ASBESTOS

Vol. 3 DECEMBER, 1921 No. 6

Merry Christmas
and
A Bright and Prosperous
New Year

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Norristown -:- -:- Pennsylvania

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ACL Doc 12074 · Page 3 of 69 asbestosclaims.law/library/12074/3

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... ASBESTOS ...

A MONTHLY MARKET JOURNAL

DEVOTED TO THE INTERESTS OF THE
ASBESTOS AND MAGNESIA INDUSTRIES

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CONTENTS

	Page
Asbestos Mattress Covering	5
Market Conditions	13
Asbestos Aids in Extinguishing Gas Fire	20
Dr. Weidlein's Address Before the Chemical Society	22
Arizona Notes	26
Contractors and Distributors Page	30
Editorials	35
Comments on Various Markets	47
South African Asbestos Mines Limited	48
Imports and Exports of Asbestos	51
News of General Interest	55
News of the Industry	57

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ACL Doc 12074 · Page 5 of 69 asbestosclaims.law/library/12074/5

The very interesting exhibits displayed by the General Asbestos & Rubber Company of Charleston, S. C., at various expositions are attracting much attention. The picture to the left shows one view of their booth at the Textile Products Show held recently in Greenville, S. C. the same exhibit being used by the General Asbestos & Rubber Co. later at the Automotive Jobbers Association Show in Chicago.

An educational feature of the exhibit demonstrated the application of Brake Lining to an automobile brake. It was accomplished by partially cutting away the drum so as to easily observe the action of the internal brake as well as the outer one. An attendant in charge also explained the operation to visitors.

Another outstanding feature of the exhibit which is not shown in the picture was "The Story of Brake Lining" illustrated by a panel on which were displayed samples first of the crude asbestos, next carded fibre, then roving, the mule yarn, wire inserted yarn, the untreated tape and, finally, the finished brake lining, all of the materials being fastened together to form a continuous story.

Altogether the exhibit gave visitors a very comprehensive idea of the Asbestos Textile business.

Asbestos Magazine, 1921, December 1921
ACL Doc 12074 · Page 6 of 69
Published by AsbestosClaims.Law
asbestosclaims.law/library/12074/6

Asbestos Mattress Covering

By R. L. R. Wild

Of the Waite-Wild Asbestos Company

Asbestos Mattress Covering for boilers, cylinders, turbines, tanks, etc., is a handy and flexible as well as an indestructible form of heat non-conductor, and as such has for the last twenty years enjoyed increasing patronage all over the globe, the only exception being the United States, where its adoption has been delayed until more recently.

The slowness of the United States in adopting Asbestos Mattress Covering is probably accounted for by the fact that 85% Magnesia Blocks, the principal covering used in the United States, can justly lay claim to great popularity owing to their high efficiency and low first cost. Furthermore, it always requires time to demonstrate to the average power user that these two features alone do not always necessarily presuppose the most economical covering for every case.

Vastly increased steam pressures and temperatures, a more complex labor system, necessitate looking farther ahead, and require deeper consideration of such items as longevity of materials under severest conditions, repairs and replacements occasioned by frequent handling of the covering on account of the recurrent inspections of steam generators, etc., (now required by the law) with due regard to the increase in the hazards, and, consequently, increased handling costs.

Most labor today is not inclined to take even ordinary care of materials entrusted to it, and it is for this reason that the durable nature of Asbestos Mattress Covering is so gladly welcomed.

To give you an idea of the construction of Asbestos Mattresses we will describe in detail the brand known as "Featherweight." These are made of two layers of chemically pure asbestos cloth (meaning the elimination of all cotton carriers) and between these layers light, long and well prepared asbestos fibre is filled in, sewn around with asbestos sewing twine and stitched at close intervals to prevent the fibre from shifting.

The Asbestos Cloth from which these mattresses are made contains no wire nor cotton carrier, this because

Asbestos Magazine, 1921, December 1921 Published by AsbestosClaims.Law
ACL Doc 12074 · Page 7 of 69 asbestosclaims.law/library/12074/7

wire quickly corrodes under the conditions which the covering has to meet, and cotton carbonizes, the cloth then falling to pieces. Mattresses have been made using both wire and cotton, but the result has never failed to be disappointing both to the manufacturer and to the user, at the same time causing waste of money.

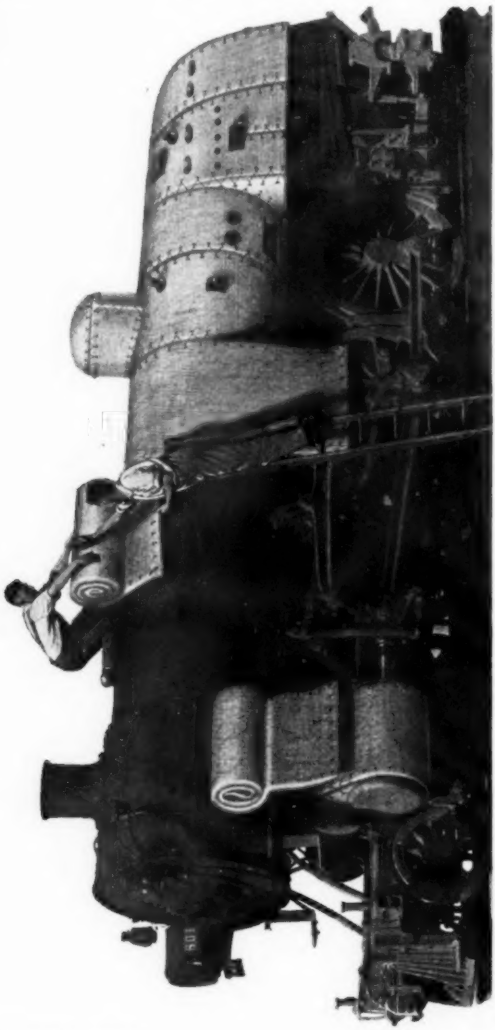
The filling and makeup are such that the mattresses are of uniform thickness. The thickness of each mattress is regulated to suit the conditions of the job while the sizes of the sections are likewise dependent upon the nature of the work. A set of mattress covering should be made to a fully dimensioned sketch, paper template or blue print of the object to be covered so that all fittings or projections can be allowed for, holes cut out for them, and naturally, finished off with Asbestos sewing twine in the factory prior to shipping to the job.

There is no limitation to the size of a mattress section; it can be from a foot square to six feet by thirty feet, or larger. The best way to determine the size of the sections is to subdivide the surface of the vessel to be lagged into as few sections as possible, bearing in mind that for easy handling the sections should not be too unwieldy. The Mattresses are provided with hooks and flexible copper wire to lace them together, and in that way the matts will butt closely and can be drawn tightly together to prevent any sagging or shifting under vibration.

Imagine the complex covering of a locomotive boiler, firebox, dome and cylinders, of an approximate coverable area of six hundred square feet, where, instead of having to deal with 400 block sections, only ten to fifteen Mattress Sections will do the job and do it better. Two men can complete the covering of such an engine in less than two hours without getting rushed to death, and it is almost impossible to make anything but a perfect job. At $1.00 per hour per man, it would cost $4.00 to cover an engine of this large size. Engineers will realize what that means —no hanging around of job killers; besides, there will be no mess, dust, broken lagging or waste, with a clean engine or boiler at the end, and finally, when the lagging is applied it can be climbed over without fear of injuring it.

The essentials in Mattress covering are:

Asbestos Magazine, 1921, December 1921 Published by AsbestosClaims.Law
ACL Doc 12074 · Page 8 of 69 asbestosclaims.law/library/12074/8



Showing the Ease With Which Asbestos Mattresses Are Applied to the Complicated Surface of a Locomotive. The Work Can Be Performed in a Few Hours, Thus Cutting Down Labor Costs

Asbestos Magazine, 1921, December 1921
ACL Doc 12074 · Page 9 of 69
Published by AsbestosClaims.Law
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a. Great strength and purity of cloth covering employed.
b. Length and lightness of fibre filling.



Blue Asbestos Mattress Covering Applied to a Marine Type Boiler

c. Careful and correct makeup to suit the individual job.

Lightness in weight will indicate high efficiency and will aid in the maintenance of such efficieney.

South African Blue Asbestos, often much maligned and misrepresented by those not thoroly familiar with its use, has proven (if rightly processed) the ideal material for the making of Asbestos Mattress Covering. The great natural strength of the Blue Asbestos, which strength will not diminish under high temperatures, and the specific volume of its well treated fibres amply qualify it, and Mattresses can be made up from this material with a guarantee for all steam pressures and degrees of superheat now in use.

Asbestos Magazine, 1921, December 1921 Published by AsbestosClaims.Law
ACL Doc 12074 · Page 10 of 69 asbestosclaims.law/library/12074/10

Waite - Wild Asbestos Company

Framingham, Massachusetts

Spinners and Weavers of

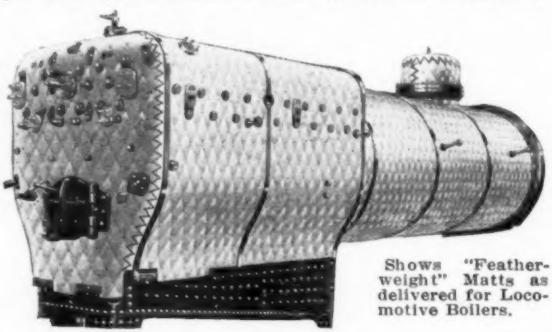
... BLUE or WHITE ...

Asbestos Fibres, Yarns, Cloth, Tapes, Etc.

Specialty: "Featherweight"

BLUE or WHITE Asbestos Mattress Insulation

for Tanks, Boilers, Economisers, Cylinder Tops, etc.



Shows "Featherweight" Matts as delivered for Locomotive Boilers.

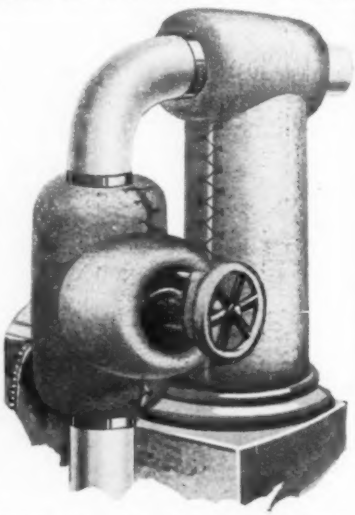
The handiest form of non-conducting covering. Easily applied, since it is delivered like a tailored suit—allows of easy access to all parts covered without destruction of covering. Highest degree of efficiency and everlasting in roughest service.

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ACL Doc 12074 · Page 11 of 69 asbestosclaims.law/library/12074/11

Asbestos Mattress Covering has been applied to locomotives, marine boilers, etc., all over the world; it is especially useful and has been extensively used on boilers, turbines and heaters on war vessels where the severest service is expected and undergone. There are many cases where this form of lagging has been in constant use for fifteen years, having been frequently removed and replaced for the regular annual inspections, without needing repairs. There is no other form of covering that can make this claim.

Often on board ship, the lagging is taken off and thrown indiscriminately into a corner, trampled on, used for the siesta of workers after meal times, etc., but when again wanted for use on the boiler it can be shaken up and is in as good condition as when first applied.

Since Blue Asbestos is acid resisting, the Blue Asbestos Mattresses are particularly recommended for steam carrying vessels or generators in contact with acids, or exposed to acid fumes.



Illustrating Asbestos Mattress Valve and Flange Covers. Really Removable.

Asbestos Mattresses make an ideal covering for flanges, valves and other steam fittings, as they are easily applied, readily removed, not affected by wetting if leakage occurs, and after being heat dried can be shaken up to their full volume and are as good as ever. Covers made for this work are specially shaped on templates and therefore can be made to fit perfectly, presenting a pleasing appearance and giving maximum insulation.

All photos used with this article supplied by courtesy of the Waite-Wild Asbestos Company.

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ACL Doc 12074 · Page 12 of 69 asbestosclaims.law/library/12074/12

ALLBESTOS CORPORATION

Belfield Ave. & Fisher's Lane
PHILADELPHIA

Manufacturers of

High Grade Asbestos Textiles

Yarns, Brake Linings
Tapes and Cloths

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CANADA

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American, Canadian, African Asbestos--Crude, Fibre

Regal Crude #1 and Regal Crude #2

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AMSTERDAM

HOLLAND.

IMPORT

EXPORT

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MARKET CONDITIONS

Raw Asbestos

Observing price tendencies in the raw asbestos market is not the most nerve quieting occupation in the world, especially for the regular buyers of the mineral.

During the war period of more or less artificial scarcity some buyers bid so high to the miners that prices soared to undreamed of levels. We say "artificial scarcity" because if governmental and railroad embargoes had not interfered with the natural production and transportation of material the "scarcity" idea would have gained scant headway.

The Asbestos industry was among the last to feel the approach of readjustment times, and, logically and inevitably, will be among the last to experience full demand prosperity.

In the meantime, all boom time quotations have disappeared and the producers are out combing the country for buyers, offering prices which, when contrasted with those prevailing a year ago, look attractive.

Considerable talk is abroad to the effect that raw asbestos must be still further reduced; that such reductions are close at hand and that no real buying will occur until prices are cut to the quick.

With these views we do not agree nor do we think there is any possibility of further drastic cuts except in the minds of some buyers who would like to see them.

Comparing prewar prices with today's offerings, grade by grade, we find all short stuffs selling at about 100% higher levels now. Spinning stocks and crudes are still several times prewar prices, but a study of proportions of of grades mined, together with wage conditions at the mines, will not reveal much to encourage the wisher for lower prices.

Production has been almost entirely suspended for months; stocks are not so large as to be embarrassing; producers are practically all well financed and there seems to be no desire on the part of any producer to return to the prewar system of operating at a loss.

While there may be some scattered sales at liquidation prices, we firmly believe that anyone expecting to

Asbestos Magazine, 1921, December 1921 Published by AsbestosClaims.Law
ACL Doc 12074 · Page 15 of 69 asbestosclaims.law/library/12074/15

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.

Asbestos Magazine, 1921, December 1921
ACL Doc 12074 · Page 16 of 69
Published by AsbestosClaims.Law
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buy Asbestos at or near prewar prices will have a mighty long wait.

Just as we go to press, news reports from Thetford Mines are most disquieting. On Tuesday evening, November 29, three to four hundred miners compelled Mr. J. D. Sharpe, Manager of the Asbestos Corporation of Canada, to leave his home and attend a meeting of dissatisfied workmen in the Town Hall. The Asbestos Corporation of Canada had decided to close the Beaver Mines on November 30, while the King Mine was still to operate.

The men kept Mr. Sharpe at their meeting for three hours, notwithstanding the fact that he was quite ill and maintained that he was only the manager of the property and could not continue operating contrary to his instructions. After much controversy, Mr. Sharpe was released with the understanding that the following morning, November 30, the other mine managers would meet the men.

In the basement of Brothers' College fully 1500 people listened to the discussion, all the local mines being represented by owners or managers, the meeting being presided over by Mr. L. Lapierre, M. L. A., for Megantic county, and the Mayor of Thetford Mines, Mr. L. Rousseau, acting as intermediary.

Mr. Andrew Johnson explained that many of the markets, particularly foreign markets which have heretofore been supplied by Thetford Mines have been lost to Rhodesian and South African Asbestos Producers, because the cheap negro and kaffir labor employed in South Africa and Rhodesia makes competition by Canadian producers impossible. Germany, Austria, Japan and other countries securing raw Asbestos from Rhodesia and South Africa are able to manufacture goods much more cheaply than they can be made in the United States, and this condition is largely responsible for the inability of Canadian Mine Operators to run the mines.

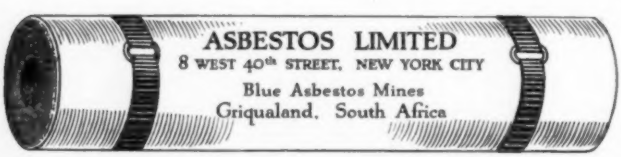
It was finally decided to have the men appoint a number of delegates to meet the mine managers and discuss the situation around the table. The workmen of each mine selected representatives and this overall committee of men drew up a table of demands to be submitted to the managers. Briefly, the demands are: That the mines resume operation six days a week, with normal number of men

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ACL Doc 12074 · Page 17 of 69 asbestosclaims.law/library/12074/17

BEST 85% MAGNESIA

is made with

BLUE ASBESTOS



Associated With
The Cape Asbestos Co., Ltd.
LONDON, ENGLAND

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ACL Doc 12074 · Page 18 of 69
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and at present wages; that contract work be stopped both underground and on the surface and that the work be distributed evenly; that managers notify the delegates as to when they may expect the answer; that any detectives employed by mine operators be sent out of town immediately, the Workers' Committee undertaking to preserve order thruout the district, and that when work is resumed no discrimination shall be shown towards the men involved in the proceedings.

The King and Beaver Mines, both owned by the Asbestos Corporation of Canada, have been working steadily, whereas Bennett-Martin, Johnson and the Consolidated Asbestos properties are all closed down, the Bell property working but part time. It is stated that Mr. Sharpe offered to operate the Beaver Mine four days a week but the men asked for six days with day and night shifts.

On Friday, November 25th, the workers at East Broughton took the law into their own hands and ordered Mr. George B. Angus, Manager of the Boston Mine and Mr. Osbaldiston, electrician, both to leave town. The workers did not like the attitude of Mr. Angus towards them. The men were conducted to the railway station and told to leave.

From all the foregoing it would appear that the Mine Operators are in for a troublous time, there being comparatively narrow markets for their product and a perfectly natural objection on the part of the men to closing down the properties.

We understand the Mine Operators have appealed to the Provincial Government for protection of life and property.



Asbestos Textiles

Repetition may be irksome, but the truth must prevail at any cost. These pages have heretofore, on many occasions, stated that textile mills have not at any time taken the advantage offered them in the way of heavy demand and short supply.

Generally speaking, and, of course, there were exceptions, advancing prices for raw Asbestos were NOT passed on in their entirety by textile manufacturers. And yet, long before present stocks of high cost material are

Asbestos Magazine, 1921, December 1921 Published by AsbestosClaims.Law
ACL Doc 12074 · Page 19 of 69 **asbestosclaims.law/library/12074/19**

used up and before advantage can be taken of lower quotations offered by miners, it is notable that some current quotations on textile products are actually below cost of production.

Some of these prices are due to forced liquidation; some of them are being made in a perfectly useless effort to stimulate buying and still other of the quotations reported have never been made.

This is a buyer's market, out and out, and under the laws governing business, it is permissible, even commendable, for unscrupulous buyers to bamboozle sellers in any possible way. One of the admired methods is that employed by many buyers who go to any pains to prove that they have a lower price from so and so, when, as a matter of fact, the quotation you have just named is 10% better than any other he has received or can get.

The larger, well-financed textile manufacturers are refusing to accept business at prices which mean such heavy loss, especially since the makers of very low prices are apparently gambling that they can buy raw Asbestos at prices which will let them out. Asbestos textile prices are at bottom right now, unless raw material becomes cheaper.

Asbestos Paper

Manufacturers have passed along to their customers all of the savings effected by reduced prices on raw Asbestos.

One or two new factors have entered into the market situation, notably the offering of Asbestos paper as such, by a manufacturer who, heretofore, for many years has fabricated his paper into coverings, roofings and the like.

With a market somewhat oversupplied, naturally a new and rather large supply had the usual result and prices fell quite rapidly. This recession in price of paper and an over production of paper stock in Canada brought out lower prices for raw stuff and now both miners and manufacturers are probably "trading dollars," new ones for old.

The seasonable winter demand has been quite brisk and with a fair amount of new building in sight for early spring, the market should improve both as to production and price.

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ACL Doc 12074 · Page 20 of 69 asbestosclaims.law/library/12074/20

MIKESELL BROTHERS COMPANY

Asbestos Manufacturers

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Asbestos Yarn
Asbestos Tapes
Asbestos Cloths
Asbestos Millboard
Asbestos Gaskets
Asbestos Packings
Asbestos Wick Packing
Asbestos Rope Packing
Folded and Stitched Brake Linings
Clutch Disc Facings
Pipe Coverings
Cements

Executive Offices, 156 North LaSalle Street
CHICAGO, U. S. A.
Plant and Works at Wabash, Indiana

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ACL Doc 12074 · Page 21 of 69 asbestosclaims.law/library/12074/21

Magnesia

Back in 1907 and 1908 a merry war was started among Magnesia manufacturers. It still wages, fitfully (as all wars do) but just as wastefully as any war in consequences to the participants.

With a greatly curtailed shipbuilding program, and with industrial depression quite general, no sane person would expect normal demand for anything, especially for pipe and boiler coverings.

The perversity of human nature is a curious thing. Notwithstanding that, in many cases, bare pipes will lose in a few months heat to a cost value amount sufficient to pay the entire installed cost of insulation, we see on every side, millions of feet of bare pipes and boilers.

In these days of readjustment and retrenchment, false economy stalks abroad and adds to the other causes for light demand for insulating materials.

But, in face of these obstacles, some sales organizations are doing a remarkably good business in 85% Magnesia. They go out after it and are bringing home the bacon.

Asbestos Aids in Extinguishing Gas Fire

In a recent issue of the Chicago Herald & Examiner, kindly supplied by one of our subscribers, we note an account of a fire which occurred at Gas well Martin No. 1 of the Royal Dutch Shell Company, Signal Hill, near Long Beach, California. This well has an estimated daily flow of 100,000,000 cubic feet; the fire occurred on November 17.

In order to extinguish the fire a chair wrapped in Asbestos fabric was swung from a line between derricks on either side of the well and then pulled into the edge of the flames. Men, dressed in Asbestos clothing, carried dynamite (the dynamite being wrapped in Asbestos paper) to the chair and packed it there. Then the chair was swung into the flames directly over the mouth of the well, and when about eight feet above it the charge was detonated electrically, and the fire blown out.

The fire is believed to have been caused by friction of the gas on the well casing.

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ACL Doc 12074 · Page 22 of 69 asbestosclaims.law/library/12074/22

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.

Asbestos Magazine, 1921, December 1921
ACL Doc 12074 · Page 23 of 69
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Dr. Weidlein's Address Before the Chemical Society

On Thursday evening, November 17th, it was our privilege to attend the Philadelphia Section, American Chemical Society's monthly meeting.

Dr. E. R. Weidlein, Director, Mellon Institute of Industrial Research, was the speaker of the evening, and chose for his topic, "85% Magnesia Research as Conducted by the Mellon Institute."

After outlining briefly the routine and scope of the work in general undertaken by the Mellon Institute, the specific research into the efficiencies of 85% Magnesia was explained in considerable detail.

The talk was well illustrated by lantern slides and from the attention given to the speaker during his address, and from the character of the inquiries made at the conclusion thereof, no doubt existed as to the deep interest in the subject had by all auditors.

One of the most impressive statements made by Dr. Weidlein was that which is recognized by practically all handlers of insulation material, and was to the effect that Asbestos as such is a very poor non-conductor of heat, even tho it is a splendid fire retardant and electrical non-conductor.

A brief summary of the address giving the high spots is given in the following:

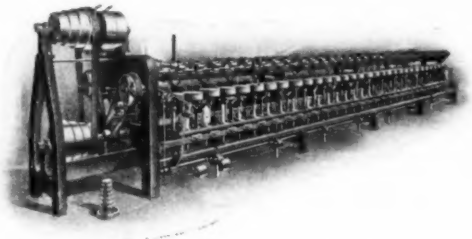
"The matter of insulating against heat losses has received general attention in service power plants, large factory power plants and office buildings, but unfortunately, since it invariably receives final consideration in the construction of power and heating systems, it sometimes is regarded as a luxury added only for the sake of appearance or neglected to save investment costs. The present tendency is to practice economy and everyone realizes the importance of conserving the natural fuel supply; and yet the few finishing touches, in the way of applying a good non-heat conducting cover to protect such losses, are overlooked. Heat insulation in all its varied aspects has a great future, since it is of recognized value in reducing working expenses, and specifically it is of very material aid in effecting fuel economy. It is recognized generally

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ACL Doc 12074 · Page 24 of 69 asbestosclaims.law/library/12074/24

Asbestos Machinery

First Class Manufacture

Carding Engines of All Types
Crushing Mills, Openers, Waste Cleaners, Feeders, Strewing Engines, Ring and Flyer Spinning Frames, etc.



Double Thread Ring Spinning Frame

For particulars apply to:

ERNST GESSNER, Act.-Ges.

Textilmaschinenfabrik

Aue, Saxony.

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ACL Doc 12074 · Page 25 of 69 asbestosclaims.law/library/12074/25

HIGH GRADE ASBESTOS TEXTILES

Carded Fibres
Yarns, Cord, Mantle Yarns
Plain and Metallic Cloths
Braided and Woven Tapes
Braided Tubings
Woven Sheet Packings
Woven Brake Linings
Gloves, Mittens, Leggins
Gaskets, Seamless and Jointed
Packings, Steam and High Pressure
Wick and Rope

Asbestos Fibre Spinning Company

North Wales, Penna.

Asbestos Magazine, 1921, December 1921
ACL Doc 12074 · Page 26 of 69
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that the losses from bare pipes and boilers are considerable, but the real magnitude of these losses is little appreciated. The fact that the loss from 1000 square feet of exposed surface at 100 pounds per square inch in steam pressure represents over 300 tons of coal annually is a sufficient justification for the serious consideration of the subject.

The Mellon Institute, thru its Industrial Fellowship system, has made a systematic investigation for the past five years on the characteristics of 85% Magnesia as a non-heat conducting covering for power and heating systems. In order that the results of the laboratory test might be checked on a larger scale, several practical tests were made. In one instance, there were two boilers in the plant, of 80 and 60 H. P. locomotive type. The total exposed surface on these boilers amounted to 675 sq. ft. The calculated saving based on the laboratory experiments was 1500 lbs. of coal per day, while the actual test produced a saving of 1700 lbs. per day. This saving amounted to 15% of the coal burned due to covering the boiler alone, as the pipe lines were not included in the test. A careful study of the technical and theoretical sides of any problem is essential in order to determine the economic value of the process or product and so with 85% Magnesia covering the result desired is the maximum net saving of money for any given condition. If the covering cost were nothing, the proper thickness would be limited only by the requirements of space available, for each increased thickness would result in some slight increased saving in heat. In a practical case where the covering has a definite cost, a point is reached where the increased cost of the covering will be greater than the additional saving in heat effected. It is this point in which the user of coverings is most interested, for it defines the maximum net saving to be accomplished.

The use of the proper thickness of covering will result in a saving which will repay the original cost of the installation in less than a year in practically every case, and under constant operation at high temperatures where great thicknesses are called for the saving will often pay for the installation in as short a time as two months.

A set of curves and coal savings tables has been prepared, covering various sizes of pipes, temperature differ-

Asbestos Magazine, 1921, December 1921 Published by AsbestosClaims.Law
ACL Doc 12074 · Page 27 of 69 asbestosclaims.law/library/12074/27

ences, cost of fuel, etc., based upon the extensive investigations of the research work. The results are applicable to plants where the steam costs are accurately known as well as those where accurate records are not kept. This makes it a very simple matter to check up the heat losses and to select the proper thickness of covering to yield the maximum net saving.

A series of tests, such as wetting and drying, removing and replacing coverings, and testing coverings that had been in service from 10 to 20 years, was made, in order to determine the permanency of the insulating qualities. In every case the conditions were satisfactory and the covering met the specified requirements.

The name 85% Magnesia denotes the fact that the coverings contain 85 per cent of basic magnesium carbonate. The remaining 15 per cent is asbestos, which is introduced as binder to insure the requisite structural strength and durability. The same process that produces the magnesia carbonate for pipe coverings, also supplies the pharmaceutical, toilet article, soap, rubber, paint trades, etc.

Arizona Notes

Arizona is still the Mecca for all those who seek high grade Asbestos within the confines of the United States, and Globe is the central point from which the faithful worshippers, or rather the undaunted prospectors, start; and they travel for over 100 miles with pack mule, burro, picks, shovel and grub into the uncharted deserts, canyons and mountain ranges in search of the fibrous stone, which was once, alas, not long ago, worth $3000 per ton.

But the field of activity seems to have widened out recently, as news has reached the effete East that successful exploring parties have also started from Tucson (please pronounce "Tusson" and remember it is the hottest place this side of the river Styx) and they send in optimistic reports claiming to have found "the best yet."

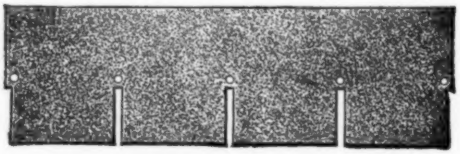
While individually these miners and prospectors bring only a few hundred pounds, at best a ton or two, of Asbestos to rail head when their supplies are exhausted, there is quite a little accumulation of Asbestos in and near Globe and, while during the feverish activity of a year or two ago the few carloads on hand there now would

Asbestos Magazine, 1921, December 1921 Published by AsbestosClaims.Law
ACL Doc 12074 · Page 28 of 69 asbestosclaims.law/library/12074/28

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2. Fire Resisting. Class B Underwriters rating (other Asphalt Roofings rated Class C).
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By capitalizing its advantages over Rag Felt types of Asphalt Roofings Asbestos Material dealers can, by proper sales effort make the sale of National AanA Roofing a very profitable department of their business.

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ACL Doc 12074 · Page 29 of 69 asbestosclaims.law/library/12074/29

have been gobbled up with avidity, they now seem to be a drug on the market, especially since the grading of most of it is poor, and good, bad and indifferent fibre is mixed together.

The two largest producers, i. e., Chrysotile Camp and the Regal Mine, are still idle; their output has been shipped East and Mr. Nelson of Chrysotile fame, and Mr. Hacker from the Regal Mine, have transferred their domiciles to Globe, where they are strenuously occupied with "watchful waiting."



It is reported from Arizona that Mr. A. E. Minium, who has been quite prominent in the Arizona Asbestos field, and was connected with the Globe Asbestos Company, has been placed under arrest by Federal authorities, the specific charge not being known to us. Mr. Minium has been released on bail.

A few tons of No. 1 Arizona have been sold at $900.00 per ton and No. 2 at $450.00 per ton by Mr. Whiteman, other operators protesting on the ground that the price accepted was too low.

It is reported that Pierce and Kyle have thirty to forty tons of good grade of Arizona fibre in their Globe warehouse.

The Raybestos Company mine, in the Sierra Ancha mountains is still closed.

Several prospects on Salt River, near Chrysotile, are being worked but only by the owners of the claims, no workmen being employed.

It is reported that one group of claims which has been worked by the Cobb Brothers and George Bartlett has been sued for wages, notwithstanding the fact that the workmen agreed to work for board, which was furnished, their wages to be paid when the owners could get permission from the Indian Reservation authorities to move the Asbestos and sell it. Up to this writing no such authority has been issued by the Indian Reservation, so that it is difficult to understand upon what basis the workmen expect to recover wages.

It is reported that Col. Thayer is examining some properties in the Cherry Creek district, with the idea of leasing them.

Asbestos Magazine, 1921, December 1921 Published by AsbestosClaims.Law
ACL Doc 12074 · Page 30 of 69 asbestosclaims.law/library/12074/30

ASBESTOS TEXTILE CO.

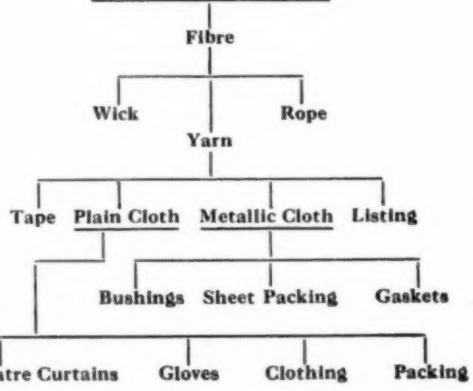
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"Quality and Service"

Asbestos Magazine, 1921, December 1921 Published by AsbestosClaims.Law
ACL Doc 12074 · Page 31 of 69 asbestosclaims.law/library/12074/31

Contractors and Distributors Page

Reports from pipe-covering contractors in the large industrial centers indicate that while inquiries have been slow for the past sixty days, business is pointing steadily upward. In many cases young salesmen have been added to the local forces, —for the most part, graduate engineers,—whose efforts have had a salutary effect in stimulating business during the period of depression. Our readers will remember Edison's advice, which recommended that where business was 60% of normal, 75% additional effort on the part of the sales force would make business better than normally. This would seem to confirm the advice of those who have added to their sales force recently.

At best the insulation business cannot be said to be better than fair. Big contracts are few, competition is keen and business that is going, is being taken at prices close to cost. In many cases, when the contract has been finished, profits are found to have completely vanished. In a few instances, contracts have been fulfilled at a loss.

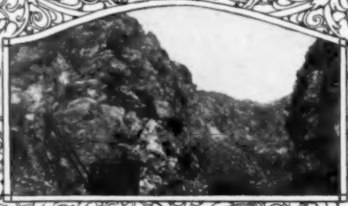
Probably 25% of available business is repair work, the remaining 75% new work. From certain points a large volume of new work is being figured for estimating purposes. Contracts will probably be awarded and the work go forward, if the estimates are within the architect's figures. The drastic peeling down of the general contractors' bids to bring them within the architect's calculations and to satisfy the owners that the cost of building construction is not exorbitant, has made the task of the sub-contractor an exceedingly difficult one.

Labor costs have been fairly well liquidated, except in New York City. Wages range from 80c per hour in Philadelphia, 82½c in Cincinnati, 90c in Pittsburg, to $1.12½ in New York City. The last named is the pinnacle of war-time rates and is scarcely short of disgraceful. With the violent liquidation thru which we have passed, ranging anywhere from 50% to 75% on the sales price of the finished manufactured product, how any organization can demand the peak of war prices and refuse to share by a single ounce in the forced price concession, is beyond comprehension. It savors in policy of Shakespeare's Shylock who persisted in exacting the last pound of flesh.

All in all, notwithstanding, contractors are able to carry their overhead and in certain cases to show a slight profit. The early spring will doubtless witness a decided increase in volume, tho it is doubtful if prices will more than stabilize.

GOOD TEXTILE SALESMAN WANTED
Apply Box 12 A-1, Secretarial Service,
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ACL Doc 12074 · Page 32 of 69 asbestosclaims.law/library/12074/32



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ACL Doc 12074 · Page 33 of 69 asbestosclaims.law/library/12074/33



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Asbestos Magazine, 1921, December 1921
ACL Doc 12074 · Page 34 of 69
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ACL Doc 12074 · Page 35 of 69
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Asbestos Magazine, 1921, December 1921
ACL Doc 12074 · Page 36 of 69
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EDITORIALS

What of Disarmament?

For months past we have been reading articles designed to prepare us for the Washington Conference.

Such ideas as we had formed are, for the most part vague and it is likely that not more than a handful of men thruout the world were prepared for the remarkable proposal by Mr. Hughes at the first meeting of the Conference.

No decent citizen will argue that the limitation of armament is other than in the best interest of humanity. It is most encouraging to note the cheerful acceptance of the plan on the part of large munition makers and undoubtedly all of the industries which contribute of their product to the building and maintenance of land and sea armament will turn this part of their production into peacetime channels if and when the limitation agreement becomes operative.

It does not take much thought to discover the effects of this plan upon the Magnesia and Asbestos business. With merchant shipbuilding almost at a standstill owing to the many idle bottoms which clog our harbors, naval shipbuilding has for some time past been keeping our shipyards at work. A large percentage of 85% Magnesia Pipe and Boiler Covering is used in naval construction and this particular market will be curtailed in direct proportion to the limitation imposed by the Conference.

Asbestos Packings, especially Compressed Sheet and High Pressure Steam Packings, will be affected in a similiar way along with Asbestos Millboard and a small amount of Asbestos Paper.

We are very sure, however, that these industries—Magnesia and Asbestos—will gladly curtail their production or plan new outlets for such part of output as may be cut off by a limitation agreement among the nations.

Since the volume of materials is not inconsiderable, Asbestos and Magnesia manufacturers who cater to naval patronage should follow closely the developments of the Conference and govern their individual businesses accordingly.

Asbestos Magazine, 1921, December 1921 Published by AsbestosClaims.Law
ACL Doc 12074 · Page 37 of 69 asbestosclaims.law/library/12074/37

They Keep Brake Lining Out of Sight, and Out of Mind.

Representatives of Brake Lining manufacturers, when quizzed about the current method employed in the merchandising of Brake Lining usually say that their particular brand of lining is on sale in the best shops in the principal cities, and lead one to believe that automobile accessory merchants and garage men stand in the entances of their places of business, waiting with open arms to show prospective customers Brake Lining and effect a sale.

The other day we walked up one side of Broad Street in Philadelphia and down the other, for a distance of nine blocks or so, and in our journey we carefully examined the window displays of six or seven automobile accessory dealers. The windows were full of spark plugs, chains, transformers and a myriad other things, but in not a single window was there a coil or piece of Brake Lining nor was there a card or sign suggestive of Brake Lining.

We walked into several of these stores and carefully inspected the showcase contents, the shelving and the miscellaneous material standing about the floor, but nowhere could we find a single thing suggestive of Brake Lining.

We have motored over thousands of miles of well-traveled high-ways and we have no distinct recollection of ever having seen a display of Brake Lining made by a merchant of accessories or garage owner; we are positive that not once in thirteen years of driving has any garage man suggested an inspection of brakes, an adjustment of brakes, or a relining of brakes.

The point we are trying to make is that the merchants handling automobile accessories have themselves been sold, by some accessory manufacturer, but, speaking broadly, these same merchants have *not been sold* by manufacturers of Brake Lining—at least not to the extent that Brake Linings occupy a position of equity with spark plugs, chains, lamps, horns and other like equipment.

Entirely aside from our natural interest in Asbestos we believe that the most important thing on an automobile is the brakes. A machine which cannot be stopped at will is an engine of destruction. If this conclusion is even partly correct, what a wonderful opportunity there is for Brake Lining manufacturers to sell the retailers who serve

Asbestos Magazine, 1921, December 1921 Published by AsbestosClaims.Law
ACL Doc 12074 · Page 38 of 69 asbestosclaims.law/library/12074/38

more than nine million owners—and by *selling* we do not mean merely placing the Brake Lining in the stores of the retailers (it is probably there) but selling them the Brake Lining *idea* so that they, in turn, will sell it to the owner.



The American Linseed Oil Case

Much of the doubt concerning the status of legitimate trade associations before the law, has recently been dispelled by Judge Carpenter of the Federal District Court, Northern District of Illinois.

The United States brought action against the American Linseed Oil Company, Sherwin-Williams Company and others engaged in the manufacture of Linseed Oil, charging that an open price trade association operated by the Defendants was in violation of the Sherman Anti-trust Act.

Judge Carpenter in a masterful opinion dismissed the action of the Government.

A copy of the opinion may be read in the office of "ASBESTOS."



Improve Business by Constructive Selling

In times like these, it is not unusual to have a great divergence of opinion as to future business trends.

This particular depression has proven to be no exception to the rule and we find almost equal amounts of pessimism and optimism appearing in the daily papers and the trade press.

Undoubtedly, conditions at this moment are better than they were three months ago and this fact has been seized upon by many writers who point to it as an indication of a steady return to normal conditions. On the other hand, the Babson Organization, in a recent bulletin, points out that this immediate improvement is temporary and goes on to express a hope "that the corner in the depressed cycle will be turned sometime next year."

Babson definitely predicts that we are entering upon a twenty to thirty year period during which prices of commodities will trend downward, this prediction being based upon a chart of commodity prices running from 1782 to 1921.

Asbestos Magazine, 1921, December 1921 Published by AsbestosClaims.Law
ACL Doc 12074 · Page 39 of 69 asbestosclaims.law/library/12074/39

An Efficient Pipe Covering Should Not be Heavy



Every ounce of weight beyond that really necessary for structural strength is a detriment and is likely to induce sagging.

Some well-known pipe coverings weigh from 18 to 42 pounds per cubic foot. 85% Magnesia Pipe and Boiler Covering weighs approximately 12 pounds per cubic foot, and yet its crushing strength may be conservatively rated at 100 pounds *to the square inch* of standard thickness! A heavy man can stand on a half section of 85% Magnesia Pipe Covering placed flat and unsupported on the floor, without crushing it.

It would be easy to make 85% Magnesia of greater structural strength and greater weight, if that were desirable. Only 15 per cent. of asbestos fibre is used. The result is a happy combination of necessary strength with lightness and rigidity and a maximum of insulating quality that is unaffected by constant heat even as high as 700 to 900 deg. F.

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Asbestos Magazine, 1921, December 1921
ACL Doc 12074 · Page 40 of 69
Published by AsbestosClaims.Law
asbestosclaims.law/library/12074/40

Merit may be found in all of these predictions, but as a general proposition the optimist goes much farther and has a lot better time while he is going than any pessimist ever had.

We believe that every business man should keep his business house in good order, should not permit indications of returning prosperity to stampede him into making further extensions, but should practice the greatest possible economy and by increased selling effort of a constructive character keep his wheels turning on the production of goods to be sold *if at all possible* to *new* buyers.

The crime of American business is that when demand begins to fall off, most business houses start out on a "dog eat dog" piratical basis to take from their competitors as much business as they can get by slashing prices, if necessary to less than cost of production.

When a study is made of any given industry, it is always found that mighty little really constructive selling is done, the great part of it being a price pursuit of a small number of customers, who quickly sense the situation and play one seller against the other until no possible Profit can be made by the sellers. This is especially true in a few relatively obscure and narrow industries, of which, unfortunately, the Asbestos Industry is one. There are only a few hundred buyers of Asbestos in large quantities in the whole country, but there must be thousands of potential buyers waiting for the Asbestos Industry to develop them into regular consumers of Asbestos, and its manufactured products.

The trend of business in Asbestos will inevitably follow the general trend of iron, steel, shipbuilding, general building and motor car building, but there are thousands upon thousands of places where Asbestos could and should be used which have yet to be found by manufacturers and sellers of these products.

Dr. Bell on Insulation

Dr. Alexander Graham Bell, in an interview reported by The American is quoted as saying:

"Did you ever stop to think of the amount of heat that is wasted in the world? We build a fire in the furnace —and most of the heat goes up the chimney! We cook our

Asbestos Magazine, 1921, December 1921 Published by AsbestosClaims.Law
ACL Doc 12074 · Page 41 of 69 asbestosclaims.law/library/12074/41

meals—and much of the heat serves simply to make our kitchens uncomfortably hot. Even after food is cooked, or water is boiled, we allow the heat to escape by radiation, and the things grow cold themselves.

"Comparatively few persons even put a 'cozy' on their teapots. They drink lukewarm tea, instead. We owe the fireless cooker and the thermos bottle to somebody who observed the facts of everyday life, and used a knowledge of other facts to give us these conveniences. People use up fuel to heat the water in hot-water boilers supplying the bath-room. But the water soon becomes cool after the fire goes out. Why not cover the boiler with asbestos paper, or some other insulating material, and conserve the heat?"

These suggestions are timely and coming from such a distinguished scientific source will be productive of good.

Undoubtedly Dr. Bell knows that Asbestos paper in itself and in the flat original form of paper is not a non-conductor of heat. It is unfortunate that just a few more words of explanation were not given so that the prevalent misconception of the public mind might have been slightly corrected.

Much wasted heat loss could be saved if hot water boilers were wrapped with *corrugated* Asbestos paper or were covered with Asbestos or Magnesia cement.



Make Brakes and Brake Lining a Special Feature in Automobiles.

We hope to be forgiven for talking so much about Brake Lining. The attention paid to the subject is justified, however, on the ground that by long odds the greatest dollar and cents volume of Asbestos business is transacted in connection with Brake Linings and Clutch Facings.

When being solicited by automobile salesmen, we notice that they pay special attention to a certain design of engine, to a certain make of axle, to a certain ignition system, to a given type of body; but we do not recall any particular emphasis being laid upon brake design and brake performance.

Brakes are mentioned incidentally in the specifications, but could not manufacturers of Brake Band Linings, by analyzing automobile expense and the cause therefore, present such a convincing story to car builders that the

Asbestos Magazine, 1921, December 1921 Published by AsbestosClaims.Law
ACL Doc 12074 · Page 42 of 69 asbestosclaims.law/library/12074/42

NATIONAL MAGNESIA MANUFACTURING COMPANY

Manufacturers of

"85% Magnesia" Pipe

and

Boiler Coverings

Locomotive Lagging

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ACL Doc 12074 · Page 43 of 69
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ACL Doc 12074 · Page 44 of 69
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asbestosclaims.law/library/12074/44

car builder would be proud to call special attention to his particular brake design, to the efficiency of Brake Lining used, and to the ability of his brake design and Brake Lining to stop the car at given speeds in given distances.

The latest public analysis of the causes of accidents, compiled by the large accident insurance companies, place at the head of the list for the first time "Automobiles"; heretofore the chief cause of accidents has been what was classified as "at home" meaning the burns, falls and other apparently simple causes for accidents which generally occur in or about the home.

If the accident insurance companies would go a step farther and undertake to determine the causes of automobile accidents, undoubtedly a large percentage would be found due to defective brakes or brake lining.

A campaign to educate first the insurance companies, then the legislatures and then the owners and drivers of automobiles to the importance of brake design and adjustment, is clearly indicated. In such a plan there is a big opening for the car manufacturer to capitalize a superior brake design and brake performance.



Cause for the High Price of Coal

Producers and manufacturers generally might follow with considerable profit the series of bulletins issued by the General Policies Committee of Anthracite Operators.

These bulletins are apparently being given broad circulation and very convincingly present the coal operators side in the controversy waging thruout the land over the coal situation.

In Bulletin No. 9 it is stated that one miner earned in 1920, $8,793. Another statement is to the effect that the cost of chestnut and range coal to Chicago consumers had increased in September 1921 over September 1914, $7.70 per ton. It is shown that this increased cost is made up as follows:

Increased mine wages	$2.57
Increased freight rates	2.67
Increased operators cost	1.10
Increased local delivery and yard cost	1.36
Total	$7.70

Asbestos Magazine, 1921, December 1921 Published by AsbestosClaims.Law
ACL Doc 12074 · Page 45 of 69 asbestosclaims.law/library/12074/45

LET THIS SINK IN

A few days ago a farmer drove into Minneapolis with

120 Bushels of Oats

He disposed of his oats at the prevailing market and with the proceeds he bought coal for his home. He took back with him just

1 Ton of Coal

It is generally conceded that the farmer is paying altogether too much for what he buys compared with what he gets for the products he sells. The big waste of fuel in manufacturing plants is contributing to high costs and consequently high prices. The pity is that the waste is so unnecessary. Heat insulation for hot surfaces for example will stop from 75% to 95% of a tremendous source of waste. The saving made on high pressure steam usually pays for the cost of the insulation in 4 or 5 months—on heating systems in 1 or at most 2 seasons.

You can aid in conservation, reduce costs, better your own plant operation *AND IT WON'T COST YOU A CENT.* Take a sharp pointed stick to your engineering department and make them cover those wasteful hot surfaces with

Carey PIPE COVERINGS

For Maximum Savings

THE PHILIP CAREY COMPANY
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Asbestos Magazine, 1921, December 1921
ACL Doc 12074 · Page 46 of 69
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The Provincial Royalty Tax

Since Canadian Mine Operators have been forced by competitive conditions to assume the Provincial Royalty Tax of 5%, it is quite remarkable that the Provincial authorities have not taken the necessary steps to remove this Royalty Tax.

With tremendous quantities of Asbestos in various parts of the world laying ready for development, and with several large properties already in production, it is perfectly clear that the handicapping of Canadian Producers by their own Government is unreasonable.

Did You See That Article?

How often does some man in your organization refer to an article that has appeared in one of the business papers and which you never saw? Wouldn't it be worth a great deal to you to have every valuable article in your trade and technical papers given to you in condensed form?



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Asbestos Magazine, 1921, December 1921 Published by AsbestosClaims.Law
ACL Doc 12074 · Page 47 of 69 asbestosclaims.law/library/12074/47

Asbestos Corporation
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The Largest Producers of Raw Asbestos in the World

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THETFORD MINES
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Asbestos Magazine, 1921, December 1921
ACL Doc 12074 · Page 48 of 69
Published by AsbestosClaims.Law
asbestosclaims.law/library/12074/48

Comments on Various Markets

Wire

The favorable developments in financial, Governmental and business affairs during the past month have outnumbered and outweighed the unfavorable factors; the statistical position of copper supply has also continued to improve.

These conditions have made it easy and natural (coupled with the fact that copper prices have for many months been substantially below cost of production) for the copper market to advance.

It is, therefore, not surprising that most producers are asking 13¾c to 14c for electrolytic copper for first and second quarters deliveries, when, indeed, they are at all willing to sell beyond January or February.

If the demand continues as active as it has been in the past two weeks, we think it is safe to assume that the first quarter price will be 14c and upwards in a short time.—*Standard Underground Cable Company.*

Bands.

In commenting on the market situation on Pipe Covering Bands, the Ritter Can & Specialty Company, Philadelphia, says:

In spite of the fact that the price of tin plate has become more or less stabilized since the last price of $4.75 per base box was established, about a month ago, there is still an uncertainty as to what the future may have in store for the users of tin plate articles.

Altho the present market price has been set and is announced by the tin plate mills to remain at this figure until July 1st, still we feel it inadvisable for buyers of tin plate articles to purchase more than their immediate requirements from time to time, as if the present lull in the buying of tin plate continues for the next two or three months, at the rate it has been during the past several months, we expect another drop in the price of tin plate as the only means of further stimulting the buying of tin mill products.

Asbestos Magazine, 1921, December 1921 Published by AsbestosClaims.Law
ACL Doc 12074 · Page 49 of 69 asbestosclaims.law/library/12074/49

South African Asbestos Mines Limited

An interesting account of the operations of the South African Asbestos Mines, Limited, appears in the September 24th issue of the South African Mining & Engineering Journal, from which we have taken the following as being of interest to our readers:

In September 1920, the South African Asbestos Mines, Limited, with a capital of £50,000, began operations on claims lying sixty-five miles southeast of the nearest railroad station of Pietersburg.

This property is abundantly blessed with waterways, a valuable asset to any mining proposition. Two varieties of Asbestos—Blue Crocidolite and White Amosite, extend over a belt 100 miles long between two parallel mountain ranges, well timbered and fairly adjacent to the Olifants River. The production is confined to the Blue Crocidolite in the McPie Valley, where the treatment plant is located because of a large waterfall from which power is secured. This fall will furnish a cheap source of electric power for other applications of electricity.

Since the mill is located on the hillside, ore from the opposite hill is brought to the crushers by an aerial ropeway thru chutes, thus minimizing expense of conveying the ore to the treating plant.

The ore is handcobbed in the mine. The rock is removed by the handwork of boys, who because of the difficulty of cobbing the shorter lengths reject it as waste, while the long stuff is assorted into sizes, bagged and sold. Naturally, the management is striving to recover the material rejected as waste, and is also aiming to further remove the waste rock from the handcobbed Asbestos to reduce the weight of the material for transportation. To this end the waste is crushed in a Blake crusher and passes over a set of rolls into a sizing trommel which grades it approximately according to fibre length. The graded products each pass to edge-runners which further break off the waste rock, recovering by fan created suction all fibres of Asbestos. The handcobbed is assorted into sizes and graded, each grade being sent thru a central disintegrator.

Asbestos Magazine, 1921, December 1921 Published by AsbestosClaims.Law
ACL Doc 12074 · Page 50 of 69 asbestosclaims.law/library/12074/50

Canadian Crude and Fibres Asbestos	South African and Rhodesian Blue and White Asbestos	Russian Asbestos as soon as Railway Traffic will be Opened

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Paul Hammerich

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

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PENNSYLVANIA ASBESTOS CO.

John A. Hovey, President

NORTH WALES, PA.

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ACL Doc 12074 · Page 51 of 69 asbestosclaims.law/library/12074/51

ASBESTOS FIBRE

FOR THE MANUFACTURE OF

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



THE QUEBEC ASBESTOS CORPORATION

Office and Mines

East Broughton, Province of Quebec
Canada

Asbestos Magazine, 1921, December 1921
ACL Doc 12074 · Page 52 of 69
Published by AsbestosClaims.Law
asbestosclaims.law/library/12074/52

All adhering waste rock is removed and the disintegrated fibres bagged for export.

The economy brought about by this method of treatment is noteworthy. Handcobbed Asbestos is reduced from one half to one third of its original weight, while the saving of Asbestos in waste rock is an indisputable gain.

Only the serious difficulty of transportation burdens the mines activities. Ox-wagons slowly and tediously transport the material to the shipping terminal at a cost represented to aggregate fifty shillings per short ton of Asbestos. Altho railroad transportation thru this locality would remove the chief obstacle to intensive development, the progress achieved without it is most commendable.

Imports and Exports of Asbestos

From India Rubber Journal of issue November 12, 1921, we note the following statistics on exports from England; for the month of October 1921 as compared with those of October 1920:

Asbestos Manufactured Goods.

	1920		1921	
To Netherlands ..	108 tons	£10,321	55 tons	£5,082
France	19 "	6,898	27 "	7,140
British India .	209 "	16,551	24 "	5,797
Other countries	1530 "	134,839	605 "	58,331
	1866	£168,609	711	£76,350

Imports of unmanufactured Asbestos by the United States for the month of September, 1921, were:

From England, 9 tons valued at.....	$2,013.00
Br. South Africa, 8 tons valued at.	2,949.00
Port. Africa, 21 tons valued at....	6,444.00
Canada, 5307 tons valued at.....	182,969.00

Imports of Manufactured Asbestos Products during September were practically nil, the only imports reported being small quantities from Canada.

And during the month there was exported from the United States, to Germany, 1 ton of Crude Asbestos, valued at $1500.

Asbestos Magazine, 1921, December 1921 Published by AsbestosClaims.Law
ACL Doc 12074 · Page 53 of 69 asbestosclaims.law/library/12074/53

Figures for export of Manufactured Asbestos Products are slightly lower in September than they were in August, amounting to $72,381, against $72,928 in August. It is also interesting to compare this figure with that for September 1920, which was $255,859.

It may further interest our readers to know that the September 1921 figure for exports of Manufactured Asbestos Goods includes

Belgium	$2,572.00
France	5,021.00
Italy	2,586.00
Sweden	2,628.00
England	3,087.00
Japan	10,137.00
Mexico	28,015.00
Australia	1,560.00

October showed a decided improvement in the exports of passenger cars and motor trucks as compared with the previous month. Passenger car exports increased 6% in number and 4% in value. Motor trucks increased 26% in number and 57% in value. Total automotive exports, including airplanes and motorcycles, increased 8% in value in October over September, but decreased 79% as compared to October, 1920.

The value of total exports of passenger cars, motor trucks, airplanes and motorcycles declined 43% for the first 10 months of 1921, when compared with the same period of 1920.

The United States Chamber of Commerce defines a trade association as "a voluntary organization for the improvement of an industry."

And further, it agrees that:

"The legitimate functions of trade associations include, without directions as to use, the furnishing of information upon production and distribution of commodities and raw materials, assistance in the technical processes of manufacture and the standardization of products; promotion of the general use of commodities, and forms of service which are helpful in the progress of the industry and of benefit to the public."

Asbestos Magazine, 1921, December 1921 Published by AsbestosClaims.Law
ACL Doc 12074 · Page 54 of 69 asbestosclaims.law/library/12074/54

ASBESTOS



Bennett-Martin
Asbestos and
Chrome Mines
LIMITED



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Thetford Mines, P. Q.
Canada

General Sales Office

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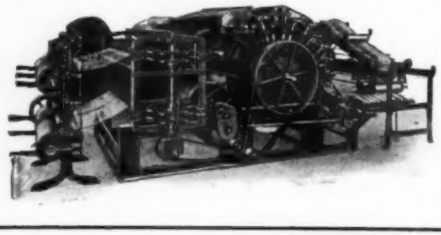
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Asbestos Magazine, 1921, December 1921
ACL Doc 12074 · Page 56 of 69
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NEWS OF GENERAL INTEREST

John N. Willys, president of Willys-Overland, believes that the worst of the business depression is over and that automobile price tendency instead of continuing downward will now begin to go upward. He reports the Toledo factory having shipped eighty-four carloads of automobiles to Los Angeles in one train, and believes that this is the largest shipment of motor cars ever made from a factory.

A little booklet issued by the International Steam Engineer, 6334 Yale Ave., Chicago, under the title "Information Regarding Power Plants" should be in the hands of every man manufacturing or selling goods used in the power plant field.

It gives a table of the total horse power employed in all industries, and then subdivides this horse power among the different industries.

It gives estimates on the annual expense for producing this horse power, for upkeep and replacement, and other data and suggestions which we believe will be very helpful, especially to salesmen.

We are sure that anyone interested may secure copies of this booklet upon request.

Announcement is made by the University of Pittsburgh that the Mellon Brothers have donated to the University 14 acres of land, valued at $1,500,000. It is stipulated that the gift is in the interest of research.

The Mellon Institute of Industrial Research was established and is largely maintained by the Mellons and, with this latest gift of land, the donors have probably contributed more direct and valuable aid to industry than have any other two men in the country.

It is encouraging to witness the growing tendency of very rich men to endow works of such large and permanent good to society.

The India Rubber Journal of issue October 29th, 1921, gives on page 23 an outline of a plan being considered by the Rubber Shareholders Association of London, which plan should be read by every Asbestos Mine Operator and Manufacturer in the world.

It is precisely along the lines which should be followed by the Asbestos Industry in conducting research and propaganda looking toward the finding of new uses and the development of new and old uses to the greatest possible extent.

This rubber plan is outlined in considerable detail and if put into execution we cannot see how it could fail.

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ACL Doc 12074 · Page 57 of 69 asbestosclaims.law/library/12074/57



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Heat that is otherwise lost can be saved. Sal-Mo Aircell will do it. It is inexpensive, but it is costly to go without this protection.

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Nothing Better for Furnace Pipes

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Scranton, Pa.

BOSTON, MASS.
268 State St.

Asbestos Magazine, 1921, December 1921
ACL Doc 12074 · Page 58 of 69
Published by AsbestosClaims.Law
asbestosclaims.law/library/12074/58

NEWS OF THE INDUSTRY

Sir Mortimer B. Davis, controlling owner of Consolidated Asbestos Limited, has left Canada for his regular winter sojourn at Monte Carlo.

The Willoughby's Consolidated Company issues the following announcement with reference to the Birthday Asbestos Mine, in which it has a 40 per cent interest:

"Willoughby's Asbestos Pool is taking advantage of the slump in the asbestos market, and its improved financial position, to cease producing from its Birthday mine for six months in order to bring the plant up to date, install grading machinery, and further develop the mine, the recent reports from which are highly satisfactory." The Birthday Asbestos mine is in the Shabani district of Rhodesia in the neighborhood of a block of claims belonging to the Rhodesian and General Asbestos Corporation. The Chicago-Gaika Company also owns a 40 per cent interest in the Birthday mine, while the remaining 20 per cent is held by the Surprise Gold Mining Company.—South African Mining and Engineering Journal.

Asbesto-Mats is the title of a remarkably well prepared and beautifully printed booklet issued by Asbestos Limited, New York.

In its pages are described and illustrated mats made of 100% pure blue Asbestos for insulation of marine and locomotive boilers.

Valuable efficiency tables are included, together with lists of important users thruout the world.

The exhibit of Asbestos owned by the Asbestos & Mineral Corporation now contains 483 different specimens. If any reader of Asbestos has specimens of unusual merit which he would like to have added to this exhibit, the A. & M. Corp. would greatly appreciate receiving them, and the specimens would be placed in their museum properly marked with the donor's name and credit given to the donor in the catalog.

An attractive and informative circular is being issued by Waite Wild Asbestos Company describing "Featherweight" Asbestos Mattresses for insulating marine, locomotive and stationary boilers.

M. A. Neely, General Manager for John R. Livezey, Philadelphia, and Mrs. Esther Raudenbush, of Tioga, Philadelphia, were quietly married on October 22, by the Rev. Samuel McWilliams, of the Tioga M. E. Church.

Asbestos Magazine, 1921, December 1921 Published by AsbestosClaims.Law
ACL Doc 12074 · Page 59 of 69 asbestosclaims.law/library/12074/59

Mr. Newell Davis, for many years Purchasing Agent for the United Gas Improvement Company and allied interests, in Philadelphia, has joined the forces of the American Insulation Company of Philadelphia.

Mr. Davis says it is most interesting to see the situation from the viewpoint of the seller.

To W. H. Huber, M. D., Secretary-Treasurer of the Asbestos Fibre Spinning Company, North Wales, Pa., it is our pleasure to extend hearty congratulations and best wishes on the occasion of his birthday, which will occur on December 22nd.

Blue Asbestos Producers in British Bechuanaland have joined hands in the formation of a Blue Asbestos Producers' Association, by which it is hoped to place the industry on a sound and business like basis. A deputation consisting of Messrs. W. H. Addison and J. P. Frylinck recently waited upon the Minister of Mines and Industries in Pretoria, and the Government as an outcome has consented officially to recognize a grader of the fibre appointed by the Association. The Association has agreed upon a standard grading and minimum prices.—South African Mining & Engineering Journal, Oct. 15, 1921.

Newspapers announce that Dr. Richard V. Mattison, has purchased the forty-four acre tract of land upon which stands the Mary C. Hart mansion, the property being located in Ambler, Pa.

Dr. Mattison announces it as his intention to set aside the buildings and sufficient of the land to provide a modern hospital, primarily for service to workmen in the Ambler industrial plants, altho its facilities, after the needs of the workmen have been supplied, will be open to residents of Ambler and vicinity.

Mr. Gavin Milroy, originally with Turner Brothers Asbestos Company of England, and then for some time with the Argus Asbestos Company of Port Chester, N. Y., has entirely severed his connection with the Turner and Argus interests, and is now connected with the Atlas Asbestos Company, Limited, of Montreal.

Mr. Milroy is also acting as Agent in the United States for the African Asbestos Mining Company, Bulawayo, Rhodesia.

We have the pleasure this month of introducing to our readers The Philadelphia Asbestos Company, Distributors and Contractors for Asbestos and Magnesia Products, which, on November 23rd, 1921, opened its office and warehouse at 422-24-26 Callowhill Street, Philadelphia.

The officers of the Company are John J. Liner, President, E. R. Teubner, Jr., Vice President, and N. P. MacMullan, Secretary-Treasurer, all three of which gentlemen were formerly connected with the Philadelphia Office of the Keasbey & Mattison Company.

Asbestos Magazine, 1921, December 1921 Published by AsbestosClaims.Law
ACL Doc 12074 · Page 60 of 69 asbestosclaims.law/library/12074/60

Consolidated Asbestos Limited

MINES AT

THETFORD MINES, QUEBEC, CANADA
ROBERTSONVILLE, QUEBEC, CANADA

Miners of all Grades
OF
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CRUDE and
FIBRE

EXECUTIVE OFFICES

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

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ACL Doc 12074 · Page 61 of 69 asbestosclaims.law/library/12074/61

Despite the many rumors to the effect that all mines in Canada are closed down, we are informed that Asbestos Mines Limited has been running night and day for the last three months and plans are now in hand for increasing the mill capacity. This work should be finished within about four months. We also understand that the Black Lake Asbestos & Chrome Company is operating one shift.

Frost King Radiator covers for automobiles, manufactured by the Cincinnati Auto Specialty Company of Cincinnati, O., are lined with asbestos, with an inner lining of heavy quality gray felt.

It is interesting to note that in a recent article appearing in the December issue of *Mechanical Engineering* under the head, "Heat Balance in Steam Power Plants," first place among the principal sources of heat waste is given to radiation.

On November 23, 1921, Mr. and Mrs. T. H. Crabtree, of Black Lake, Canada, celebrated their fiftieth wedding anniversary. Many friends were present to congratulate them on this golden anniversary. Mr. Crabtree is known to many of our readers as the pioneer Asbestos inspector in the Canadian field.

The California Industries Exposition, running from November 19th to December 10th, in the Civic Auditorium, San Francisco, California, has been an unqualified success.

This is the first instance of co-operative effort on the part of California manufacturers to present their products to the public on a large scale.

One of the high spots at the exposition was an exhibit of 85% Magnesia Sectional Covering, Blocks and Plastic, and other products of the National Magnesia Manufacturing Company, San Francisco.

A very creditable and practical demonstration of heat loss from steam pipes was given by Keasbey & Mattison Company's New York office at the Annual Marine Show. Thermometers were applied to the outside of covered pipes insulated with different thicknesses of Air Cell and 85% Magnesia, which thermometers registered the relative temperatures showing the efficiencies of the coverings. The demonstration was well received by those in attendance.

Under the title Autobestos is issued by the Keasbey & Mattison Company, Ambler, Pa., a list of sizes and specifications of Asbestos Brake Band Lining and Clutch Facings for all models of all recognized passenger and commercial cars.

The book is 6 x 9 inches, contains a beautiful airplane photograph of the Keasbey & Mattison Company's plant, a well-worded introduction, and the tabulations require sixty-four pages.

The type used is of size which will undoubtedly obtain for

Asbestos Magazine, 1921, December 1921 Published by AsbestosClaims.Law
ACL Doc 12074 · Page 62 of 69 asbestosclaims.law/library/12074/62

this book a place on the shelves of all axle and car builders, accessory dealers and garage men.

Mr. W. C. Dodge, Jr., is now executive head of the Argus Asbestos Company, Port Chester, N. Y. Mr. Dodge succeeds Mr. Gavin Milroy.

It is interesting to note that the National Magnesia Manufacturing Company, San Francisco, has added to its regular 85% Magnesia line of products, a number of other things, particularly for consumption on the Pacific Coast.

A recently issued circular announces that they are making several kinds of cements, underground steampipe covering, ground calcined magnesite for magnesite floorings, dead burned magnesite for refractory purposes, milk of magnesia, sodium hyposulphite used extensively in developing photographic films, green soap, paint fillers and rubber fillers.

G. W. Ross, President of the Asbestos Corporation of Canada, has resigned as Chairman of the Montreal Harbor Commission, and is candidate for the St. Antoin Division, Montreal, as Conservative in the coming Dominion election.

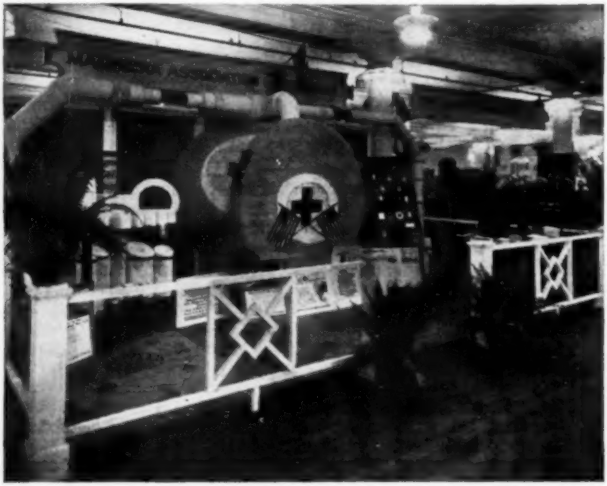


Exhibit of the Magnesia Association of America, at the Annual Marine Exposition, Held in New York City During the Week of November 14, 1921. The Boiler, Showing Application of 85% Magnesia Heat Insulation, Attracted Much Attention.

Asbestos Magazine, 1921, December 1921 Published by AsbestosClaims.Law
ACL Doc 12074 · Page 63 of 69 asbestosclaims.law/library/12074/63

W. A. RuKeyser, B. SC., E. M., Mining Engineer and Geologist, of Montreal, has completed his work as Engineer-in-Charge, for the Jacob A. Jacob interests, which included the development of Asbestos Mines, Ltd., and certain changes for the Black Lake Asbestos & Chrome Company, and is now consulting engineer for the New Dominion Copper Company, with offices at 2 Rector street, New York City, and properties at Globe, Arizona, and Chihuahua, Mexico. Mr. RuKeyser will be remembered by our readers as the author of the very interesting articles appearing in May, June and July "ASBESTOS" on the "Past and Present Methods of Mining and Milling Asbestos."

W. Lucas Simons, Manager Raw Asbestos Department of the General Asbestos & Rubber Company, Charleston, S. C., recently visited Thetford with his bride.

W. H. Smith, of Detroit, formerly manager of the Bell Asbestos Mines, recently visited his brother, the Honorable George R. Smith, at Thetford.

W. H. Fleming, distributor of Ehret's 85% Magnesia Coverings in Birmingham, Ala., died suddenly on November 15.

"ASBESTOS" is indebted to the Phoenix Specialty Manufacturing Company, New York City, for several samples of Metallic Asbestos Gaskets. We are very glad to add these to our growing collection of manufactured Asbestos Products.

The Phoenix Specialty Manufacturing Company make all kinds, sorts and conditions of gaskets, and the descriptions they have supplied with the samples are very helpful.

Stewart Dickson of Stewart Dickson & Company, 118 Broad street, New York City, has just returned from a trip abroad. All of Mr. Dickson's time on the other side was spent in England.

A little eight page circular describing Carey Asbestair for hot air furnaces, Carey Tank Jackets for hot water tanks, and other materials of interest to the house owner, has just been issued by the Philip Carey Company.

The text content is informative, hence useful, and illustrations illuminate the text effectively.

Oliver Bowles, Mineral Technologist, U. S. Bureau of Mines, has prepared an interesting and helpful survey of Asbestos, brought up to include the activities of 1920.

One of the interesting new applications of Asbestos developed during 1920 was the use of low grade fibre with Portland Cement for construction of roads. It is claimed that a mixture of Asbestos Fibre with cement greatly improves the surface of concrete roads, enabling them to resist pitting, and greatly reducing the rate of enlargement of holes in the road surface.

Asbestos Magazine, 1921, December 1921 Published by AsbestosClaims.Law
ACL Doc 12074 · Page 64 of 69 asbestosclaims.law/library/12074/64

QUALITY USACO PACKINGS

United States Asbestos Company
General Office: Lancaster, Pa.
Mills at Manheim, Pa.

Manufacturers of asbestos yarns and fabrics, also packings and friction facings.

Sold exclusively to manufacturers of rubber goods, packings, and brake linings, and to distributors of asbestos materials on a quantity basis.

USACO

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New York **Boston**

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ACL Doc 12074 · Page 65 of 69
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IMPERIAL BRAND



IMPERIAL
All Asbestos Pipe Covering with Water-proof Jacket for Outside Lines. Especially adapted for Train Pipe insulation.
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Asbestos Magazine, 1921, December 1921
ACL Doc 12074 · Page 66 of 69
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Established 1897

Ehret Magnesia Mfg. Co.

Valley Forge - Pennsylvania

Manufacturers
of
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85% Magnesia Pipe & Boiler Coverings
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Each add its share of cheer
And peace and joy and heart's content
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