ASBESTOS

Vol. 2 DECEMBER, 1920 No. 6



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



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Asbestos Magnesia Pipe Coverings
Asbestos Air Cell Pipe Coverings

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Norristown Magnesia and Asbestos Co.

Norristown -:- -:- Pennsylvania

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MAY your Christmas be Merry and the Year 1921 be the happiest and most Prosperous in your experience until 1922

BRANCHES

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... ASBESTOS ...

A MONTHLY MARKET JOURNAL

Devoted to the Interests of the Asbestos and Magnesia Industries

Secretarial Service - - *Publisher*
C. J. Stover - - - *Editor*

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Vol. 2 **DECEMBER, 1920** **No. 6**

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Photo by courtesy of Philip Carey Co.

This interesting window display is being extensively used by retail distributors of Carey Asbestair Covering. The method of demonstrating is original and striking. The inside temperature of the pipe is maintained by 40 watt electric lamps, and this temperature is approximately the same as the inside temperature of a hot air furnace pipe. The thermometers register anywhere from 20 to 50 deg. difference, depending upon surrounding conditions.

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The Asbestos Shingle

By A. S. Rossiter

Asbestos Shingles, or perhaps we should say, Asbestos Cement Shingles, have made for themselves a very large place in popular favor, particularly in recent years.

Unlike most Asbestos Products, Asbestos Shingles are made under patent, and for this reason, there is a pronounced difference between Asbestos Shingles produced by the several manufacturers. Even an expert can only guess at the name of the manufacturer of a certain piece of Asbestos Cloth, but a person familiar with the various makes of Asbestos Shingles can easily tell by casual examination whether the particular shingle he is looking at is made by one manufacturer or another.

The inventor of the first Asbestos Shingle, Ludwig Hatschek, was an Austrian, and Asbestos Shingles were manufactured and used in Europe a number of years before they were introduced into the United States.

The first building covered with Asbestos Shingles in this country is the water tower building on the estate of Dr. R. V. Mattison, at Ambler, Pa. The Asbestos Shingle Roof was applied in 1904 and is still there, apparently as good as when first applied.

The Hatschek process builds the shingles up layer on layer. Later, a moulded type of Asbestos Shingle was invented by Charles Norton and the process patented. Other patents have since been taken out.

There are at the present time at least four distinct types of Asbestos Shingles produced in the United States, with a fifth showing on the horizon.

Composition. It is not our purpose here to discuss the several processes, nor their respective merits.

In all processes, however, there are two common factors, without which none could be a success. These factors are, first, the use of Asbestos as a binder, and second, heavy pressure.

Asbestos Shingles are made of Asbestos, Cement, and, (if other than the natural cement color,) the color pigment, together with water.

Since the largest part of the composition is cement, one

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would naturally think that they would be called Cement Shingles rather than Asbestos Shingles. That this is not the case is due to two reasons. In the first place, while Asbestos constitutes but a small portion of the composition (about 15%) it is indispensable. No other material has ever been found which will so bind the cement into a thin sheet that it will be sufficiently strong to withstand the hard usage every roofing material receives. As the Asbestos Fibre used is short, perhaps but a quarter of an inch in length or less, it would seem that almost any fibrous material would perform the function with satisfaction, but so



Photo by courtesy of K. & M. Co.

The American Method Shingles used on the stables belonging to a large estate.

far, altho many experiments have been made, nothing else has been developed suitable for the purpose.

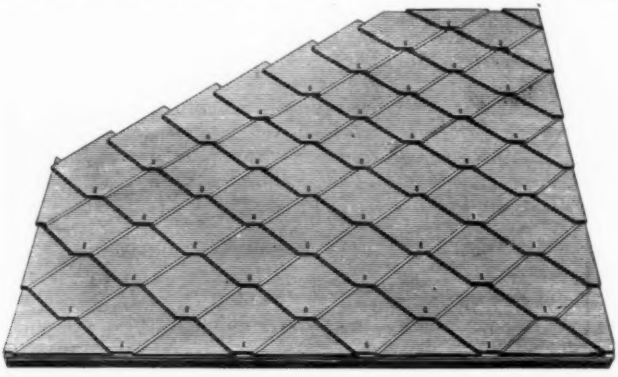
The second reason is a psychological one. When people read of Asbestos, their first thought is that it will not burn, and altho they know equally well that Cement will not burn, Cement does not suggest to them in the same way that Asbestos does, the fact that the material is fireproof.

The second common factor, as I have said, is heavy pressure. The shingles are placed in heavy hydraulic presses, and receive a pressure of from 8,000 to 10,000 lbs. to the square inch. This firmly knits together the asbestos cement composiition, and adds to their durability.

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If you stop to think a moment, you can easily realize, without any urging upon the part of the manufacturer, that Asbestos Shingles are really one of the best forms of roofing. Everyone knows of the lasting qualities of both Cement and Asbestos. Taken together, and adding the binding quality of the Asbestos Fibre, and the heavy pressure to which they are subjected, could a material thus made prove anything else but satisfactory?

Designs in application. Asbestos Shingles are made in various shapes, and it is therefore possible to have your Asbestos Shingle roof applied in any one of several designs. In Europe much of the roofing is applied diagonally (see illustration) and that form was introduced here when the Asbestos Shingle was introduced. Its advantage is the small quantity of material required to cover a given area compared with our straight line (American) method,



Drawing by courtesy of K. & M. Co.

The Honeycomb Method. Note the "shadow" effect.

and yet the application of the Diagonal Method is made in such a manner that while the laps are small, the roof is perfectly watertight. Other roofings are seldom applied by the diagonal (or French) method, altho I have seen one or two slate roofs put on in that fashion in Vermont, where slate quarries are numerous.

The Diagonal Method of application is very interest-

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ing from a mechanical standpoint. By the use of what is known as the Copper Storm Nail, the whole roof is practically tied together, and there is no danger, when properly



How the Copper Storm Nail ties the Diagonal Asbestos Shingle Roof Together.

applied, that the shingles will slip out as slate frequently does. The illustration on this page will show this to some extent.

The American manufacturer improved on the Diagonal method by cutting off the lower corner and making the so-called honeycomb effect. This, as you will notice by the illustration, gives a slight "shadow" effect and therefore a more artistic appearance to the roof. Since a Honeycomb Method roof costs no more than a French Method, and both are cheaper than the American, the Honeycomb is fast becoming the predominant design. There are some variations of the American Method also, altho most American Method Asbestos Shingle roofs use the 8 inch by 16 inch rectangular shingle.

Artistic Effects. While Asbestos Shingles have long been received enthusiastically by the general public, they have not found quite so much favor in the eyes of the architect, because their "lightness" and lack of "shadow" did not give the desired effect. In other words, the roof had a "thin" appearance, as if it were not heavy enough to hold the house down, and for that reason Asbestos Shingles could hardly compete with Spanish Tile and other roofings of the heavy type.

For this reason some of the manufacturers have experimented with a heavier Asbestos Shingle. First was produced the One-quarter inch thick shingle (the regular Asbestos Shingle is ⅛ inch thick). Then another manufacturer went a step farther and made a rough edge ¼ inch shingle, while this has been still further improved upon by the Asbestos Tapered Shingles and Slates, these

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HIGH GRADE ASBESTOS TEXTILES

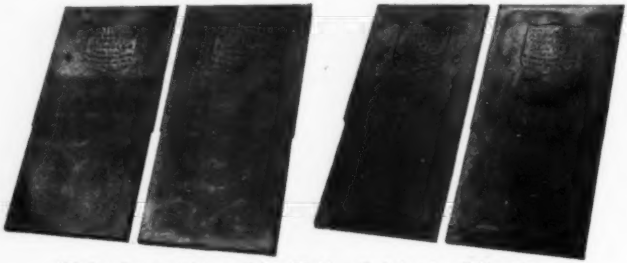


Asbestos Fibre Spinning Company

North Wales, Penna.

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latter being 9/16 inch thick at one end, and 3/16 inch thick at the other. The Asbestos Tapered Shingle is made with a rough texture surface resembling the hand-hewn effect of cypress and cedar shingles, while the Asbestos Tapered Slate has sides and butt resembling the irregular effect of the flaking or scaling shown on natural slate. Illustrations of the Tapered Shingle and Slate is given below.



Plates by courtesy of the National Asbestos Mfg. Co.

The Asbestos Tapered Shingle *The Asbestos Tapered Slate*

All these thicker shingles are made in the American Method only, and since, naturally, they contain more material than the 1/8 inch thick shingle, and require, because of the larger laps, more material square feet to cover a given area of roof than do the French or Honeycomb Shingles, they are used almost exclusively on the larger, more expensive residences or buildings, where money is no object and an artistic effect is desired.

Colors. The principal colors in which Asbestos Shingles are produced are the natural grey of the cement, red and slate color. They are also produced in Spanish brown, dark red, and just recently, a green shingle has been perfected. The difficulty in producing colored Asbestos Shingles has always been to find a color pigment which, when combined with the cement, and exposed to the weather, will not fade. The manufacturers of Asbestos Shingles have been most careful in securing permanent colors for their shingles, and absolutely refuse to put on the market shingles which will fade after a few years time. This is one reason why the colors in which Asbestos Shingles are made are comparatively few in number.

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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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It is possible, however, to obtain various color effects with the few colors produced. The one-quarter inch thick shingles are often sold in mixed colors and applied so that the roof will have a mottled effect. For instance, in a quantity of shingles necessary to cover a given area, there will be a certain proportion of red shingles, a quantity of dark brown, and the balance in other shades of brown. These are then applied promiscuously giving an effect which is extremely good.

The Veneered Shingle. Another innovation is the Red Veneered Shingle. The pigment used in the colored shingles is expensive since it must be one that will not fade upon exposure to the weather, and therefore the colored shingles are more costly than the natural grey ones. Buyers often expressed a desire for a red shingle but demurred at this extra cost. One of the manufacturers thereupon introduced the Red Veneered Shingle, which is simply a shingle with a grey (natural cement) base and a veneer of the red material on top. When exposed to the enormous hydraulic pressure before drying, the two layers are so firmly knit together that so far as durability is concerned there is no difference between the veneered shingle and the solid ones, and since only about a third of the shingle contains the color pigment, the Veneered Shingle is naturally much cheaper than the solid colored shingle, altho slightly more expensive than the natural grey one. The Veneered Shingles are made in other colors besides red, altho the Red seems to be the most popular.

Uses. Asbestos Shingles are suitable for use on any roof of sufficient pitch (one-quarter or over). I dare say no variety of building could be named on which Asbestos Shingles have not been used: houses of almost every type, barns, stables, all kinds of farm buildings from the dog house up, garages, factories, railroad stations, churches, schools, hotels, hospitals, army barracks, government buildings of all descriptions.

The United States Government purchases large quantities of them for their various building operations. Since salt air does not affect them, they are particularly adaptable for use at the seashore. The next time you are at the

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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

IMPORT

European Headoffice:

WARMOESSTRAAT 76

AMSTERDAM

HOLLAND.

EXPORT

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Canadian Crude Asbestos and Fibre Corporation

LIMITED

THETFORD MINES



WE wish all our friends and those interested in the Asbestos Industry a very Merry Christmas and a Happy New Year.

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shore look around and notice the great number of Asbestos Shingle roofs in every direction.

Asbestos Shingles are used for the sides of a house as well as the roof, and some very attractive homes have been built with the grey asbestos shingles on the sides of the second story while the roof is red. Sometimes the first as well as the second story is sheathed with them, altho this does



Photo by courtesy of K. & M. Co.

A Cement House from foundation to roof. Honeycomb Style Asbestos Shingles on the sides with regular French Method Roof, and the foundation of cement blocks.

not give as good an effect from an artistic point of view. From a dollars and cents viewpoint, however, the effect is very pleasing as when your house is sided with Asbestos Shingles, the painter need only renew the paint on the window frames and other "trim," and his bill will be small.

The whole story of the popularity of Asbestos Shingles might be summed up in two words, viz: "ultimate econ-

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omy." When they are once applied, the expense is ended, and at that, the first cost is comparatively low.

Prices Current--November 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	$2.50 to $3.00 cwt.
"	Cloths, 10s Commercial	1.50 to 2.00 lb.
"	Listings and Tapes	1.75 to 10.00 lb.
"	Millboard	10.00 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	10.00 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		10% to 20% off

W. L. Steffens, of the Philip Carey Company, has written another interesting article on Asbestos Paper, treating this time of its manufacture and use. Look for this article in the January number.

PENNA. ASBESTOS CO.

John A. Hovey, President
601 Bulletin Bldg., Philadelphia, Pa.
Factory: NORTH WALES, PENNA.

Specialist in Asbestos Cements

Special Proposition
For Large Distributors

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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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Market Conditions

With the Miners.

Somewhat conflicting reports are current as to the future trend of raw material prices. On one hand is bullish comment, on the other we hear the opposite. No doubt the purveyors of these opinions are sincere but the matter of reconciling the different ideas is quite some job.

Basically, the 1921 market for crudes and fibres will be determined by the old demagogues, supply and demand, no matter what may be predicted, opined or prognosticated.

Study of the figures of relative production and per ton values is recommended to the reader who is trying to chart his course.

We see no immediate sign of over-production in Canada especially of crude and long fibre. We do see, however, marked increase in the use of Rhodesian, African and Arizona with several new contenders showing on the horizon.

The question as to whether or no there is a demand for yarns and cloths made of blue and brown asbestos must in honesty, be answered in the negative. There is no *demand*, true enough, but spinners are turning more and more regularly to blue and brown and are gradually educating the trade to accept yarns and cloths made therefrom.

With Canadian Crudes selling up to $3500 per ton it is not to be much wondered at that spinners seek to use fibres which can be bought at a fifth of that price.

Everybody agrees that Canadian is the best, but, with the present differentials, it is like comparing a Ford with a Locomobile.

Both *will* run and in keenly competitive markets with lowered purchasing power, Ford has the best of it in the selling argument.

There will be no serious break in the raw material market until non-Canadian fibres are proven, tried and accepted by the trade and consumer. When that time comes, if it does, then Canadian must be brought nearer the level asked for non-Canadian.

With Asbestos Paper Mills.

New building has shrunken to nearly nothing but, even so, the makers of paper and products thereof are en-

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PLANT RUBBER
and
ASBESTOS WORKS

Main Office and Rubber Factory
San Francisco, California

Magnesia Factory, Redwood City, Cal.

Manufacturers of

85% Magnesia Pipe and Boiler Coverings.
Asbestos Air Cell and Minocel Pipe and Heater Coverings.
Asbestos and Magnesia Plastic Cements.
High Temperature Furnace Linings.
Asbestos High Pressure Rod Packings.
Asbestos Braided or Twisted Valve Stem Packings.
Asbestos Gaskets.
Theatre Curtains—Gloves.

ALSO

Braiders of Square Flax Packings, and Makers of a general line of
Hydraulic and Low Pressure Packings;
Moulded Rubber Valves, Gaskets and Rings.

Ask for General Catalogue Number Six.

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joying a very satisfactory trade. Volume is fair and prices rule firm.

The building trades are being seriously hampered by the lack of available capital. It is not yet clear that the Federal Reserve System is the last word in controlling credits. With the United States standing in need of at least 1,000,000 houses, it is a sorry sight to witness reasonable credits refused to would-be home builders, while credit is granted to other classes of citizens whose preferred right is not clearly established.

Then, too the deplorable conditions being exposed in New York City and which may be assumed to exist in all large centers in greater or lesser degree, are not conducive to the inspiring of confidence in the building industry.

The Asbestos Paper industry depends largely upon general building conditions for a market and is fortunate that it has not been more seriously affected by the slack times.

The delivered cost of coal is, perhaps, the saving grace in the situation. With not more than 20 per cent of existing heating plants in homes insulated, the field is almost unlimited for sales of asbestos corrugated paper, air cell covering and cements.

With the Spinners and Weavers.

In line with general business tendency the Asbestos Textile Industry is gradually contracting. Night work has been discontinued and one or two of the plants will reduce working time to four days a week early in the year unless a change occurs in demand.

Cotton, woolen, silk and other broader lines of textile activity are almost at a standstill. The cancellation evil has "raised Cain" with these lines. Asbestos spinners have not been called upon to cancel but heavy "suspend shipment" orders have temporarily tied things up.

Without a doubt this Asbestos business is less harmed than almost any other of which knowledge is had.

The mortality records of business show but one failure among asbestos manufacturers during the past twenty years.

Much comfort may be derived from that fact.

85% Magnesia.

This market holds firm in face of lessened demand.

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White Chrysotile.

The Victoria District Industries, Ltd.

Fort Victoria,
Southern Rhodesia.

Are Mine Owners, operators, and dealers.

Now open to consider "forward contracts."

Blue Crocidolite
White Tremolite
Brown Amosite

African Base Metals Export Co., Ltd.

Kearsney Buildings,
Durban, Natal.

Are Mine Owners, operators and dealers. Ready to consider prompt and forward contracts for several grades.

CABLES:—Both companies use Broomhall's Imperial Combination, and Bentley's Codes, and will respond promptly to cabled enquiries.

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With costs showing consistent increase it cannot be expected that manufacturers will sell the product at less than cost. It is impossible to figure magnesia cost of production on any but a continuous run basis and for many months past the monthly and quarterly analyses have been most startling in that per pound cost has shown no tendency to recede.

Until coal and coke, which make up the large part of the cost, can be purchased at reasonable figures, magnesia must hold present levels.

A fair volume of new business is offering, not so much as in 1918 to be sure, but enough to keep all plants tolerably busy.

The powdered carbonate business is suffering from the cancellation evil and, to some extent, from overproduction, largely caused by new entrants into the manufacturing field, one or two of which have apparently been carried away by erroneously judging the powder business from a war time point of view.

Much of the wartime demand ceased on the original Armistice Day and the lack of present demand from the rubber trade will make the path of some of the newcomers a bit rough and uncertain.

We fear the Magnesia powder business has been greatly overrated in some quarters and that over expansion will act as a boomerang.

The market for powder is quite narrow and is exceedingly difficult to expand.

POWMINCO
GOOCH
FILTER
FIBRE
TECHNICALLY
PURE

POWMINCO ASBESTOS
(Amphibole)
For filtering and other problems
Samples submitted
Powhatan Mining Company
WOODLAWN, BALTIMORE, MD.

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FRANKLIN
FUEL SAVING
PRODUCTS

PSYCHOLOGY

Advertising and sales talk are most effective when they appeal to one or more of the primary senses; sight, hearing, touch, smell and taste.

Heat Insulation is hardly susceptible to such treatment. The logical basis for pushing it must be the universal desire to make or save money. Over and above the fuel saved, the indirect benefits derived from heat insulation can on analysis be translated into dollars and cents. These indirect gains or savings are often a very important addition to the value of the fuel saved directly.

The recent British coal strike is bound to cause increased prices for coal here, or else to delay decreasing prices, and it is unnecessary to say that coal prices now were not thought possible a few years ago. The rise in coal prices has been accompanied by increases in prices of every other fuel.

Fuel prices are so high as to make the saving by insulation very great, and recent developments in business conditions strongly indicate the necessity for every economy of operation.

What saving can be suggested to compare with that of $2,000 per year for the life of the plant, by the single expenditure of $1,000 for 85% Magnesia?

The Franklin Mfg. Company
FRANKLIN, PA.

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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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Christmas Wishes

I wonder how many of the readers of ASBESTOS quite understand to what an extent busy men are dependent upon their secretaries.

Too little credit is given to the still small voice of the seldom-failing secretary whose followup system never permits us to write the wrong thing, to fail to keep appointments, in short, who makes us do our work efficiently, expeditiously and with joy in its doing.

For the past three weeks I have been trying to write an appropriate Christmas editorial—one that would really express what is in my heart at this Happy Christmas Season.

Honest Injun, I have made a number of attempts, have filled reams of paper with vapid words, and was just about to give it up, and let December ASBESTOS be published *without* a Christmas Editorial when my secretary, who helps me out on all occasions, lays on my desk the very identical thing that says it all. So here it is, from a heart full of gratitude:

There was a little man
And he bought a little card,
And he wrinkled up his forehead
And he pondered long and hard,
And he tried to think up wishes
That a clever cuss might quote,
And finally he said "Oh, H—ll!"
And this is what he wrote—

MERRY CHRISTMAS!

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BRAKE LINING YARN

Blue Asbestos Crude

(Fiberized)

The day is here when Manufacturers of Brake Lining Yarn must consider as never before, the cost of their raw material.

There is no Asbestos for sale today that can compete in price with Blue Asbestos. In using Blue Asbestos you can get the same production as any other grade.

For fourteen years Blue Asbestos has been successfully used in Europe for making yarns.

All prejudice against the use of Blue Asbestos is now removed due to our method of preparation.

We specialize in preparing Blue Asbestos Crude for Spinners.

Substantial stocks always on hand ready for immediate shipment.

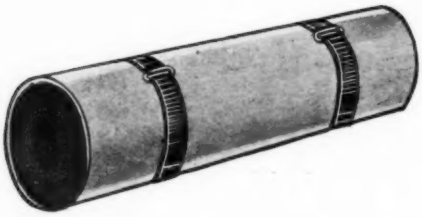
ASBESTOS LIMITED

8 West 40th St., New York City, N. Y.

Blue Asbestos Mines, Griqualand, South Africa



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"85% MAGNESIA"
SECTIONAL PIPE COVERING
Blue Asbestos Crude
(Fiberized)

The Magnesia Association of America, on page 10 of their latest booklet, "Defend Your Steam," say—

1. "The following table showed the heat loss from a pipe lagged with various materials each 1½" thick, with steam at 400 degrees F., and an outside temperature of 68 degrees F.:

2.

MATERIAL	B. T. U.'s per sq. ft. per hr.
Magnesia	118
Blue Cape Asbestos	121
Mica (best only)	123
White Asbestos	126
Plastics, etc. (best)	133
Plastic, etc. (inferior)	143

Therefore, Blue Asbestos is more efficient for insulation than White Asbestos. It also gives increased strength to the finished product and costs no more than White Asbestos.

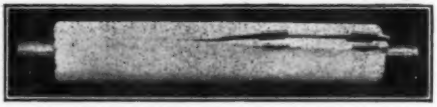
ASBESTOS LIMITED
8 West 40th St., New York City, N. Y.
Associated with
Cape Asbestos Co., Ltd. London, England



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A Boon To Pipe Coverers

CANVAS



Patented March 1919
United States, England and Canada.

LOCK

Used
In place of Sewing

Invented and Manufactured By

JOHN W. WALLACE & CO.

Asbestos and Magnesia Contractors

Steam Pipe and Boiler Coverings, Hair Felt, Wool Felt, and Air Cell Applied

153 Tenth Ave., New York

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The Canvas Lock

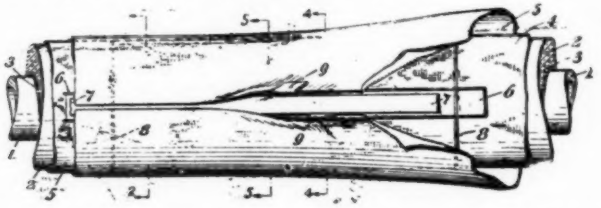
A Convenience for Pipe Covering Contractors.

The "Canvas Lock" which is described as being an approved method for uniting the margins of flexible materials, has been invented by John W. Wallace, of John W. Wallace & Company, New York City.

While this contrivance may be new to many of our readers, it has been used extensively on Marine and Stationary work in the East for the past four years.

Mr. Wallace is an "old timer" in the Asbestos and Magnesia business, having had practical experience with the tools, and being Superintendent for a large Pipe Covering Contractor where he was in charge of all construction work for over twenty years. During that experience he realized the great need for the saving of time and labor, and finally, thru diligence and perseverance, evolved the "Canvas Lock," which eliminates the slow and trying process of sewing the extra canvas covers on sectional covering.

The "Canvas Lock" is composed of a channel strip of metal for receiving the marginal edges of the flexible material used to cover any surface (for example and more particularly, the outer covering commonly used over the canvas jacket of Sectional Pipe Covering); and a strip of light metal or stiff paper used to secure the edges when the Lock is pressed flat into finished form.

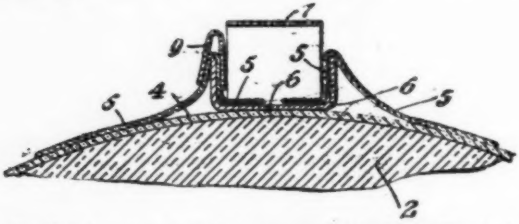


Showing the application of an extra canvas covering over a section of insulating material applied to a steampipe.

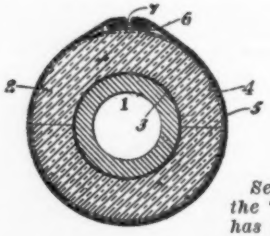
1—Steampipe
2—Sectional Covering
3—Lining (Asbestos Paper)
4—Canvas Jacket or Rosin Sized Paper
5—Extra Canvas Covering
6—Channel Strip
7—Locking Strip
8—Tie wire to hold section secure
9—Clip for holding canvas secure while stretching

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The application of the Canvas Lock is a very simple matter, so simple, in fact, that it does not require a skilled mechanic to do the work, but can be applied by a helper. To cover the section we first lay the channel (see No. 6) on top of section and canvas jacket (see Nos. 2 and 4), drawing the extra canvas (see No. 5) over upright edge of channel, so that the marginal edge of the canvas will lay in the channel. This edge is then secured by a clip (No. 9), and the opposite edge of the canvas drawn round the section and canvas jacket so that it lays in the channel on top of the first edge. It is also secured by a clip. The canvas cover (No. 5) is drawn tight and the locking strip (No. 7) laid into pit of channel on top of both marginal edges of canvas. Then both sides of the channel are pressed down inwardly to a flat position, and the clips removed. The pressing down of the sides of the channel draws the canvas taut, and secures it firmly, locking both edges of the canvas and making a neat, snug finish which is smooth and pleasing to the eye.



Partial transverse section on vertical plane, illustrating an incomplete stage in the application of the "Canvas Lock," in which the locking strip (No. 7) is shown ready to be placed into the bottom of channel (No. 6).



Sectional view showing the "Canvas Lock" after it has been applied.

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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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AMERICAN
COMP

Manufactu

Asbestos

NORRISTOWN,

Headquarter

YARNS, CLOTH, TAPES, FIBRES, BRAKE L

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THE BRAND OF SUPERIOR QUALITY

N ASBESTOS
MPANY

ufacturers of
os Textiles
WN, PA., U. S. A.

adquarters for
BRAKE LININGS AND TEXTILES GENERALLY

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ASBESTOS MINES LIMITED

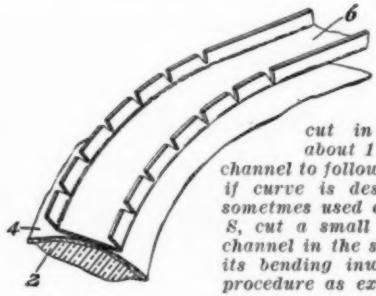
Head Office
JACOBS BUILDING
282 St. Catherine St. West, Montreal, Que.
Canada.

MINING ALL GRADES OF ASBESTOS FIBRE

Mines located at East Broughton, Que.

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

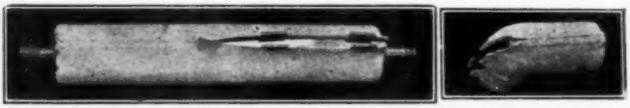
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Perspective view showing the method used in applying the "Canvas Lock" on curves, bends or angles, the sides of channel (No. 6) being cut in straight vertical lines about 1 inch apart to permit the channel to follow the curve, bend or angle, if curve is desired inward, such as is sometmes used on pipes forming a figure S, cut a small V shape out of sides o, channel in the same manner to permit of its bending inwardly, then follow same procedure as explained for straight line.

A few minutes demonstration will convince anyone that the Canvas Lock is applied much more quickly than the canvas can be sewed, and since helpers can apply the Canvas Lock quite as satisfactorily as Mechanics, the saving in labor cost is very great, notwithstanding the extra cost of the lock over thread.

If it becomes necessary at any time to remove the sectional covering for repairs to the pipe, the Canvas Lock can be readily taken off and after the repairs have been made and the sectional covering replaced, the same canvas and Lock can be reapplied. Naturally this is a great saving in material, and labor as well, since anyone around the plant can reapply the canvas lock.



Showing the finished covering on a straight line, also on a curve or elbow. Part of the Lock is pressed flat to show how it is finished. Notice that when finished the joining is barely noticeable

Then, too, it is often difficult to secure "sewers" to apply the extra canvas covering. A fifty thousand foot pipe covering job in the East was recently held up for this very reason. The General Contractor was at his wit's end when the Canvas Lock was brought to his attention. He tried it out, and now regards the inventor as a sort of Moses, who led him out of his wilderness. Incidentally, he will save money on that contract.

A sample of the Canvas Lock can be examined in the

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SPINNING FIBRES
OF
Highest Grade

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

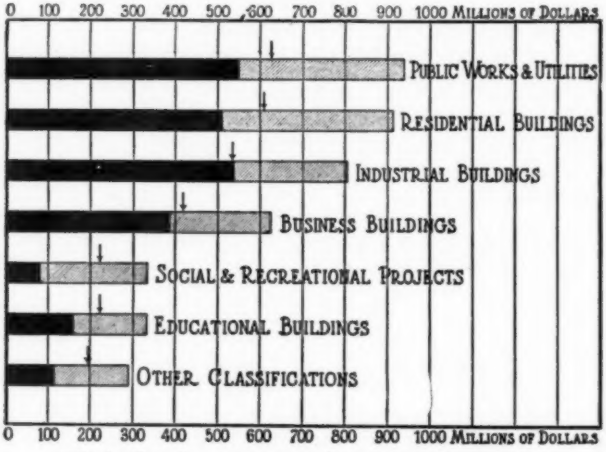
BRANCH
MERCER STREET
Long Acre, W. C. 2
LONDON

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office of ASBESTOS or we imagine the inventor would gladly send a sample to anyone interested.

Construction Projects in 1920

[FIRST TEN MONTHS]



Black Bands represent Contracts Awarded
Shaded Bands represent Excess of Work projected over Contracts Awarded

CONTEMPLATED WORK—$4,241,000,000
CONTRACTS AWARDED—$2,336,000,000

November 17, 1920

Copyright by
THE F. W. DODGE COMPANY
1920

The above diagrammatic chart was compiled from statistics collected from twenty-five northeastern states comprising two-thirds of the country's population and three-fourths of the country's total construction activity. This is reprinted by permission of F. W. Dodge Co.

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IT IS perhaps not news to many in the engineering world that the United States Navy specifies and uses "85% Magnesia" ashore and afloat for the conservation of its fuel, but did you know that the steam lines, boilers, etc., of the world's two greatest dreadnaughts, the *U. S. S. TENNESSEE* (built at the Brooklyn Navy Yard) and the *U. S. S. CALIFORNIA* (built at the Mare Island Navy Yard) are covered with *NATIONAL* "85% Magnesia?" They are.

The United States Navy is a discriminating buyer.

NATIONAL MAGNESIA MANUFACTURING COMPANY

Manufacturers of

"85% Magnesia" Pipe and Boiler Coverings
Locomotive Lagging

544 Market St., San Francisco, California, U. S. A.

Cable Address, "Magnesia, San Francisco"

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Contractors and Distributors Page

Fireproofing Legislation

The Chicago City Ordinances contain the following regulations:

566. Insulating Material for Metal Chimneys and Metal Stacks.

(a) Fire clay brick or fire clay blocks may be used for insulating lining of metal chimneys and stacks but not of a lesser thickness than two inches. The material shall be increased in thickness or supported on structural steel ledges and the material shall be stressed not to exceed the safe limits of stress elsewhere herein fixed for the material, or metal chimneys and mantel stacks may be lined with blocks or magnesia insulation or with fused asbestos board insulation, or metal stacks or chimneys may be lined with any other insulating material tested and approved by the Commissioner of Buildings.

(b) Magnesia blocks insulation shall contain not less than 45 per cent of magnesia and 50 per cent asbestos fibre formed into blocks not less than 1½ inches in thickness by hydraulic pressure. After said magnesia blocks have been set they and all metal bands and ties exposed with the flue shall be plastered with cement not less than ½ inch in thickness on 1½ inch blocks, and ¼ inch in thickness on 1¾ inch and thicker blocks.

(c) Fused asbestos boards shall be made of alternate flat and corrugated sheets of asbestos board, cemented together and fused under a heat of not less than 1,000 degrees Fahrenheit to a minimum thickness of 1¼ inches. After said fused asbestos boards have been set into the flues, they and all exposed metal bands or ties shall be pointed with cement.

(d) Such magnesia blocks, fused asbestos boards, pointing cement and any other insulating material approved by the Commissioner of Buildings shall resist the disintegrating, dissolving, or diminishing action of moist steam and the acid and gaseous fumes present in the flue at any degree of heat obtainable by the combustion of the fuel used.

Study of these on the part of insulation contractors in the larger cities might be helpful in pointing the way to the procurement of legislation beneficial to the entire community and productive of business for the insulation contractor.

Since the above information is of particular interest to Contractors and Distributors, we have published it on the page devoted to Contractors and Distributors, and hope it may prove helpful.

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The Asbestos Corporation of America

A Company chartered under the above name, and under the laws of Massachusetts, with a capitalization of $1,500,000 has been formed by the following gentlemen:

Pres.—Hon. Eugene E. Reed, Manchester, N. H. (Now Vice President of the American Fuel, Oil & Transportation Co. of New York)

Vice-Pres. and Gen. Mgr.—Charles H. Thompson, Burlington, Vt.

Treasurer—Wallace H. Pratt, (Now Treasurer of the Equitable Trust Company of Boston)

Executive Committee:

Chandler M. Wood, Pres. Metropolitan Trust Co., Boston.

W. H. Blood, Jr., of Stone & Webster, Boston.

John N. Stone, Banker, 30 State St., Boston.

Percy B. Browne, Banker, 30 State St., Boston.

Stanley L. Smith, Director of Big Heart Oil Refining Corp., of New York.

A. J. Norton, V. P. of Commercial Trust Co., New York.

Francis H. Swift, of Swift & McNutt.

The Board of Directors consists of the Executive Committee, and

S. O. Martin, Research Dept., Amer. International Corp., New York.

A. F. Townsend, Pres., Manhattan Rubber Co., Passaic, N. J.

J. A. Harrington, Publisher of the Lowell Sun, Lowell, Mass.

R. R. Livingston, Engineer, 2 Rector St., New York City, together with Mr. Reed and Mr. Thompson.

The Company has acquired control of the Vermont & Quebec Power Company and of the southwesterly slope of Belvidere Mountain, comprising about 600 acres of Asbestos bearing rock. Belvidere Mountain is in Vermont and was formerly the property of the New England and United States Asbestos Corporation.

The statement is made that the work of erecting a mill

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Hobdell, Way & Co.

LIMITED

LONDON, ENGLAND

RHODESIAN
CRUDE
ASBESTOS

CAPE BLUE
CRUDE
ASBESTOS

Address Enquiries to

W. D. CRUMPTON & CO.

Special Representatives

Room 1010 #8-10 Bridge Street

New York City - New York

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building, 106x74 feet, and four stories high, is completed, and the building of an inclined railroad from the mill to the base of the mountain, is 70% complete. The capacity of the mill when completed will be 100 tons of finished Asbestos per day.

R. R. Livingston, graduate engineer of Cornell University, now of New York City, and Dr. Chester Gilbert, Consulting Engineer of Arthur D. Little & Co., Ind., are the engineers in charge. Dr. Gilbert is head of the Mineral technology division of the U. S. National Museum, Washington, D. C., and is looked upon as an authority in connection with the production of Asbestos.

It is estimated that there is in sight an ore body on the slope of the mountain containing 20 million tons, and it is stated that the ore is unique in its character in that it is disseminated Asbestos. This means that all the rock goes through the mill.

There is no doubt as to the character of the men comprising the executive committee, and directorship, and since all the stock has been subscribed for, it is manifestly not a stock promotion project.

It is stated by the Burlington Daily Free Press that the entire output for the next ten years is disposed of.

As further information becomes available, it will be presented in these pages.

Items of Interest Concerning the Southern African Asbestos Field

The ever increasing quantities of African Asbestos entering the United States account for the great interest expressed by miners and manufacturers in the location, production and operation of these African Mines. With this in mind we are constantly trying to secure all the information obtainable on this subject.

One of the factors which plays no small part in the development of the African Asbestos Industry, is the partial elimination of transportation difficulties. Before 1914 very little Asbestos was produced in Rhodesia, but in that year a ralroad was projected to Victoria and thereafter production increased greatly, in fact the production figure

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Need no further attention



When you put Carey Coverings on your pipes and boilers they need no further attention—no operator to keep them up to maximum efficiency. They will last as long as your plant and deliver the same saving year in and year out. They pay for their cost in less than a year and every year thereafter return 100% or more dividends. Where can you find a better investment?

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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for 1915 was just about four times that for 1914.

Up to 1916 Asbestos was obtained from the Victoria district only but thereafter the Bulawayo district became an important producer with minor quantities from Gwelo.

The productive area of the Bulawayo district is about 2½ miles long, with the Shebania mine (operated by Rhodesian & General Asbestos Corp., Ltd.,) at the north-west end, the Nil Desperandum (property of the African Asbestos Mining Co., Ltd.,) at the south end, and the Birthday claims (Willoughby's) between them.

The fibrous serpentine or chrysotile of commercial quality occurs in a zone varying in width from 20 to 200 feet. The best fibre is found near the contact of serpentine with a band of talc schist which lies beneath the serpentine, and dips to the south-west ,thus forming the footwall of the workings. The workable deposits are probably of great depth. Immediately below the talc schist is a band of quartz, which, on account of its resistance to weathering stands out as a bold outcrop that can be traced for many miles. It thus constitutes a valuable index to aid prospectors in tracing the zone of commercial fibre.

The deposits are developed as open-pit quarries. The ore is hand-cobbed, and mills have been built at the quarries for dressing and fiberizing the asbestos. The fibres are flexible, easily separable, and of high tensile strength. They vary in length from ¼ inch to 3 inches, and are separated into three grades according to length, quality and color. The finished product is packed in bags of about 180 pounds each, and conveyed in ox wagons to Selukwe, the nearest railway station, about 60 miles distant.

In the Victoria District are found the Balmain Mine, operated by the African Asbestos Mining Co., Ltd., Gath's,

Paul Hammerich

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

THETFORD MINES - QUEBEC, CANADA

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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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operated by Rhodesian & General Asbestos Corp., Ltd., and King Asbestos Ltd., operated by the same company.

Other Mining Districts in Southern Africa are the Union of South Africa, Transvaal, Cape and Natal.

Half Truth

In connection with the airing which is being given to the operations of the United States Shipping Board, prominent mention is made of alleged unfair advantage being taken by certain manufacturers of Asbestos Packings.

It is charged that the Anchor Packing Company, Philadelphia, was awarded a contract for a year's supply of Packing at a price of $1.60 per pound, whereas other bidders quoted as low as $1.10 per pound.

The quantity covered by the contract amounted in value to more than Three Million Dollars, and it is alleged that the loss of the Government as a result of paying $1.60 a pound would amount to at least $1,400,000 for the year.

We hold no brief for the Anchor Packing Company nor for any other individual concern engaged in the Asbestos business, but in an effort to get the facts, have made some inquiry into the conditions surrounding this particular matter, and find the following:

The contract was awarded in October 1920 and continues for a year. In view of the condition prevailing in the Asbestos and Rubber Industries prior to October 1920 when the bids were made, the price of $1.60 for High Pressure Packing of first-class quality would seem reasonable enough.

Second, there were a number of items on the original requisition, and only a part of them were awarded to the Anchor Packing Company, others going to the United States Rubber Company.

Third, bids from other recognized manufacturers of high pressure packings on the item especially referred to, were equally as high as the price quoted by Anchor Packing Company.

Fourth, it appears that the Anchor Packing Company and the United States Rubber Company were the only bidders who quoted on the entire requisition for all points of

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delivery on the East and West Coast, and in strict accordance with the other terms of the requisition.

Fifth, it is unfortunate, but nevertheless true, that there is quite a large difference in quality of Asbestos Packing, as there is a difference in quality of men's clothing. A large, well-financed, well established manufacturer of Packings could ill afford to have blow-outs occur on ships at sea, and it is forced by the very nature of the circumstances to deliver first-class material.

From testimony given it would appear that the amount involved covered High Pressure Packing only, while in fact the Company was awarded ten items covering Rubber Sheet, Sheet for Oil, Condenser Tube Packing, Flax Packings, Compressed Superheat Sheet, etc.

The United States Shipping Board has, in principle, adopted a wise policy in buying entire requirements for all ports. The decision of each indivdual engineer as to what *he* wants has been the msot serious obstacle the packing manufacturer has had to hurdle.

The Evil of Cancellations

We note, in The Manufacturer, a most interesting and instructive article under the title "Enforcing Textile Contracts." It refers to the woolen, worsted, and cotton textile industries but applies very directly to conditions existing in the Asbestos industry.

The Cancellation evil is stated to have been, for many years, the bane of the Textile industry. Equally so, the cancellation abuse is and has always been, a grave menace to the asbestos business.

While temporary advantage appears to result to the Johnny Weisenheimer who, at the first sign of business recession, starts the orgy of cancellation and finds a little later that he can buy at a lower price, an industry which permits miscellaneous, illogical and unexplained cancellations is never in a sound condition.

The miner and manufacturer of asbestos have too long held the bag in this respect and, if the efforts being put forth by other industries, may be taken as any criterion, the asbestos producers and manufacturers will not continue in this dangerous, unhealthy and unsound position.

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ASBESTOS TEXTILE CO.

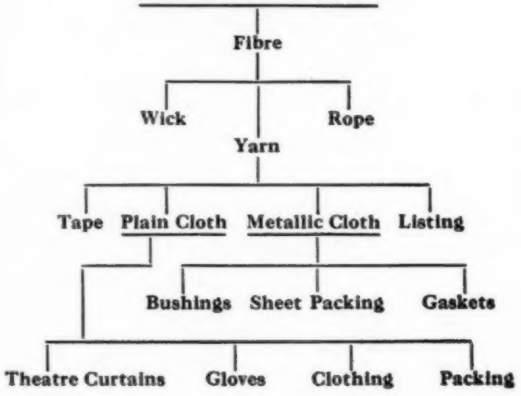
INCORPORATED

MILLS
REYNOLDSVILLE
PENNA.

GENERAL OFFICES
WOOLWORTH BUILDING
NEW YORK

WE MANUFACTURE

ASBESTOS



"Quality and Service"

ASBESTOS TEXTILE CO.

INCORPORATED

MILLS
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PENNA.

GENERAL OFFICES
WOOLWORTH BUILDING
NEW YORK

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At the moment no cancellations of importance are being made in the asbestos line but "in times of peace, etc." is a good motto.

We have seen in past years how very serious results follow the promiscuous cancellation of contracts and are hopeful that steps will be taken all along the line to prevent a recurrence.

A meeting of the general textile industry was held in New York on December 1st, at which an Organization Committee of twenty-one was appointed to prepare machinery for the purpose of conserving the interests of buyer and seller alike. The new organization will probably be known as the National Bureau of Commercial Contracts. A preliminary survey of the general principles upon which this Bureau will be founded gives considerable promise of improvement in future years.

Status of the American Hardwood Lumber Case

Much space has been devoted by the technical and trade press and the newspapers, to the so-called Hardwood Lumber Case.

You will remember that the Government challenged the right of the American Hardwood Lumber Manufacturers Association to collect and disseminate the vital statistics of the Hardwood Lumber Industry, alleging that such practice was in restraint of trade and contrary to the Sherman Anti-trust law.

The U. S. District Court issued a rather sweeping injunction from continuing its Association activities along these lines, and one of the activites enjoined was, specifically, the collecting and disseminating of statistics.

An appeal was taken to the U. S. Supreme Court, and during the course of the review Justices Van Devanter and Brandeis, together with Chief Justice White, asked U. S. Assistant Attorney-General Henry Mitchell, who represented the Government on the argument, some very pertinent and apparently embarrassing questions.

For instance, Justice Van Devanter asked whether the practice of the Citrus Association in collecting data of the prices, crops and markets was a violation of the law. The

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ASBESTOS



Bennett-Martin
Asbestos and
Chrome Mines
LIMITED



Head Office

Thetford Mines, P. Q.
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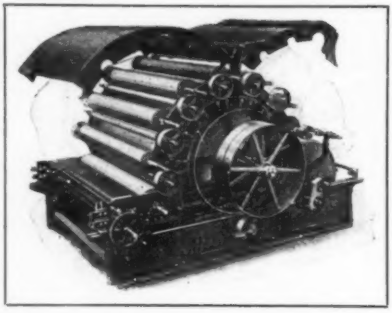
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When you require

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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Assistant Attorney General responded that he preferred to confine his attention to the case actually before the Court, but Mr. Justice Van Devanter countered by saying that Courts were obliged to look ahead and consider what the effect of a desired decision might be upon other industries, as well as upon the industry involved.

Justice Brandeis wanted to know whether counsel thought a man might properly seek membership in the New York Stock Exchange in order to become informed as to what was going on in the world of business and finance. The Assistant Attorney General again desired to confine all considerations to the particular case at hand.

Finally, Chief Justice White asked the Assistant Attorney General if he had ever heard of Shuster's Notes, which review the prices for long leaf pine and which Notes have for a considerable period been the main way of disseminating information concerning the condition of the market, the legality of which has never been disputed. The Chief Justice inquired whether counsel for the Government thought that the publication and circulation of these notes were a violation of the law.

Imports and Exports of Asbestos

While complete records for the month of October have not been received, those which are in hand show imports and exports thru the principal ports and are well worth noting.

Imports of Crude thru the port of New York amount to 333 tons, valued at $114,449, and made up as follows:

England	$7,947	50 tons
British So. Africa	35,078	150 tons
Portuguese Africa	71,424	133 tons

Port of San Francisco reports the receipt of 1 ton of Crude from China, valued at $288.

Imports of Manufactured Asbestos for the month of October were:

From Belgium	$1,244
Germany	379
Switzerland	3,314
England	20,917

or a total of $25,854.

Exports of Manufactured Asbestos greatly exceed the imports, they amounting to $264,246. Of this amount Bel-

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gium received nothing, Germany $100, Switzerland $1,070, and England $17,913. Comparison of these figures with the Imports is interesting.

Besides the figures above given, exports to Italy were $12,923, Australia $13,518, New Zealand $11,878, Phillippine Islands $10,329, Cuba $52,863, and Mexico $45,071, the balance being scattered principally over European and South American countries.

We have just received from the Department of Commerce compilation of imports for the second quarter of 1920, viz: from March 31st to June 30th. These figures are given below. Figures for the first quarter were given in the September issue on page 15.

Asbestos	Tons	Value
Unmanufactured	39,531	$2,466,536
Manufactured		
Yarn		94,458
Woven Fabrics		55,868
All Other		26,398

News of General Interest

Experiments are being made with an artificial coal produced as a by-product from the manufacture of wood pulp.

It is calculated that if this new process is generally adopted it will be possible to produce in Norway alone artficial coal equivalent to 800,000 tons of imported coal.

The American Society of Heating & Ventilating Engineers announces, under date of November 20th, the death of Prof. John R. Allen, Director of the Research Bureau of the Society. Many readers of ASBESTOS were personally acquainted with Prof. Allen, who for many years had been looked upon as the Dean of the American Society of Heating & Ventilating Engineers.

Much of the Research Work conducted and planned by the American Society of Heating & Ventilating Engineers was the result of Prof. Allen's activity and while the work will be continued without interruption, it is evident that the loss of Professor Allen at this time will be felt very keenly.

For the present Dean L. A. Scipio, Professor Allen's assistant, will continue at the Research Bureau of the Society in the capacity of Acting Director.

The India-Rubber Journal is responsible for the statement that the value of the Southwest Long Staple cotton crop last

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"Do you know as long as I have been handling your Asbestos Paper, I have never had a complaint. It is always even in thickness and has just the right flexibility. Haven't you disposed of the stock you had when I first bought five years ago; or why is it?"

"If I didn't know you as well as I do, I would consider that as an insult. Each year my sales on Asbestos Paper have been increasing until, now it is a big part of my business. I learned long ago that in Asbestos as well as all other lines, to be successful, I must build on quality. The jobbing house where I always buy handles only the paper made by the Sall Mountain Company. You know, they call it SAL-MO. The success I have had has been due to handling dependable goods. As long as my jobber carries that SAL-MO PAPER, I will buy from him."

In the shops and warehouses of dealers such remarks as these are occurring frequently. We can help you create this same feeling of loyalty in your dealers.

(Write for prices)

Sall Mountain
COMPANY
Chicago - Scranton

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year was over $20,000,000. For this year the gross returns are estimated at fully $100,000,000.

The Industry is only young and has had to contend with the boll-weevil which for years has ravaged the cotton plantations along the Atlantic seaboard and the Gulf.

We have been favored with a copy of the Year Book of the American Chamber of Commerce in London for 1920.

It contains a very select listing of British and American firms especially interested in developing international trade.

Anyone interested may consult the book at this office.

News of the Industry

A six thousand ton cargo of Asbestos, much of which was high grade Crudes and Fibre, recently arrived in Philadelphia direct from Canada, consigned to the Keasbey & Mattison Company. The material was all produced in the Bell Asbestos Mines, which are owned by the Keasbey & Mattison Company. The freight on this cargo amounted, in round figures, to $100,000, which, you will agree, is some freight bill.

We understand that, owing to the exceedingly uncertain conditions relating to Asbestos Mining in Canada, particularly as to the year 1921, the Keasbey & Mattison Company is carrying a year's supply of the valuable mineral at its Ambler warehouse.

Market letters issued by the Asbestos & Mineral Corporation, dated November 26th, are still bullish in tone, prediction being that higher prices will rule for both Crude and Fibre during 1921.

The Federal Asbestos Company of Milwaukee, Wis., is issuing very attractive calendars.

A well-known engineer says "I have just received a copy of November ASBESTOS which I have read with interest. I consider that your little publication contains more condensed information for its size than any other technical journal I receive."

Current news reports, particularly from New York, illustrate and describe at considerable length the wonderful building accomplishment recently made in connection with the erection of the mammoth Gotham Bank Building.

A complete twenty-four story fireproof building has been erected, the bank acting as its own general contractor and supervisor. The building will be ready for occupancy on February 1st, 1921, and it is interesting to note listed among its tenants the following well-known Asbestos concerns: The Asbesos & Rubber Works of America, The Asbestos & Mineral Corporation, E. H. Garcin. The building is located on Columbus Circle.

The erection of the new plant of the West Coast Asbestos Com-

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TO YOU

YOU are more comfortable and hence, happier, because of 85% Magnesia Pipe and Boiler Covering.

Why?

Think it over: The bread you eat; the clothes you wear; the electricity which is your slave; the trains you ride in; the ships of the seven seas; all are more economically and more efficiently produced and operated because of the enormous amount of coal saved through the use of 85% Magnesia.

You would quickly realize the difference to you if, by some freak of Nature, it should become impossible to produce 85% Magnesia.

And then, have you stopped to consider how much more dearly *you* would have to pay for coal if the huge amounts of coal which have been saved and are being saved, *daily*, by 85% Magnesia, should be wasted?

You are, very directly, a beneficiary of 85% Magnesia.

Are you doing your part in spreading the gospel of coal saving?

The facts and figures are at your command.

Address,

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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pany at Downey, Calif., is progressing rapidly. The first unit of the factory, to cost about $250,000 will be 100 by 400 feet. Additional units are planned, the whole to cost at least $400,000. Three carloads of machinery are already on the ground. Workmen's houses are also under construction. The new plant will be opened with about 100 employes, but it is expected that when all the units are in operation, from 500 to 600 people will be on the company's payroll.

Any reader of ASBESTOS desiring the Asbestos & Mineral Corporation's 1921 calendar is requested to send in their name promptly, it being the wish of the A. & M. Corporation that every reader of this magazine receive the calendar.

CARRYING COAL TO NEWCASTLE

In the November issue we announced the installation of a new automobile brake lining plant at East Broughton, Canada, immediately adjacent to producing Asbestos Mines.

It is authoritatively reported that the first shipment of Asbestos to this new plant is African Blue.

In view of Canada's monopoly in Asbestos, it is a particularly interesting report, especially when it is considered that Canada levies an import duty of 20% on Asbestos.

The whole story would doubtless be very interesting if available.

California Papers announce, under date of November 17th, that the American Insulex Corporation of Berkeley, California, has started production of heat insulating material and fireproof paint. They plan to erect the first unit of their manufacturing plant in Berkeley, Calif., and negotiations are now under way for oher plants in Chicago, Detroit and Denver.

The Company makes heat insulating material for covering steam pipes, known as Insulex, and is also engaged in making Asbestos Fireproof sprays.

The President of the Company is C. C. Newkirk, former manager of Peet Brothers Company, Soap Manufacturers of Berkeley, Calif. He is reported to be very aggressive and able in business.

Local news reports indicate the purchase by the H. W. Johns-Manville Company of two or more properties in the vicinity of Plymouth Meeting and upon inquiry we learn that these properties will be developed as dolomite quarries. Dolomite is the partcular form of limestone from which Magnesia is produced.

The Asbestos & Mineral Corporation has additional room in its museum for specimens of Asbestos, and will appreciate receiving specimens from any of our readers, due credit to be given the sender.

The strike of the Asbestos Corporation's employees has ended, work being resumed on November 11th.

The strike started on October 11th, the first request being

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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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the recognition of the National Catholic Union and an increase of 12½%. This request was refused by the Manager of the Asbestos Corporation.

The second request made was for the 12½% increase only, the men withdrawing the request for recognition of the Union. This was also refused and the men then asked if the Company would agree to a board of conciliation. The Company agreed to submit the matter to a board of conciliation, but while the board was getting under way the men struck

Three days later a representative from the minister of labor arrived and interviewed both parties. The Company was still willing to submit the matter to a board of arbitration but insisted that the men go back to work in the meantime and be bound by the decision of the Board. This the men refused to do.

Finally, on November 11th, they petitioned the Company to resume work, agreeing to go back at the wages and conditions obtaining before the strike. The company agreed and work was resumed on that day.

The American Magnesia & Covering Company has recently purchased several acres of ground near its plant at Plymouth Meeting, for the erection of houses for their employees.

G. J. Bortle, formerly an employee of the American Insulation Company of Philadelphia, has established the Standard Asbestos Company at 21 S. 7th St., Philadelphia.

The Standard Asbestos Company makes a specialty of small heat insulation jobs, such as the installation of pipe covering to a small house heating plant. Since many large contractors dislike to handle small installations of this sort, the idea seems to be a good one, and no doubt house owners who are having trouble in finding a contractor who will cover their pipes, will be much benefited. In fact the Standard Asbestos Company report a great deal of work in sight even tho the Company has been in business but a few weeks.

Catalog being prepared by the Asbestos & Mineral Corporation will be ready for distribution in January, and will be gladly sent upon request to anyone interested.

The Asbestos Textile Company of Massachusetts is offering its issue of $250,000 of 8 per cent cumulative preferred stock, thru Otis & Company. The Asbestos Textile Company has modern and complete mills at North Brookfield, Mass., where it is a large manufacturer of asbestos yarn, rope, tape, theatre curtains, packing, etc. The company also makes asbestos brake linings for automobiles. The business of the company is running at about the rate of $1,500,000 per annum and profits from these sales are now running at nearly eight times the dividend requirement of the first preferred. The balance sheet of April 30 indicated net tangible assets of about $300 per share for the first preferred, while the net quick assets were equivalent to $120 a share on this class of stock.—*U. S. Investor.*

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ELWOOD J. WILSON

Mining Engineer

76 CORTLANDT STREET
New York City

Asbestos Crude and Fibre for Sale

5 tons No. 1 Shabanie Carded at $1.00 per lb.
5 tons No. 2 Shabanie Carded at .60 per lb.
5 tons White Rhodesian Carded at .55 per lb.
5 tons No. 1 Thetford Crude—$2100.00 per ton
5 tons No. 2 Thetford Crude—$1575.00 per ton
ex warehouse New York.

CHRYSOTILE ASBESTOS ONLY

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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The condition of Mrs. R. V. Mattison, wife of Dr. R. V. Mattison, still remains critical. There has been little or no improvement since our last report, with the exception that her right arm, which was broken is mending, and the splints were removed from it a week or so ago.

The Magnesia Association of America announces its engagement of A. D. Neeld, Jr., graduate Civil Engineer of the Universty of Pittsburgh, and experienced in sales engineering.

H. M. Orschel Company of Omaha, Nebr., has recently been succeeded by The Orsco Building Materials Company, the change of name being made principally in order to have one which is more indicative of the line of business handled. The latter Company has named as its Officers and Directors the following: H. M. Orschel, President and General Manager; Joe C. Huntoon, Vice President and Sales Manager; Ben F. Lewis, Secretary and Construction Manager; Herman Orschel, Treasurer; and Fred H. Orschel, Vice President and Territorial Representative.

The Orsco Building Materials Co. contemplates extending its scope of activities by adding to its sales and office forces in order to cover a larger territory; by building a plant and warehouse at Omaha, in addition to its present factory and warehouse at Des Moines, and by adding other building material staples and specialties to its present lines.

The Company will continue to exclusively represent and distribute certain products of the H. F. Watson Co., Keasbey & Mattison Co., Asbestos Shingle, Slate & Sheathing Co., Ehret Mag. Mfg. Co., Wickwire Spencer Steel Corporation, Union Fibre Co., Johns-Pratt, Usona Mfg. Co., and Flexotile Floor Co.

An explosion and fire, resulting in damage to the extent of $100,000 occurred at the plant of the United States Asbestos Company, Manheim, Pa., Saturday morning, December 4th.

The explosion occurred in the drying oven room, and was caused by a small fire (the cause of which is unkonwn) igniting the gas in a large oven just installed. It wrecked the building in which it occurred, and falling bricks and mortar injured five workmen, two of them seriously. Several company officials including C. L. Hill, Vice President, who were in the room at the time narrowly escaped injury.

W. J. Commins and W. A. Moffatt, have recently established the firm of Commins-Moffatt, Limited, located at Toronto, Canada, for the handling of Roofing, Flooring, and insulation materials, of Asbestos and other composition.

Mr. Commins was formerly Manager of the Building Materials and Roofing Departments of the Canadian Johns-Manville Company, and Mr. Moffatt was General Superintendent of Construction for the same company.

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ASBESTOS

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

H. F. WATSON CO.

Main Office and Factories

79 MILK ST. BOSTON — **Erie, Pa.** — 319 N. WELLS ST. CHICAGO

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EHRET MAGNESIA MFG. COMPANY

VALLEY FORGE, PA.

December 1, 1920.

Editor of ASBESTOS,
721 Bulletin Bldg.,
Philadelphia, Penna.

Dear Mr. Editor:

Perhaps you will recall that in my last letter I referred to "Veterans" and since writing have "reflected," and find myself wondering whether you have also.

A prominent engineer told me recently that in his practice he steered clear of experimental work, that he let the younger men in his profession do the experimenting at THEIR clients costs, and that the number of failures he had side stepped and the amount of money he had saved his clients, was surprising when checked up.

There are several manufacturers of 85 per cent Magnesia Pipe and Boiler Covering who have spent their lives in the work, standardizing their methods and their products; THEY are the Veterans.

Of course, there are youngsters, and properly so, now engaging in this business of making Magnesia Pipe Covering, who will IN TIME (if they give their work the same conscientious intelligent effort as have the Veteran Manufacturers of today) become "Veterans" and entitled to wear the blue ribbon of merit and medals of honor that the Veteran Manufacturers of standard 85 per cent Magnesia wear with pride today.

When THAT TIME COMES, the steam users of THEIR DAY will be warranted in placing orders with these present day youngsters, for they then SHOULD BE wearing "Veterans" spurs.

I guess there are a good many engineers, both consulting and operating, who let the younger men of their profession try out "the experiments" for their clients, whether it is a new engine, a new filter press, or a new 85 per cent Magnesia.

Yours respectfully,
EHRET MAGNESIA MFG. CO.,
W. A. MACAN, *Vice President.*

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TO OUR READERS

When Christmas comes to chase away
The gloom of melancholy,
And everywhere the world is gay
With mistletoe and holly,
And when we contemplate the things
With which kind fate has blessed us,
Our thoughts go out on silver wings
To those who read ASBESTOS.

The sturdy mining men who break
The rock with resolution,
The brokers next who undertake
The fibres' distribution,
The manufacturers whose skill
Makes paper, yarn and shingle—
We think of you and feel a thrill
That makes our heart-strings tingle.

The jobbers, too, who spread abroad
The goods throughout the nation,
The salesmen who must kiss the rod
In days of price inflation,
The users of the products made,
The readers of our journal—
To these staunch bulwarks of the trade,
Remembrances fraternal!

Far-scattered friends, so firm and true,
This loyal group completing,
We send to each and all of you
The season's warmest greeting.
Although the old year may have been
A trying, thorny, blue year,
May Christmas gladness usher in
A bright and happy New Year!

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