenses to manufacture under his patent to about 25 concerns scattered over the United States and Canada.

An unusual inquiry has accelerated the market for



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# ASBESTOS TEXTILE CO.

INCORPORATED

MILLS
REYNOLDSVILLE
PENNA.

GENERAL OFFICES
WOOLWORTH BUILDING
NEW YORK

WE MANUFACTURE

## ASBESTOS

- Fibre
  - Wick
  - Yarn
  - Rope
    - Tape
    - Plain Cloth
    - Metallic Cloth
    - Listing
      - Bushings
      - Sheet Packing
      - Gaskets
        - Theatre Curtains
        - Gloves
        - Clothing
        - Packing

*"Quality and Service"*

# ASBESTOS TEXTILE CO.

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MILLS
REYNOLDSVILLE
PENNA.

GENERAL OFFICES
WOOLWORTH BUILDING
NEW YORK.





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coated nails due to demand exceeding supply. Some manufacturers have received supplies only after prolonged effort and thru distant sources. A Philadelphia manufacturer is quoted as having found his only available source of supply for this article in Chicago.

## Asbestos Museum

An effort is to be made to establish on the 12th Floor of the new Gotham National Bank Building, Columbus Circle, New York City, a museum of Asbestos specimens of every kind and description. The materials displayed will be divided into two separate and distinct classifications—one comprising specimens of raw Asbestos from all parts of the world, the other manufactured products.

Manufacturers thruout the entire world will be requested to send catalogues and a full line of samples to this Museum, when the samples will be placed in cabinets, each to have the name of the manufacturer thereon.

There will be no charge whatever to the Manufacturers for this exhibition.

The Museum will be under the direction and ownership of the Asbestos & Mineral Corporation, whose office shortly will be removed to the address given above.

It should be noted that the Asbestos & Mineral Corporation are not now, nor do they expect to be, interested in any manner whatever in the sale of manufactured Asbestos goods, but have decided that, as a valuable addition to their remarkable collection of specimens of raw Asbestos, this exhibition of manufactured goods will prove valuable to Miners, Manufacturers and Consumers alike.

The Museum of raw and manufactured goods will be open to the public after January First. No samples or catalogues should be forwarded until that time.

It seems to us that such a Museum will offer to all those interested in Asbestos an ideal opportunity to make comparisons and to become better educated along broad lines.



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ASBESTOS



Bennett-Martin
Asbestos and
Chrome Mines
LIMITED



*Head Office*

**Thetford Mines, P. Q.**
**Canada**

*General Sales Office*

**220 Broadway, New York**

*Mines Located at*

**Thetford Mines and Vimy Ridge**




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CROCIDOLITE CHRYSOTILE




AFRICAN BASE METALS EXPORT CO. LTD.
P.O. BOX 42
DURBAN NATAL.
CABLES ABMECOL. DURBAN
CODES BENTLEYS & WESTERN UNION

AMOSITE TREMOLITE




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# News of General Interest

According to Universal Engineer, the United States with only 6 per cent. of the world's population and only 7 per cent. of the land, produces:

Twenty per cent. of the world's gold.
Twenty-five per cent of the world's wheat.
Forty per cent of the world's iron and steel.
Forty per cent of the world's lead.
Forty per cent of the world's silver.
Fifty per cent of the world's zinc.
Fifty-two per cent of the world's coal.
Sixty per cent of the world's aluminum.
Sixty per cent of the world's copper.
Sixty per cent of the world's cotton.
Sixty-six per cent of the world's oil.
Seventy-five per cent of the world's automobiles.

We also refine 80 per cent of the copper and operate 40 per cent of the railroads.

---

"The alert manufacturer will take cognizance of the airplane as a transportation factor in the erection of new buildings," says Theodore Bunte, the Chicago candy manufacturer, who is building a tremendous plant at Chicago.

Mr. Bunte asserts that building sites should be feasible for airplane traffic, because he believes the near future will find a place for the airplane commercially, not only in carrying our mails but in alleviating general transportation conditions by handling light freight.

---

According to a recent issue of Commerce Reports, the London County Council has served notice on a number of firms ordering work to cease on their premises in respect to rebuilding or alteration. Among the firms receiving such notice are some of the largest department stores. Such action is said to have been taken under the provision of Housing.

---

A new steel-plate plant, considered the largest in the Orient, and one of the six largest in the world, has just been completed at Yawata, Kyushu, Japan, at a cost of 4.000,000 yen, announces the "Japanese Advertiser."

---

During the past eight years the United States Steel Corporation has expended over seventy-one million dollars in humanizing their industry. This huge expenditure covered such work as welfare, sanitation, accident prevention, relief, pensions and stock subscription plans.

---

A valuable locomotive device called a "booster" has just been perfected by engineers of the New York Central Lines. It



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consists of a secondary power device operated by steam from the boiler and is connected by gears to the axle of the trailer wheels under the fire box. The effect of this new device is to make the trailing wheels also driving wheels, increasing the locomotive tractive power 25 to 40 per cent. The "booster" was designed principally as an aid in starting the train, or in heavy pulling at low speed, but the whole device is automatically released at high speeds. When used on passenger trains engineers can start heavy loads without the jerking so disagreeable to passengers.

The "booster" was exhibited at the American Railroad Association Convention, Mechanical Section, this summer, at Atlantic City, where it attracted much attention and evoked high praise.

---

So great is the demand for small change because of government taxes that the United States Mint has been authorized to coin 2-cent pieces containing upon them the medallion of Theodore Roosevelt, with the dates of his birth and death and bearing the inscription "In God We Trust." The opposite side of the coin carries the inscription "E-Pluribus Unum" and "United States of America" with a designation of the value of the coin.

**DANIEL R. DOUGLAS & CO.,**
**75 West St.,**
**New York, N. Y.**

**Contractors and Jobbers**

**Distributors for**
**National Magnesia Mfg. Co.'s**
**"85 per cent Magnesia" Pipe and Boiler Coverings**
**Asbestos Products**



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*Our ASBESTOS PAPER MILL located at Rockdale, Ohio is one of the LARGEST and BEST EQUIPPED in the UNITED STATES*

## SAL--MO ASBESTOS PAPER

FOR MANUFACTURING

In Rolls 37 inches wide weighing approximately 200 or 300 pounds.

FOR COMMERCIAL USE

In Rolls 36 inches wide weighing approximately 100 pounds each.

also smaller rolls of special width

**FLEXIBLE**
**FIREPROOF UNIFORM**

# Sall Mountain COMPANY

**305-15 South LaSalle Street**
**Chicago**

***Eastern Office - SCRANTON, PA.***





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# News of the Industry

Victor S. Welsford, Chairman of Directors, African Base Metals Export Co., Ltd., of Durban, Natal, South Africa, has arrived in the United States. Mr. Welsford came over in the place of Mr. Duncan, whose intention to visit us was announced several months ago.

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A number of prospectors are scouring California in search of Asbestos. Some samples lately received look promising but no definite information is at hand as to quantity available.

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Three Vital Elements in Brake Lining, is the title of a convincing little envelope stuffer being used by Staybestos Manufacturing Company, Philadelphia. Attention is given to wear, heat, and friction, and the impression gathered by the reader is that Staybestos must be a good lining. We are glad to note these evidences of aggressive selling policy.

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Chester L. Hill, Vice President and General Manager of the United States Asbestos Co., Lancaster, Pa., suffered an acute attack of colitis in early September, being incapacitated for about three weeks. Happily, he has recuperated rapidly and is again busily engaged in turning out the U. S. Co. line of Textiles.

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M. J. O'Malley, Chief of Standard Asbestos Company of Chicago, has just returned from a visit to his aged parents in Ireland. M. J. reports having had a most pleasant crossing and visit. Upon being asked about business conditions in Ireland, he said that the use for pipe covering is somewhat limited over there, because the Irish sometimes use iron pipe as a substitute for the shillala and when they do, they want it hard and uncovered.

---

Raymond F. Corcoran, Commander, U. S. Navy, has recently been appointed Manager of Sales, Eastern District of the General Asbestos & Rubber Company, with offices at 58 Warren St., New York City.

Mr. Corcoran is a native of Charleston, S. C., the home of the General Asbestos & Rubber Company, and entered upon his new duties equipped with an experience which insures his success. We welcome Mr. Corcoran to the Asbestos family.

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At the Milwaukee Convention of the National Association of Stationary Engineers, the Federal Asbestos Co. of Milwaukee presented visitors with a number of interesting and useful souvenirs.

A set of cards bearing pertinent and impressive quips struck



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# Two Minute Talks About "85% MAGNESIA"

Can you cast your mind back into the early "eighties?" Garfield had recently fallen a victim to the assassin. Brooklyn Bridge had only just been opened. Koch was announcing his discovery of the Tuberculosis germ. Bartholdi had completed his now world-famous Statue of Liberty and the Chicago World's Fair had not yet been even thought of.

All of these events produced far greater sensation than the invention of "85% Magnesia" which occurred right in their midst but while nearly every one of our readers has long ago lost interest in the other events—"85% Magnesia" has through all the intervening years, steadily maintained its position as the world's premier heat saving insulation.

Adopted in 1885 by the U. S. Navy; "85% Magnesia" has survived all the marvelous changes in Naval practice and still remains the official U. S. Naval standard. There are a few old plants in existence with their original "85% Magnesia" coverings still in use. The metal of their pipes and boilers has long ago passed into "scrap" but the "85% Magnesia" coverings are still giving good service on the new installations.

Steam pressures have doubled and trebled but "85% Magnesia" is still the recognized leader in pipe and boiler coverings. A thicker covering easily takes care of the increased pressure.

Go back as far as your recollection allows. Is there any item of steam equipment in use today, of which the same can be said?

## MAGNESIA ASSOCIATION *of* AMERICA

**721 Bulletin Bldg., Philadelphia, Penna.**

**EXECUTIVE COMMITTEE, Wm. A. Macan,** *Chairman*

| | | |
|---|---|---|
| George D. Crabbs | The Philip Carey Co. - | Cincinnati, Ohio |
| Alvin M. Ehret | Ehret Magnesia Mfg. Co. - | Valley Forge, Pa. |
| J. R. Swift - | The Franklin Mfg. Co. - - | Franklin, Pa. |
| R.V. Mattison, Jr. | Keasbey & Mattison Co. - - - | Ambler, Pa. |





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our fancy and from time to time we shall use them, over the signature "Federal."

A most useful contrivance was a celluloid holder for a matchbox. Any matchbox can be slipped into the holder and thus your clothes are protected.

Quite a bit of amusement was created when visitors were presented with a piece of Asbestos Paper in the shape of a shirt, which bore the inscription: "Everything is going up; You may go down; If so, go prepared; Get an Asbestos shirt."

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George D. Crabbs, President of the Philip Carey Company, was prevented from attending the meetings of the various Asbestos and Magnesia trade associations owing to the fact that he is under the Doctor's care, suffering from a severe cold in the frontal sinuses.

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Mrs. W. H. Huber, wife of Dr. Huber of the Asbestos Fibre Spinning Company, has been very ill, having submitted to an operation. For some days the result hung in the balance but, fortunately, Mrs. Huber is now on the road to recovery.

---

The Plant Rubber & Asbestos Works of San Francisco, Calif., have completed negotiations for the purchase of the factory and manufacturing business of the Merle Magnesia Mfg. Co., situated at Redwood City, Calif., taking possession on September 1st, 1920.

The factory was erected some two years ago to produce Magnesia by a new process which has proven to be very successful and claimed to be more economical than other methods. It is the purpose of the Plant Rubber & Asbestos Works to enlarge the factory and greatly increase the output of Carbonate of Magnesia and 85 per cent. Magnesia Pipe and Boiler Coverings. The consideration given was approximately $200,000.

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The September Market Letter of the Asbestos & Mineral Corporation is quite bullish on the Crude and Fibre price prospects. Several good points are made and it is a bit hard to refute the arguments.

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A Chart of Sizes of Brake Lining for a long list of popular automobiles is issued by the American Asbestos Company of Norristown, Pa. The chart is roughly 12" x 18", is fitted with a hanger ring and will doubtless be found highly useful by dealers, garage men and others interested in brake lining. We are glad to use one in our office.

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W. D. Crumpton & Co., Special Representatives for The Rhodesian & General Asbestos Corporation, Ltd., advise that they are now in position to make immediate and forward shipments from the Mines, of No. 2 White Rhodesian Crude.

---

Mikesell Brothers Company, recent entrants into the field of Asbestos Textile Manufacture, announce in a little folder, a



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## Consolidated Asbestos Limited

*MINES AT*

THETFORD MINES, QUEBEC, CANADA
ROBERTSONVILLE, QUEBEC, CANADA

**Miners of all Grades**
*OF*
**ASBESTOS CRUDE and FIBRE**

*EXECUTIVE OFFICES*

Dominion Express Building
145 St. James St.
Montreal, Canada





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policy of fair dealing, quality production and right pricing. That's a splendid platform. Let's all practice it.

"Defend Your Steam" is the title of a book just published by the Magnesia Association of America. This book is for distribution to Engineers and large steam users. It is most attractively gotten up, profusely illustrated, and, most important of all, contains valuable information on insulation problems. The book is written in a practical style, so that the steam user who is not an engineer, can readily understand it.

The National Magnesia Co. has been chartered in Brooklyn with $25,000 capital to make druggists' supplies by J. J. Silberstein, J. G. Schuler and E. Neimeth, of No. 1266 Fifty-fourth St., that borough.

The National Asbestos Co., Germantown Avenue and Armat Streets, Philadelphia, will build a two-story plant on Germantown Avenue and Berkley Streets, to cost about $60,000.

On October 1st, the W. E. Steelman Company consolidated their Philadelphia offices and warerooms at 422-426 Callowhill Street, this move being made in order to improve their service to customers. In addition to their stock of Pipe Coverings and Asbestos Products they will carry Asbestos Shingles, Building Lumber and Wall Board.

One of our subscribers, Mr. Chas. E. Wehr, of Indianapolis, Ind., claims nineteen years continuous service in the Asbestos business, fifteen years with the H. W. Johns-Manville Company, and the last four years as a free lance.

Mr. Wehr reports very satisfactory business in his territory, and from the nature of various clippings taken from Indianapolis papers, it is evident that Mr. Wehr is a very live wire.

Henry Berry, Vice President and General Manager of the Canadian Asbestos Co. died at Montreal, September 13th, after a long illness. Mr. Berry was 54 years old and had been engaged in the Asbestos Industry for many years.

Several of our readers tell us of very pleasant vacation trips enjoyed during the past summer.

George D. Crabbs, President of the Philip Carey Company of Cincinnati, has recently returned from an extensive motor tour thru the Adirondack and White Mountains.

W. E. Steelman of W. E. Steelman Co., Wilkes-Barre, has returned from a fishing trip in Northern Canada, reporting that on every venture out into the streams and lakes, they filled their basket with sufficient for their needs and then upon catching further fish returned them to the water.

M. T. Rhodes of the Textile Department, Keasbey & Mat-



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# ELWOOD J. WILSON

*Mining Engineer*

**76 CORTLANDT STREET**
**New York City**

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**Asbestos Crude and Fibre for Sale**

**Asbestos Yarns of all Grades**

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**Will Examine and Report on Asbestos Mines and Prospects Anywhere**

***Correspondence desired with Owners of Asbestos Mines with a view of Purchase***




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tison Company, Ambler, Pa., took the beautiful trip up the Saguenay River to Montreal.

A. S. Rossiter of Secretarial Service, visited Cleveland, Detroit, Buffalo, Niagara and the Thousand Islands.

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H. Becker, of Becker & Haag, Berlin, Germany, was a visitor at this office a few days ago.

Mr. Becker reports a keen demand for Asbestos, raw and manufactured thruout the Central Empire, but the extremely high price, coupled with the prohibitive rate of exchange makes it next door to impossible for German buyers to finance purchases abroad.

Economic conditions are so disturbed as a war result that much suffering is observed, especially in the larger centers of population.

Fighting goes on thruout Europe and there is yet no peace.

Mr. Becker while in this country is desirous of meeting and conferring with all asbestos producers.

---

John R. Livezey, Contractor for Insulation of all kinds, have moved their offices to Glenwood Ave., West of 22nd St., North Philadelphia Station, Philadelphia. They were formerly located at 1933 Market Street.





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AMPHIBOLE
ASBESTOS

*For particular purposes*
*Submit your problems to us.*

For technical and commercial FILTRATIONS
also
LONG, SHORT, WOOLLY and
PLASTIC FIBRES

**POWHATAN MINING COMPANY,**
**Woodlawn, Baltimore, Md.**





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QUALITY USACO PACKINGS

**United States Asbestos Company**

**General Office: Lancaster, Pa.**

**Mills at Manheim, Pa.**

We manufacture asbestos yarns and fabrics, also packings and friction facings and sell them exclusively to rubber goods manufacturers, packing manufacturers and brake lining manufacturers and to distributors of asbestos material on a quantity basis

**Branches**

**New York** **Boston**




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Asbestos Paper
Asbestos Roll Board
Asbestos Mill Board
Asbestos Packings
Asbestos Pipe Coverings
Asbestos Blocks
Asbestos Cements
Asbestos Roofings
Asbestos built-up-Roofing Felts
Asphalt Roofings
Asphalt Felts
Slate Top Roofings
Slate Top Shingles
Coal Tar Felts
Coal Tar Products

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**EHRET MAGNESIA MFG. COMPANY**

**VALLEY FORGE, PA.**

September 16, 1920.

Editor of "ASBESTOS,"
721 Bulletin Bldg.,
Philadelphia, Pa.

Dear Mr. Editor:

The writer is overflowing with enthusiasm, as 85% Magnesia's record during the past thirty-five years is reviewed by men that attended its christening.

It has made good the promise of its youth.

85% Magnesia Pipe and Boiler Covering is recognized on sea and land as the one and only permanent economic insulation.

This Covering (85% Magnesia) has saved more tons of coal each month and every month since 1881 than any other insulation commercially exploited.

Yours respectfully,
EHRET MAGNESIA MFG. CO.


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# Where Disaster Strikes The Red Cross Is There



Last year in the U.S. the Red Cross aided more than 30,000 victims of flood, fire, tornado or other unavoidable disaster.

You are called to do your part by renewing your Membership.

Robinson Press,
Hatboro, Pa.


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