ASBESTOS

1701 Winter Street, Philadelphia, Pa.

A MONTHLY MARKET JOURNAL
Devoted to the Interests of the
Asbestos and Magnesia Industries

APRIL 1931



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... ASBESTOS ...

A MONTHLY MARKET JOURNAL
DEVOTED TO THE INTERESTS OF THE
ASBESTOS AND MAGNESIA INDUSTRIES

A. S. ROSSITER - - EDITOR

PUBLISHED BY SECRETARIAL SERVICE
1701 Winter Street
PHILADELPHIA, PENNSYLVANIA
C. J. STOVER, Owner

Entered As Second Class Matter November 23, 1923, at the Post Office at Philadelphia, Pennsylvania, Under Act of March 3, 1879

Volume XII APRIL 1931 Number 10

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Bureau of Standards Brake Lining Test Equipment[1]

By S. von Ammon[2]

Much time and effort have been devoted, especially in the last ten years, to the development of methods and equipment for testing brake linings.

Laboratory tests alone should not be considered as conclusive regarding the behavior of a brake lining in actual service, particularly in view of the wide range of conditions of brake design and operation which must today be met.

The characteristics of the brake lining under controlled operating conditions (such as pressure, temperature, drum material, etc) and the influence of modifications in the constituents and in manufacturing processes on the characteristics of the lining are advantageously studied with laboratory equipment.

The use of such equipment is also desirable and beneficial as a first method of eliminating linings with characteristics, which from experience are known to be less desirable than others. Those appearing most suitable can then be subjected to actual service for further elimination or final selection.

The Federal Government is interested in the purchase of brake linings that will give satisfactory service in the great variety of motor vehicles included in its fleets; and it is desired to avoid if possible the need of a variety of materials for different uses. The Federal Specification for Brake Lining[3] shortly to be issued for use by all Government departments, provides that all brake linings submitted for consideration be tested by the Bureau of Standards and given comparative ratings for use as a basis in making purchases. For this reason, a description of the equipment used for these tests by the Bureau should be of interest.

The test equipment, shown in the accompanying illus-

[1] Published by permission of the Director of the Bureau of Standards, Washington, D. C.

[2] Mechanical Engineer, Bureau of Standards.

[3] Federal Specification: Lining, Brake-Band No. HH-L-361 has been approved by the Federal Specifications Board and will be issued as soon as printed (about May 1, 1931).

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tration is built on the lines of a cradle-dynamometer, so that the torque may be measured on the frame of the machine, regardless of the method of drive adopted for the shaft carrying a brake drum. The oscillating frame carries the two pressure arms each carrying a brake shoe. The pressure is applied by means of the adjusting linkage con-



Bureau of Standards Brake Lining Testing Machine (Rigid Metal Brake Shoes instead of the flexible shoes shown, are now used.)

necting the front ends of the upper and lower pressure arms; this includes a ring gage for measuring the tension in this linkage and from the reading of this gage the pressure on the shoes is computed.

All regular tests are made with constant power absorp-

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tion. While constant pressure tests have certain special uses, the general comparison of different linings is satisfactorily done only if they are doing the same amount of work during the test. In constant pressure tests the work done varies with the coefficient of friction, the operating temperature varies with the load and the coefficient of friction is in turn affected by the temperature. The variations resulting from this interdependence make it difficult to say the least, to obtain satisfactory comparison.

In this equipment the complete oscillating frame is overbalanced by weighting the torque arm extending downward from the front of the frame, so as to exert a torque in the direction opposed to the rotation of the shaft, and corresponding to the horsepower to be absorbed at the test speed selected. If therefore the drum speed is correct and the brake shoes are applied to the drum with the correct pressure to just balance this torque (as indicated by the pointer being on the zero mark of the scale) then the horsepower absorbed will be that for which the machine is set.

To simplify the pressure adjustment, an automatically operated switch is used to energize the small electric motor mounted on the upper pressure arm in such a manner as to increase or decrease the tension in the linkage between pressure arms with changes in the coefficient of friction or with the wear of the lining. A handwheel similar to that shown on the lower end of the linkage for use for rapid adjustment of the pressure, may be substituted for the motor, if automatic adjustment is not desired or at times when the motor might need overhauling.

An attachment for grinding the drum consisting of a special bracket, slide-rest and portable grinder is readily mounted on the base of the machine when the lower pressure arm has been removed and the machine frame swung back. The drum can thus be conveniently reground and polished for each test.

The tests used in connection with the Federal Specification were adopted after very extensive experimental work with a wide range of test conditions and many brake lining materials, as apparently suitable for the particular purposes of the Government. It is anticipated that experience

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Philip Carey Products

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85% Magnesia
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Elastite Asphalt Expansion Joints,
Planking, Trunking, Pavement for Crossings,
Track Insulation and Water-Proofing
Asphalt and Tarred Felts

THE PHILIP CAREY COMPANY

***Lockland,* Cincinnati, Ohio**

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will permit of improving this test method from time to time. Brake lining manufacturers will also develop and use other test conditions to meet special conditions and solve special problems constantly presenting themselves.

For these reasons the test equipment was designed to permit of a wide range of conditions, as indicated for example by the following features: The drum flange will take a drum with either side or central web, and of course of any drum material; the test specimens may be up to two inches wide and from two to five inches long. The thickness of the lining may be varied within reason by suitable machining of the shoes. A wide range of speed and power absorption is possible, the Bureau having used speed from 600 to 200 r. p. m. and power absorption up to six horsepower. The lower speeds have the advantage of giving the desirable combination of heavier unit pressures without resulting in unduly high test temperatures.

Tests with one specimen instead of two have been made tho the latter is generally preferable as reducing the bearing load.

Revision of U. S. Government Specifications

Specifications for various insulation materials are being revised by the U. S. Federal Specifications Board, and comments and suggestions as to changes are desired by the Board from manufacturers or others interested. The specifications to be revised are as follows:

Magnesia Asbestos Plaster, U. S. G. M. S. No. 211, dated 9/30/24.

Magnesia Block & Pipe Covering, U. S. G. M. S. No. 212, dated 9/30/24.

Asbestos Millboard, U. S. G. M. S. No. 54, dated 2/1/23.

Corkboard, U. S. G. M. S. No. 337, dated 10/1/25.

Cork, Ground, U. S. G. M. S. No. 338, dated 10/1/25.

Suggestions should be addressed to the Federal Specifications Board, Washington, D. C., as promptly as possible, at least before May 9th.

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FINISHED PRODUCT

Johns-Manville carries on the entire manufacturing process of asbestos. Mines in Arizona and Canada, thirteen factories located strategically across the continent and branch offices in all large cities cooperate in the supreme idea of service.

In a hundred ways Johns-Manville products contribute to the comfort of modern life and to the efficiency of industrial establishments. There are Johns-Manville Asbestos Shingles, automobile brake linings and Improved Asbestocel heater pipe and boiler insulations. Besides these, Johns-Manville makes scores of items ranging from asbestos curtains that protect theatre audiences to the packings, insulations and cements which make it possible to heat large buildings, and to operate great power plants.

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Branches In All Large Cities

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A Letter and a Little History

"ASBESTOS" March 18th, 1931.

Philadelphia, Pa.

In your March issue you ask for information regarding a Henry Miller (or Mueller) and I believe you refer to Henry W. Miller & Sons, who were located forty years ago at the northwest corner of Hancock and Huntingdon Sts., Philadelphia, engaged in the manufacture of Magnesia products and Asbestos Textiles, Wick, etc. The sons were Albert and William and were very successful.

The latter represented his ward in Philadelphia Common Council for some years.

They did not make yarns or cloth. They sold out to the H. W. Johns Company and David T. Dickson became the General Manager for the new owners and was also the Manager of their local sales rooms, then located on the East Side of Second Street, just north of Market Street.

The H. W. Johns Co. required a larger mill and more space for Miller's listings and magnesia and to produce added lines of Asbestos Wick, etc., and removed to a building on 24th Street south of Spring Garden, Fairmount, Philadelphia, where the writer frequently called on them in the interest of machinery equipment business. At the latter location they had a serious fire and I acted as adjuster on their loss.

Shortly afterward, the machinery equipment was removed to the H. W. Johns Mfg. Company at 39th St. Ferry, South Brooklyn, where the ever expanding business of this old pioneer firm, founded by H. W. Johns, was continued until they moved to Manville, N. J., about 1917 to 1919, a permanent location.

Their salesrooms were then located on the first floor at 100 William Street, New York, where I frequently met the founder of asbestos manufacturing in the United States and under his ownership the first asbestos yarns were manufactured about forty years ago under General Manager Jewett and Superintendent Foster in South Brooklyn.

(Sgd.) JOHN F. BOLGER, *Vice Pres.*,
Allbestos Corporation, Phila., Pa.

Send us any information you have on Asbestos Textile history.

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Bell Asbestos Mines

Thetford Mines, P. Q., Canada



HIGHEST QUALITY

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Shipped to All Parts of the World

Sales Agents

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FACT AND FANCY

The U. S. Government uses U. S. Goods.

One of our readers calls attention to an Act passed by the Seventy-first Congress, just adjourned, and approved by the President, which, having to do with appropriations for the year 1932, contains the following provision.

> "That in the expenditures of appropriations in this act, the Secretary of War shall, unless in his discretion the interest of the Government will not permit, purchase or contract for, within the limits of the United States, only articles of the growth, production, or manufacture of the United States, notwithstanding that such articles of the growth, production, or manufacture of the United States may cost more, if such excess of cost be not unreasonable."

American Industry is evidently to be supported by the U. S. Government, which is, of course, as it should be.

The Russian Situation.

It may be that some of our readers would prefer that nothing whatever be published concerning Russia or Russian Asbestos.

It is hardly possible, however, for a magazine which tries to faithfully publish to the Asbestos Industry, news, important developments, etc., to ignore a situation which is so vitally important to the whole Industry.

We believe the fuller the discussion of this situation in our pages and the more information our readers have as to all the arguments, pro and con, the better will each and every executive in the Asbestos Industry be able to chart his course, and the course of his company, in these rather turbulent waters.

Asbestos Auto Bodies.

A rather surprising use for asbestos is reported by the New York Times under date of April 1st.

An Englishman, A. H. J. Wright, claims he can mold fireproof bodies for automobiles out of asbestos at about half the weight and cost of steel. Three important concerns in England are said to be experimenting with the idea.

Mr. Wright claims to have devised means of making

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GARCO ASBESTOS TEXTILES

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BRAIDED AND WOVEN TUBING
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FIRE RETARDANT CURTAINS
VALVE STEM. HIGH PRESSURE AND SHEET PACKING
DIE-FORMED PACKING RINGS
BRAKE LINING — CLUTCH FACINGS

ROVING. FINE YARN. CORD AND LISTING MADE FROM NON-FERROUS FIBRE

GENERAL ASBESTOS & RUBBER DIVISION
OF RAYBESTOS-MANHATTAN, INC.,
NORTH CHARLESTON, S. C.

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-but Ric-wiL Conduit keeps the pipes and pipe covering DRY!

Drenching rains may soak the ground around the conduit but if your pipes and pipe covering are housed and protected in Ric-wiL Conduit you have nothing to worry about. For Ric-wiL, with its locked and sealed Loc-liP Side Joint, provides a housing that moisture will not penetrate—and the Ric-wiL Base Drain carries the water away promptly. In Ric-wiL your pipe covering will be kept dry and therefore always at its peak efficiency.

You should have a copy of our Catalog No. 8 for ready reference. A request will bring one without obligation.



Ric-wiL Engineering Service offers you the benefits of over 20 years experience. Why not take advantage of it?

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CONDUIT SYSTEMS FOR
UNDERGROUND STEAM PIPES

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a thin asbestos sheeting which is resilient, not brittle. This sheet is fireproof, a non-conductor of heat and eliminates "drumming" while the surface is ideal for covering with cellulose. It is also claimed that molds for any shape of body can be built in a few days, the dies for steel bodies taking several months.

This would seem too good to be true but if the tests now in progress prove successful, the asbestos industry would certainly have cause for congratulation.

We would like to know a great deal more about this project, and hope some of our British readers will be able to give us details.

Make This Pull Test Yourself.

This suggestion appears on a blotter size sample, sent out by Grant Wilson, Inc.,[1] of their Non-Con-Dux Asbestos Felt Paper.

The test is to wet the sheet of paper, and —

"It's tough when it's wet and
It's white when it's dry"

gives you an idea of the result.

Just a bit of psychology used by Wilson to make the Asbestos Paper Buying Trade conscious of the difference in Asbestos Papers.

And it serves to remind the buyer that asbestos paper does not "just grow" but is made to a very definite specification and to meet and serve a very definite need.

Asbestos Products are taken too much for granted—if interest can be aroused in a product by some simple test of this sort, buyers will be rather certain to remember asbestos, and the firm which suggested the test, when they are next in the market.

Rather clever, don't you think?

[1] Grant Wilson, Inc., will be glad to send one of these test sheets to any of our readers upon request addressed to 4101 W. Taylor St., Chicago, Ill.

CONTRACTS EXECUTED ANYWHERE
High and Low Pressure Insulation
Brine and Ammonia Cork Insulation
STONE INDUSTRIAL EQUIP. CO.
SPRINGFIELD : : MASS.

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Further Comments on the Russian Situation

The following comment has been received from our good friend, E. Schaaf-Regelman of New York City.

The importation of Russian Asbestos in quantities vastly exceeding our normal demand, in times when consumption owing to general trade depression was considerably below normal, is the outstanding and exclusive reason why our asbestos industry is, and will be, demoralized for a long time to come.

Neither Canadian nor South African asbestos producers, nor those in any other country, can produce asbestos at as low a figure as in Russia, where the cost of labor, we are reliably informed, only constitutes the feeding, clothing and housing of the laboring masses.

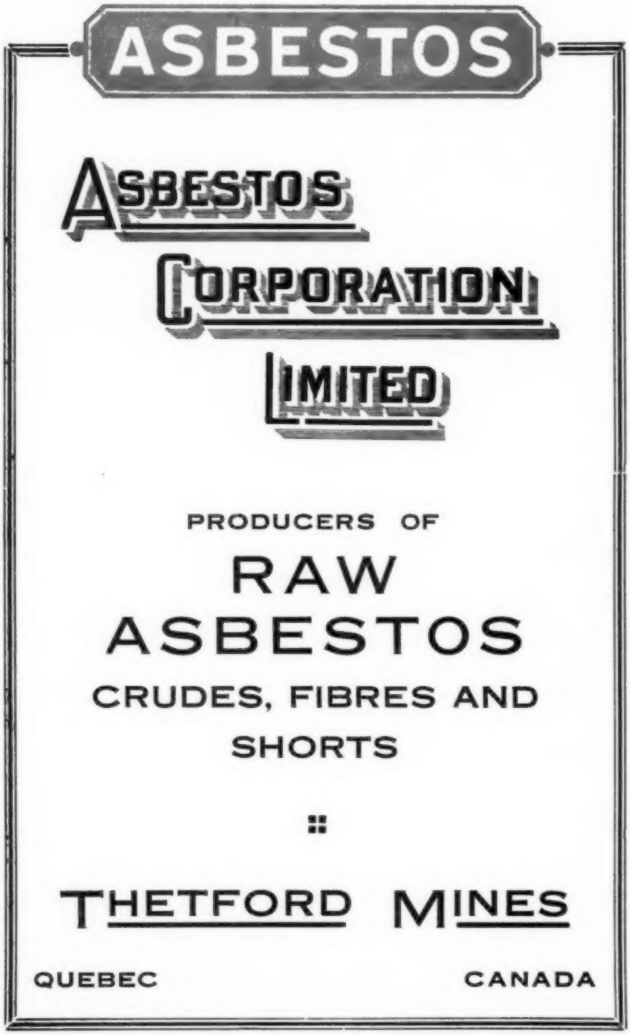
If the program of developing the Russian asbestos mines is being carried out as it has begun, the Russian mines will be able to supply the world's demand within a few years and asbestos mines in all other countries will have to cease operations.

Simultaneously Russian asbestos textile mills, asbestos shingle plants and asbestos paper and millboard factories are being built on a vast scale and their products will be exported in ever increasing quantities: it is easily conceivable therefore that this may spell the doom of the American asbestos industry.

The only remedy seems to be for our government to exclude Russian asbestos, on the ground of unfair competition and to do the same in regard to other Russian products, which we are able to produce ourselves, as no capitalistic country can survive the onslaught of Sovietism, without resorting to Soviet rule sooner or later.

And next we print the comments of A. V. Mikadze, American Representative of Rudoexport (Soviet Ore Exporting Company) of New York City, which, naturally, gives the Soviet side of the story, and which we feel certain all our readers will be interested to read:

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In view of the fact that the importation into this country last year of a small quantity of Soviet asbestos has already begun to call forth the usual scare stories regarding the so-called Soviet "menace" to American industry, it is essential to establish the facts in the case. It is well known that the United States produces very little asbestos and and has to depend almost entirely on imports from abroad. These imports amounted to 206,000, 234,000 and 186,000 tons respectively in 1928, 1929 and 1930. As compared with these total imports, the imports of asbestos from the Soviet Union in 1930 totaled 4,000 tons, which is a little over 2 per cent of the total imports.

The assertion that the importation of Soviet asbestos, amounting to 2 per cent of the total, is the reason why the asbestos industry is "demoralized" can hardly be given serious consideration, especially in view of the fact that these imports in no way compete with American industry, but with imports from other countries. There is no doubt that Soviet asbestos is considered a welcome supplementary source of supply by the American consumers.

Moreover, as in the case of other Soviet products, asbestos imported from the U. S. S. R. is sold at world market prices. Soviet products are exported solely in order to pay for the needed imports, and the policy naturally is to obtain the maximum possible returns.

Norman R. Fisher, an authority on raw asbestos, writing on the fall in asbestos prices in the February, 1931, issue of Engineering and Mining World, made the following statement: "The appreciable drop in the average price of 1930 output of Canada resulted mainly from the reduction in the price of the longer, higher priced fibres, for the decrease in the average of the remainder which formed about 85% of Canada's shipments was only about 4.37% and mainly because it was unduly low, owing to the keen competition among Canadian producers themselves in the market of this class of asbestos."

It has been said that in Russia the cost of labor is but the feeding, clothing and housing of the laboring class. This also is without foundation in fact. The wages of Soviet workers compare favorably with those prevailing

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ASBESTOS

Arizona Crude
Italian Crude
Canadian Crude
Canadian Spinning Fibre
Canadian Shingle Fibre
Russian Crude
Rhodesian Crude
South African Blue Crude
South African Yellow Crude

ASBESTOS LIMITED INC.

8 West 40th Street : New York City

Works: MILLINGTON, N. J.

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in other European countries, while workers in the U. S. S. R. receive many unusual benefits in the line of social insurance, vacations with pay, etc., which do not exist in most other countries.

Exports of Soviet asbestos, coming almost entirely from the Ural deposits, which have long been known as being among the most important existing anywhere in the world, are developing at a normal rate. In the last three fiscal years these exports from the U. S. S. R. were as follows:

1927-28	11,164 metric tons
1928-29	12,914 metric tons
1929-30	15,201 metric tons

As compared with the increase of 18 per cent in exports recorded last year, production increased 59 per cent, going from 29,000 to 46,000 tons, showing that the increased production of asbestos was used primarily for home consumption.

As to the alleged threat of competition to be offered by Soviet plants manufacturing asbestos finished products, the fact of the matter is that the Soviet Union is now importing considerable quantities of asbestos products from the United States such as brake linings, gaskets, clutch facings, cloth, tape, corrugated asbestos sheets, etc. The vast developments under way in the automotive, construction and other industries will absorb for years to come the output of Soviet asbestos products and the U. S. S. R. will continue to be a large buyer of asbestos products abroad.

It must be kept in mind that the United States exports to the Soviet Union are about five times as great as the sales of Soviet products in this country, and that no country can buy if it is not given the opportunity to sell its products. The importation into this country of Soviet asbestos is undoubtedly of mutual benefit to the parties concerned; to this country by furnishing a supplementary source of raw materials which are worked up by American workers and to the Soviet Union by providing additional funds to cover partly the large unfavorable balance incurred by the Soviet Union in its trade with this country; this amounted to $91,000,000 in 1930 according to United States Depart-

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Established in 1875

Head Office

Thetford Mines, P. Q., Canada

Mines

Thetford, P. Q.
Black Lake, P. Q.

New Mill at Thetford Mines now in operation. Shall be glad to submit samples of new grades upon request.

Agents for the Continent of Europe:

Tropische & Ueberseeische Rohprodukten A. C.

ALSTERDAMM 7 HAMBURG, GERMANY

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ment of Commerce figures (exports to U. S. S. R. $115,000,000 and imports $24,000,000).

The U. S. S. R. is now the eighth leading market of the United States products. Last year in the face of a decline of 27 per cent in the total American exports, those to the Soviet Union increased 35 per cent, the latter being the only country of the 28 listed by the Department of Commerce to increase its purchases in the United States. Any measures which tend to interfere with the development of this trade are certainly not in the interests of American industry.

It is quite likely that many of our readers will not agree with some of the statements made above. If that is the case, let us have *your* views, for, as mentioned elsewhere in this issue, the fuller discussion we have on this problem which is engrossing the minds of all in the asbestos industry, the better will all of you be able to decide the best course for your companies to pursue.

Van Hooghten & Company of Antwerp, Belgium, give their view, which is as follows:

The Russian Soviet Government has made plans for the mass production of Asbestos and will glut the markets with Siberian fibre, at prices which compromise the present and future position of the Asbestos Miners in other countries.

Canada, South Africa and U. S. A. are directly menaced by the Russian peril and are endeavoring to protect their home production. These countries can find means to make it impossible for the Soviets to sell any important quantities of their fibre in Europe or elsewhere, provided the producing countries decide to put an embargo on all imports into their territory on manufactured goods, such as shingles, sheets, board, etc., containing asbestos, no matter what their origin, and on the sale, storage or transit of such goods to be entirely prohibited. An exception should of course be made for such goods which are accompanied by an official certificate guaranteeing that no Russian Asbestos has been used under any form whatever, in the manufacture

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Allbestos CORPORATION

MANUFACTURERS OF ASBESTOS TEXTILES

SPECIALIZING IN ASBESTOS
YARNS OF SUPERIOR QUALITY
FOR
PARTICULAR REQUIREMENTS

❖ ❖ ❖

Woven Brake Lining and Allied Products
Non-Ferrous Cloth
Plain Cloth
Asbestos Tapes and Wiping Cords
Asbestos Wick and Rope
Pure Asbestos Carded Fibres

❖ ❖ ❖

Manufactured in Our Own Plant from the Raw Materials

Allbestos Corporation

21st St. and Godfrey Ave., Germantown
PHILADELPHIA, PA.

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of same, the certificate so drafted that it fully protects the interests involved.

Asbestos Manufacturers in Europe whose bulk production is destined for export to Canada, South Africa and U. S. A. would be directly affected by such measures and their export business gravely endangered unless they gave up the use of Russian Asbestos and went back to their former Canadian, South African and other suppliers of raw material. If they did this the result would be that the asbestos producing countries, outside Russia, would maintain or recover their present or former position and would be sufficiently protected against the dumping danger to allow them to work their mines on a sufficiently remunerative basis.

U. S. Tariff Commission Investigates Russian Asbestos

The U. S. Tariff Commission on March 30th, ordered an investigation of alleged unfair practices in the importation and sale of Russian asbestos in the United States.

The hearing is set for May 19th, at which testimony will be presented.

The action resulted from complaints by the Bear Canyon Asbestos Company of Ambler, Pa., and the Regal Asbestos Mines, Inc., of New York City. They said they had been compelled to close some of their mines. The complaints charged among other things that methods used in the sales of Russian asbestos had been such that buyers had been induced to break their contracts. Amtorg and Asbestos Limited, Inc., of Millington, N. J., were named in the complaints.

Canada Bans Russian Materials

On February 27th, the Canadian Government by order in Council, shut out imports of Russian coal, wood pulp, pulpwood, lumber and timber of all descriptions, furs and asbestos.

Imports from Russia into Canada during 1930 totalled $1,964,059, while exports from Canada to Russia were $1,689,550. While no restriction is placed on exports to Russia, it is supposed that they will fall in sympathy with imports.

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VERMONT ASBESTOS

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CONTRACTORS AND DISTRIBUTORS PAGE

HEAT WHERE AND WHEN YOU WANT IT

The householder who decides to use his basement for recreation purposes, is confronted by what he considers rather perplexing problems as to heating it.

If he leaves his pipes uncovered he wastes coal, finds that the basement is too hot, and has the added annoyance of heat where he doesn't want or need it—that is, in the laundry during most of the week, boiler room and cold cellar.

In other words if he has uncovered pipes he wastes a lot of heat (resulting in a waste of coal and money) and the temperature is never right. Plainly some sort of regulation of heat in the basement, just as heat is regulated in the other floors, is necessary.

This is easier than it appears to the layman and it is up to the insulation contractor to show him how to solve his problem.

Well covered pipes, an extra radiator or two and the trick is turned, with the saving in coal paying for the cost of the radiators in a very short time.

Such a system has several advantages. The social room can be heated properly and yet the boiler room, laundry, cold cellar and other parts of the cellar where heat is not needed or desired, can be kept cool.

The basement can be heated when the heat is needed and the heat turned off when no one is using the room.

Most basement recreation rooms are used only in the evening, about four hours out of the twenty-four. Why waste heat (and coal and money) for the other twenty hours, when simply a turn of the valve on the radiator will give heat when needed and turn off when the room is not being used.

The laundry provided with a radiator can likewise be regulated so that the one day of the week it is used, it can be warm and the rest of the time only enough heat kept on to prevent freezing.

Outside temperatures play a large part in the heating of the basement. When the weather is very cold more heat will naturally be required; when mild perhaps all the basement radiators can be turned off.

Plainly it is more economical, and very much more satisfactory, to use insulated pipes, and depend on radiators for the heat, than to flood the cellar at all times with heat from exposed piping.

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The Topical Index

On the opposite page we begin the publication of an index to "ASBESTOS" covering the period July 1919 (date of the first issue) up to and including December 1930. Each year hereafter, we will publish in the December number, the index for that year.

This index is an index of asbestos "topics" only — articles not directly connected with the subject of asbestos are not included. Nor is any indexing of the news columns attempted. Those articles which appear each month, such as Production Statistics, Imports and Exports, Market Conditions — are likewise left out.

The index is planned so that those interested in a particular phase of the asbestos industry may turn readily to everything printed in "ASBESTOS" on that subject. For instance, anyone interested in the subject of Asbestos used in Acoustile Treatment, can turn to the Acoustile division of the index and note that two articles have been published, viz: in the October 1923 number, page 22 "Ceilings and Walls", and in the November 1928 number, page 3, "Architectural Acoustics."

The index has been published on the center pages, and readers can therefore detach these pages if desired and keep them separately. Then when the whole index has been published (it will run in April, May and June, and possibly July) the several pages can be fastened together and the index will be complete in the form of a pamphlet.

Extra copies of practically every issue of "ASBESTOS" are in our stock here and if you find in this index some article which you would like to read, most likely we can supply the copy in which it appears. The cost of back copies is 25c each.

A "Brake-O-Meter", which is a pocket brake tester, intended for the motorist who wishes to check up regularly on the condition of his brakes, is being distributed by Johns-Manville Corporation. It is a tricky little device, just the sort of thing to appeal to the average individual, and therefore likely to do a real service in keeping brakes in good condition.

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TOPICAL INDEX

"Asbestos"

July 1919 to December 1930 Inclusive

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Acoustile Treatment
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Asb. Trade in Var. Countries
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Acid Resistance

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May 1924—19 Blue Asb. in Chem. Industry
Sept. 1929—22 History of Powhatan

Acoustile Treatment.

Oct. 1923—22 Ceilings and Walls
Nov. 1928— 3 Architectural Acoustics

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McGill University Publishes a Book on Asbestos

"The Asbestos Industry of Canada" is the title of one of a series of books published by the McGill University of Montreal, on National Problems of Canada. It discusses the economic side of the Asbestos Industry.

"The Asbestos Industry of Canada" is written by M. M. Mendels, M. A., and date of publication is December 1st, 1930.

A paragraph taken from the Introduction will give our readers an idea of Mr. Mendels' work:

> There exists the apparent paradox of an industry which is producing a commodity that enjoys favorable demand, and yet is proving unprofitable as an investment. The causes of this situation can be ascertained only by means of a thoro investigation which embraces both the internal and the external economies of the industry in Canada. This thesis aims at such investigation.

Chapter Headings are as follows:

The Economic Value of Asbestos.

The Rise and Growth of the Asbestos Industry in Canada.

Capitalization and Capital Control of the Asbestos Industry in Canada.

The Production of Asbestos.

Canada's Diminishing "Monopoly" in Asbestos.

The Manufacture of Asbestos in Canada.

Summary and Remedial Measures.

The book also contains various tabulations of production, exports, prices, etc.

Copies of this book can be obtained for 75c by addressing the McGill University, and those interested in asbestos problems will find it well worth reading.

The article on the back cover this month was sent us by George Kanzler, President of Smith & Kanzler of Elizabeth, N. J. Mr. Kanzler believed, and we agree with him, that our readers would be interested in reading this.

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ASBESTOS
MARKET CONDITIONS

General Business.

The National City Bank of New York, in its April letter, makes the following very pertinent comment on general business conditions:

"The past month has brought no marked change in the business situation. The decline in industrial activity has been halted and business, aided by seasonal influences, has shown a tendency to expand. Thus far, however, the recovery has been irregular and slow, and the question as to its permanence is still a matter of opinion rather than practical demonstration. This is to be expected at this stage, following so profound a disruption of economic conditions as has occurred all over the world."

Asbestos—Raw Material.

A correspondent sends us the following comments on the market situation in Raw Asbestos.

While shipments of asbestos from Canada have been a little better for the past month than the preceding one, still business is extremely poor and prices on some grades have been slightly reduced. This reduction in price will not add to the volume of business for buyers are not anticipating their requirements in excess of their immediate needs.

The general opinion as to the advisability of reducing output seems to be gaining ground and producers are beginning to realize that "price" does not sell asbestos if the buyer cannot use the material.

The depression that has existed for some time in the production of raw asbestos has been of much benefit to all buyers because, besides the reduction in price, the grading has greatly improved, so much so, in fact, that buyers are now finding that lower grades can be used for products which heretofore required better qualities.

Manufactured Asbestos Goods.

Textiles. The market in Textiles at the present time continues on a very confused basis. Yarns and Cloths which have been selling far down in price, show no disposition to go any higher. Until some stability is encountered

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Free of grit or talc—extremely strong

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A grade of Russian Asbestos made especially for Moulded Brake Lining and very reasonable in price.

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in the prices of Crudes, it is almost impossible to do any business in Textiles.

Brake Lining, at the present time, shows very good demand in all types of material. While it is too early as yet to say whether this is a normal spring pickup or an upturn in general business conditions, it is still very gratifying to the Brake Lining Manufacturer to see the orders coming in, and his equipment once more busy. The next month or six weeks will determine definitely whether the pickup is seasonal or actually an improvement in business.

Packings, continue very much the same as in the past. There seems to be little or no increase in business but on the other hand the price looks to be pretty well set.

Insulation. High Pressure. Magnesia sales have fallen off quite heavily, especially in the smaller sizes. Demand for larger sizes in both magnesia and the higher temperature types of covering continues fairly steady, because of the never ceasing effort on the part of plant owners to cut the cost of power production and transmission. Naturally, with home, apartment and hotel building quiet, the volume of sales of small sizes is reduced in proportion. Prices are not affected by the relatively unimportant changes in supply and demand.

Low Pressure. "A better tone to the low pressure covering market," says one of our correspondents, and adds that covering is starting up quite nicely, with prices firm.

Paper and Millboard. Business in those lines is very slack, with prices fairly firm.

Asbestos Cement Products. The shingle season is not really opened up as yet, and therefore demand is still very dull, especially as building continues inactive. The several new designs of shingles recently introduced will, it is believed, act as a stimulant to the shingle business provided, as one man put it, there is any building.

Inquiries for Corrugated are surprisingly numerous, really unusual, and most of them for large jobs. Just when this business will materialize is, of course, uncertain, but it

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is at least encouraging to find so much business in preparation.

Flat sheathing generally follows corrugated, almost every corrugated job requiring some flat material.

NOTE: The above represent the opinions of men closely in touch with the markets. If your views differ we will be glad to have your comments.

Building

The F. W. Dodge Corporation report a very healthy advance in construction during March over the preceding month, February. The March figure is $370,406,300 in contracts awarded in the 37 states east of the Rockies, while February was $235,405,100.

Comparisons with March 1930 are not so encouraging, the figure for last March being $459,119,000.

Recently J. M. High, Sales Manager of the Norristown Magnesia & Asbestos Company, had the pleasure of playing a couple of rounds of golf at the Brooklands Country Club, Detroit, Mich. The games were good ones, but the most exciting part was the Hole-in-One achieved by Mr. High. We know his friends will want to offer their congratulations.

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Africa (Rhodesia).

(Statistics published by Rhodesia Chamber of Mines).

	January 1931 Tons (2000 lbs.)	Value		
Bulawayo District				
Nil Desperandum (African Asb. Mng. Co. Ltd.)	630.00	£14,700		
Pangani (Filabusi Asb. Co. Ltd.)	10.87	217	9	2
Recompense 3 (J. S. Hancock)	11.07	138	8	
Shabanie (R. & Gen. Asb.Corp. Ltd.)	2,771.01	55,420	4	
Victoria District				
Gath's (R. & Gen. Asb. Corp. Ltd.)	281.85	5,637	2	10
King (R. & Gen. Asb. Corp. Ltd.)	669.22	13,384	10	
Regina A (Afr. Asb. Mng. Co. Ltd.)	56.25	1,062	10	
	4,430.27	£90,560	4	
January 1930	*4,775.14*	*£96,914*	*3*	*10*

Africa (Union of South).

(Statistics published by Dept. of Mines & Industries of U. of S. A.).

	January 1930 Tons (2000 lbs.)	Value	January 1931 Tons (2000 lbs.)	Value
Transvaal				
Amosite	362.87	£ 3,974	74.50	£ 714
Chrysotile	718.00	10,086	1,202.00	15,816
Cape				
Blue	511.17	12,810	594.01	18,797
	1,592.04	£26,870	1,870.51	£35,327

Canada.

(Statistics published by Dominion Bureau of Statistics).

December 1930 ..... 17,480 tons (2000 lbs.)
December 1929 ..... 19,731 tons (2000 lbs.)

The total production (Sales and Shipments) of Canada during 1930 was 242,112 tons as reported in our March issue.

January 1931 ..... 12,807 tons (2000 lbs.)
January 1930 ..... 17,117 tons (2000 lbs.)

Cyprus.

Total production of Cyprus for 1930 was 7,096 tons (2240 lbs.) or 7,947 tons of 2000 lbs. each. Cyprus production in 1929 was 15,790 short tons.

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Russia.

Recently we have received figures covering production in Russia these having been taken from the Soviet Union Year Book, and from Plannovoe Khoziastvo, the monthly organ of the State Planning Commission and sent to us by W. A. RuKeyser. While the figures were given to us in metric tons we have converted them to short tons for the convenience of our readers.

Fiscal Year (Ending Sept. 30)		Calendar Year (Ending Dec. 31)	
1921-22	3,653.05 tons	1913	24,816.3 tons
1922-23	4,629.7 "		
1923-24	9,183.34 "		
1924-25	11,023.1 "		
1925-26	19,789.77 "		
1926-27	23,699.66 "		
1927-28	28,660.06 "	1928	30,313.52 "
1928-29	31,966.9 "	1929	42,659.39 "
1929-30	50,706. "	1930	62,390.75[1] "

[1] Preliminary.

AUTOMOBILE PRODUCTION

Production of motor vehicles in the United States and Canada during February amounted to 229,768, quite an increase over January when the total was 178,347.

The February total included 189,264 passenger cars and 40,504 trucks and taxicabs.

WAGE RATES

Pittsburgh, Pa. Asbestos Workers (mechanics) in the Pittsburg District, now receive $1.70 per hour instead of $1.56¼ as previously; the helpers rate being 50, 60, 75 and 90c for the first, second, third and fourth years respectively. The new rate was made effective December 1, 1930.

Rochester, N. Y. In Rochester the rate for Asbestos Workers is now $1.26½c, having been advanced from $1.21¼c on January 1, 1931.

Improper use of brakes immediately after new brake linings have been installed, improper installation of brake linings because of the lack of modern machinery in brake service stations, and use of a poor grade of steel for brake drums on many inexpensive makes of cars, are given as the principal reasons for 90 per cent of the brake troubles suffered by the American motoring public.

FOREIGN AGENCY DESIRED
For
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STONE INDUSTRIAL EQUIPMENT COMPANY
SPRINGFIELD, MASS.

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AMERICAN ASBESTOS COMPANY

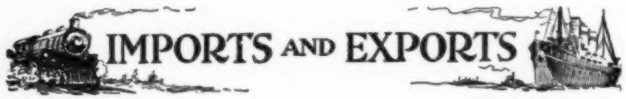
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Asbestos Textiles

NORRISTOWN, PA., U. S. A.

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

WRITE FOR PRESENT PRICES

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Imports Into U. S. A.

Unmanufactured Asbestos.

	February 1930 Tons (2240 lbs.)	Value	February 1931 Tons (2240 lbs.)	Value
Africa (Br. S.)	119	$ 18,054	55	$ 8,206
Africa (Port. E.)	134	55,567	..	...
Canada	12,966	413,003	10,265	313,711
Germany	2	1,268	54	6,043
Italy	.	..	1	917
United Kingdom	.	25	25	4,080
	13,221	$487,917	10,400	$332,957
Tabulation of Crude only:				
Africa (Br. S.)	119	18,054	55	8,206
Africa (Port. E.)	134	55,567	..	...
Canada	155	48,530	18	6,000
Germany	2	1,268	54	6,043
Italy	.	..	1	917
United Kingdom	.	25	25	4,080
	410	$123,444	153	$25,246
Other Grades:				
Mill Fibre (Canada)	3,783	213,731	4,154	213,998
Lower Grades (Canada)	9,028	150,742	6,093	93,713
	12,811	$364,473	10,247	$307,711

Manufactured Asbestos.

	February 1930 Pounds	Value	February 1931 Pounds	Value
Yarn—				
United Kingdom	502	$ 175	2,656	$ 1,471
Fabrics, Woven—				
Germany	2,804	1,687	334	76
United Kingdom	6,411	4,695	...	..
Packing, Fabric—				
Germany	1,626	947	2,419	1,459
United Kingdom	...	...	2,061	1,900
Packing, Not Fabric—				
Austria	30	9	...	...
Germany	2,190	829	3,532	981
Netherlands	1,000	240	...	...
United Kingdom	10,913	4,899	4,570	1,507

Paper and Millboard—None

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	February 1930 Pounds	Value	February 1931 Pounds	Value
Shingles, not impregnated, etc.—				
Belgium	593,935	9,183	120,132	1,801
Netherlands	13,041	151	...	...
France	...	...	36,667	467
Shingles, impregnated, decorated, etc.—				
Belgium	...	...	15,550	285
Lumber of Asbestos Cement—				
Canada	38,935	1,751	...	...
Italy	79	9	...	...
Brake and Clutch Lining, Woven—				
United Kingdom	...	...	200	371
Brake and Clutch Lining, Molded or Pressed—None				
Articles in part of Asbestos, not impregnated, etc.—				
Italy	...	...	5,227	155
Articles in part of Asbestos, impregnated, etc.—				
France	...	...	198	17
Pipe Covering and Cement—				
United Kingdom	...	...	61,016	7,233
Other Manufactures—				
Canada	85	23	..	..
France	24	165	..	..
Italy	5,886	317	..	..
Switzerland	...	..	10	45
United Kingdom	19	23	129	71
	677,480	$25,103	254,701	$17,839

Exports from U. S. A.

Exports of unmanufactured Asbestos during the month of January [1] 1931 amounted to 210 tons valued at $13,323; during the same month in 1930 7 tons were exported, valued at $2,600.

Exports of Manufactured Asbestos Goods:

	January[1] 1930 Pounds	Value	January[1] 1931 Pounds	Value
Paper, Mlbd. and Rlbd.	231,545	$17,449	86,889	$ 6,570
Pipe Covering & Cement	892,425	64,088	214,129	10,306
Textiles, Yarn & Packing	203,394	92,439	117,226	61,422
Brake & Clutch Lining	640,122[2]	127,933	...	...
Molded and semi-molded	...	...	...	5,323
Not molded	...	...	192,668[2]	25,347
Magnesia & Mfrs. of	274,837	23,060	259,148	15,851
Asbestos Roofing	11,912[3]	53,427	3,417[3]	21,565
Other Manufactures	430,091	44,478	276,665	19,367

[1] Exports one mo. behind imports. [2] Lin. Ft. [3] Squares.

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Asbestos Fibre

for the manufacture of

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

THE QUEBEC ASBESTOS CORPORATION

Office and Mines
EAST BROUGHTON, PROVINCE of QUEBEC
CANADA

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Exports of Raw Asbestos from Canada.

	February 1930		February 1931	
	Tons (2000 lbs.)	Value	Tons (2000 lbs.)	Value
United Kingdom	171	$ 19,296	120	$ 10,375
United States	4,265	251,357	4,468	210,068
Australia	265	29,500	...	...
Belgium	85	3,725	291	18,836
France	548	42,575	245	27,084
Germany	91	20,834	139	12,977
Italy	..	...	391	34,878
Japan	1,673	88,655	257	14,097
Spain	22	1,210	...	...
	7,120	$457,152	5,911	$328,315
Sand and Waste—				
United Kingdom	110	2,540	30	625
United States	9,053	143,342	6,462	89,818
British India	..	...	60	660
France	60	1,500	30	600
Japan	5	125	35	825
	9,228	$147,507	6,617	$92,528
	16,348	*$604,659*	*12,528*	*$420,843*

Imports and Exports by England.

Imports of Raw Material.

	February 1930		February 1931	
	Tons (2240 lbs.)	Value	Tons (2240 lbs.)	Value
From Rhodesia	1,513	£59,187	1,140	£31,495
From Canada	205	4,490	202	3,210
From Other Countries	764	19,526	880	16,520
Total	2,482	£83,203	2,222	£51,225
Re-Shipments	259	8,126	258	8,167
Exports of Manufactured Asbestos Goods:				
To Netherlands	100	6,365	48	3,756
To France	94	7,372	23	3,176
To United States of America	8	2,396	1	608
To British India	601	13,029	423	10,150
To Australia	28	5,797	10	2,261
To Other Countries	769	67,163	1,251	54,152
	1,600	£102,122	1,756	£74,103



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New Products

(Or Variations of Old Ones)

Samples of the articles described may be obtained by addressing the manufacturers thereof.

The Salem Shingle — A New J. M. Product.

A new development in Asbestos Cement Shingles is the Johns-Manville Salem Shingle, designed to resemble in appearance the aged hand hewn wood shingle roofs of early New England, but having, of course, all the advantages of an asbestos cement product — fireproofness, durability, etc.

This shingle is made in eight blending colors — weathered gray, weathered black, olive green, sea green, forest brown, autumn brown, grenada red, touraine red,— and in random widths and varying thicknesses, which combined on a roof give such an admirable appearance.

The sample in our office, which is in weathered black, can perhaps be most adequately described by saying that it closely resembles a hand-split wood shingle — deeply scored with adze marks — and weathered to a deep, rich gray.

The Salem Shingle is one more added to the list of asbestos products designed primarily for appearance.

Multibestos Company Perfects a Flexible Molded Brake Lining.

Last summer, the Multibestos Company of Walpole, Mass., was acquired by a younger company but one whose growth within a comparatively few years has been amazing—Dewey and Almy Chemical Company of Cambridge, Mass. This company has branch factories and warehouses in Farnham, Que., London, Eng., Oakland, Calif., Naples, Italy, and Frankfurt, Germany.

The Dewey and Almy Chemical Company is already one of the World's largest importers of rubber Latex and manufactures a number of different products containing Latex. They are one of the outstanding manufacturers of can sealing compounds and recently introduced a new Latex Bonded felted fibre sold under the name of *Darex*.

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CYPRUS ASBESTOS

A true Chrysotile fibre of great tensile strength, exceptionally clean and well graded, suitable for the manufacture of—

Asbestos-cement pipes, sheets and shingles
Asbestos millboard
Moulded brake lining
Etc., etc.

APPLY FOR SAMPLES AND PRICES TO SOLE AGENTS—

CYPRUS TRADING CORPORATION, Ltd.
49, ST. JAMES'S STREET
LONDON, S. W. 1

BECKER & HAAG

RAW ASBESTOS

STOCKS
OF ALL GRADES
HAMBURG
ROTTERDAM

BERLIN S W 11
BERNBURGERSTR 31
Cable Address
Canada - Berlin

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That these two companies should have become associated was only natural, for the chemists of Dewey & Almy Chemical Company had been successful in developing a method of using Latex in brake linings and clutch facings.

The result is a new, scientifically developed, flexible moulded brake lining—Multibestos LX (Latex Bonded), secured by basic patents. This brake lining has, in a number of laboratory and road tests, more than fulfilled expectations. Its sales are said to be mounting daily, and it is the opinion of the manufacturers that the flexible molded brake lining has come to stay.

This type of brake lining is said by the manufacturers to be better adapted to the modern type of braking mechanisms—internal expanding—than the woven lining.

For this reason the Multibestos Company is making some changes in its manufacturing setup, by decreasing the production on woven lining to make room for the new Multibestos flexible moulded lining. It is said that the demand for Multibestos LX is taxing production to the utmost.

ASBESTOS STOCK QUOTATIONS

	Par	Div.	March 1931 High	Low	Last
Asb. Corp. (Com.)	np	–	.50	.40	.50
Asb. Corp. (Pfd.)	100	7	1¼	1¼	1¼
Carey (Com.)	100	8	No Sales in March		
Carey (Pfd.)	100	6	120	120	120
Certainteed (Com.)	np	–	7¼	3¾	5
Certainteed (Pfd.)	100	7	?	?	24½
Garlock Packing (Com.)	np	–	18¼	16	16
Garlock Pkg. (6s Deb. 1939)	100	6	92	90	90
Johns-Manville (Com.)	np	3	80¾	66½	70
Johns-Manville (Pfd.)	100	7	125	122½	123⅜
Raybestos-Manhattan Inc. (Com.)	np	–	29½	23	27¾
Ruberoid (Com.)	np	4	42	36	39
Thermoid (Com.)	np	–	7¾	5⅝	6
Thermoid (Pfd. convt.)	100	7	46	40	41
Thermoid (6s 1934)	100	6	79¾	73¾	75

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NEWS OF THE INDUSTRY

Birthdays. Congratulations and best wishes are extended this month to the following gentlemen on the occasion of their birthdays: F. C. Edson, President, Asbestos Manufacturing Company of Huntingdon, Ind., whose birthday occurs on April 18th; George A. MacLellan, Managing Director, George MacLellan & Co., Glasgow, Scotland, April 19th; H. H. Robertson, President, H. H. Robertson Co., Pittsburg, Pa., April 21st; J. Carroll Johnston, President & Treasurer, Atlas Asbestos Company, North Wales, Pa., April 28th; John Lotz, Jr., President, Lotz Asbestos Company, Hartford, Conn., April 29th; G. A. MacArthur, Secretary & Treasurer, Twin City Pipe Covering Co., Minnesota Transfer, Minn., May 6th; George S. Fabel, General Manager, Southern Asbestos Co., Charlotte, N. C., May 7th; L. L. Cohen, President, Union Asbestos & Rubber Co., Cicero, Ill., May 7th; A. M. Ehret, President, Ehret Magnesia Mfg. Co., Valley Forge, Pa., May 15th.

Russell Mfg. Company of Middletown, Conn., recently appointed Galen B. Moore their factory representative in the Tacoma territory. Mr. Moore was formerly manager of the brake department of the Commercial Tire Company of Seattle, Wash., He was educated in Boston, and has been in the brake business in Seattle since 1928.

A new wall chart, showing safe and unsafe stopping distances at 20 miles per hour for cars with two-wheel and four-wheel brakes and a table of instructions designating which type of Rusco brake linings is best suited for individual brake installations, is being distributed by the Russell Manufacturing Company to its 40,000 service stations and garages thruout the country.

The Thermoid Rubber Company of Trenton, N. J., announce that John H. Kelly, has joined their staff. Mr. Kelly started with B. F. Goodrich Company in 1898, and from there went to the Republic Rubber Company where he rose to Vice President in Charge of Sales by 1912. Later he became President of the Hewitt Rubber Company and when this organization entered the Gutta Percha Rubber Mfg. Co.-Robins Conveying Belt Co. merger, he assumed the Vice Presidency in charge of sales. Since 1928 when Mr. Kelly was forced to retire from active duty due to a serious illness, he has been doing special counselling work. His wide acquaintance thruout the country among distributors, railroads and large industrial users of rubber products will be particularly valuable to Thermoid in the expansion planned for their Mechanical Rubber Goods Division.

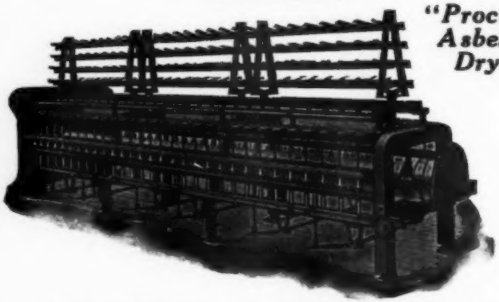
Sydney L. Plant, who is widely known among our readers as the former President of the Plant Rubber & Asbestos Works, San Francisco, Calif., and who is now acting as Manufacturers' Rep-

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ASBESTOS YARN MACHINERY

"Smith-Furbush"

"Proctor" Asbestos Dryers



PROCTOR & SCHWARTZ, INC.

Formerly Smith & Furbush Machine Co.

Seventh St. & Tabor Rd., Philadelphia, Pa.

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, STEM AND HIGH PRESSURE
WICK AND ROPE

ASBESTOS FIBRE SPINNING COMPANY

NORTH WALES, — PENNA.

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resentative in that city, left on March 18th for a vacation trip to the South Sea Islands. He will be absent for several months.

Philip Carey Mfg. Co., and subsidiaries report a net profit of $879,427 for the year ending December 31, 1930, after depreciation and taxes. This was equivalent, after dividend requirements on 14,973 shares of 6% Preferred, par $100, to $11.05 a share earned on the 71,400 shares of common stock, par $100, outstanding on December 15, or $9.87 a share on 80,000 shares outstanding December 31, after giving effect to offering of stock to stockholders and employes. This compares with a net profit of $1,527,264 in 1929, equal to $20.12 a share on the 71,400 common shares.

C. V. Smith, formerly Chief Engineer for the Asbestos Corporation, Limited, is now in Russia, having been engaged by Amtorg Trading Corporation as Consulting Engineer to assist in the development of the asbestos properties of the "Uralasbest" at Bejnovo Mines, Sverdlovsk, U. S. S. R.



Mr. Smith graduated from Rutgers University, New Brunswick, N. J., as civil enginer. He has had a number of years experience in the United States, and was with the Asbestos Corporation Limited, Thetford Mines, for the past seventeen years, first as engineer and then as Chief Engineer.

Mr. Smith left New York for the Ural Mountains on December 16th, 1930, sailing on the Europa.

The Thermoid Company. Robert J. Stokes, President of the Thermoid Company, has been named vice-president of the Woven Steel Hose & Rubber Company, Trenton, N. J., and Joseph O. Baur, of the Thermoid organization, has been appointed secretary-treasurer of Woven Steel Hose. Horace B. Tobin retains his position as president of the Woven Steel Hose & Rubber Company, which was recently acquired by the Thermoid Company.

The Burkhardt Paper Mills, Inc., is the title of a company formed by C. R. Burkhardt for the manufacturing of Asbestos Paper in Niagara Falls, N. Y.

The Australian & General Asbestos Company, states in its report for 1930 that it was unsuccessful with recent negotiations to raise £30,000 of additional capital. This sum was needed to provide for a monthly production of about 300 tons. An issue of 8% 3 year Notes was also proposed but the response was not sufficient to warrant proceeding with the issue. Further efforts to obtain capital have been made, but owing to the depression in England and generally unsettled conditions in Australia, the

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necessary finance has not, so far, been arranged. The Company holds seven mineral leases, with a total area of 294 acres, and expenditure on development amounts to £4,440.

Oy. Kimmos A. B., has recently been organized in Helsingfors, Finland, and is manufacturing wall and flooring plates chiefly of asbestos, the chief characteristics of which are permanence and cheapness. Any tint can be used in the manufacture of these floors, which, it is stated, are practically incapable of wearing out, but which are cheaper than parquet floors, costing about as much as a covering of best quality lineoleum. A great number of factories, warehouses, hospitals, schools, restaurants, churches, etc., have already been fitted with these asbestos floors.

Turner & Newall, Ltd. According to a recent issue of the South African Mining & Engineering Journal, restriction of output is in force on all the chrysotile mines of the Company, including their Rhodesian mines and the New Amianthus. In the Blue district, the Montana Mine remains inactive, and the development at the Havelock Mine, Swaziland is suspended.

The Vermont Asbestos Corporation resumed full time operation of their quarry and mill at Eden, Vt., on Monday, March 30th. The plant has been shut down since the first of January for repairs and the installation of new equipment. Shipments during the last three months have been made without delay from stock on hand.

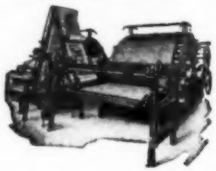
The Asbestos Brake Lining Association held its regular monthly meeting at the Westinghouse Lighting Institute, Grand Central Palace, New York City, on Wednesday, March 11th, 1931. Previous to the business meeting the members of the Association heard a very interesting illustrated lecture on lighting and the effects of lighting.

It was announced at this meeting that the 1931 Edition of the Asbestos Brake Lining Association Data Book is ready to go to press and according to schedule will be available to the public about the middle of April.

This new edition of the Data Book has a number of radical changes in its set-up, the most important being the listing of the catalog numbers as well as the dimensional information for the respective models of vehicles on each page. This applies to both brake linings and clutch facings. In addition to the data information, the 1931 Data Book has a preface page explaining the various systems of catalog numbers and their application to the several brake systems and types of linings. To further simplify the reading of the Data Book, the abbreviations used for locational information have been standardized so that a minimum number of abbreviations have been used.

The Data Book Committee of the Asbestos Brake Lining Association has expended considerable effort to make this issue of the Data Book not only more complete but of greater service to the motoring public.

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A Broad Service

at your command!

Whitin Sales Engineers are assisting many asbestos yarn manufacturers in solving minor and major production problems. Their practical experience is yours to command, without obligation.

WHITIN SERVICE TO ASBESTOS YARN MANUFACTURERS

includes engineering counsel, installation and service on the following equipment:

Breaker and Finisher Full Roller Cards
Automatic Card Feeds
Camel Back Feeds
Derby Doublers
Condensers
Spinning Frames
Ring Twisters
Flyer Twisters
Card Roll Grinders
Card Grinding Rolls

WHITIN MACHINE WORKS
WHITINSVILLE, MASSACHUSETTS, U. S. A.
Charlotte, N. C. **Atlanta, Ga.**

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TRADE MARKS

Raidtbestos. Serial No. 310,226. Raybestos-Manhattan, Inc., Passiac, N. J. For Brake Lining and Clutch Facings. Passed on March 17th.

Blackstone Asbestos Roof Coating. Serial No. 310,494. Standard Oil Co. of California, Wilmington, Del., and San Francisco, Calif. For Roof Paint. No claim made to the words "Asbestos Roof Coating." Passed on March 17th.

Krespac. Serial No. 309,597. Charles Laurence Willis, Brooklyn, N. Y. For asbestos packing for packing glands and valve stems of engines, radiators, pumps and similar uses.

Protos. Serial No. 255,938. Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. For rolled girders, rolled columns, cast girders, cast columns and asbestos in the form of stamped or pressed sheets and disks for thermal insulation, etc. Passed on March 31, 1931.

PATENTS

Note: In our March issue, two lines were left out at the top of page. 52. The first paragraph on the page mentioned should have read as follows:

Method and apparatus for Making Seamless Pipes. No. 1,786,215. Granted on December 23rd, to Adolfo Mazza, Genoa, Italy. Assignor to Johns-Manville Corporation, New York. Filed Nov. 12, 1924. Serial No. 749,556, and in Italy September 10, 1923.

Cleaning, Classifying & Grading Apparatus for Asbestos and Other Minerals. No. 1,790,429. Granted on January 27th, to Roger Q. Kyle, Globe, Ariz. Filed May 22, 1929. Serial No. 365,054.

Described as the combination of a bumper post, a pair of horizontal strips fastened to said bumper post, sets of spaced vertical strips fastened to said horizontal strips, pulleys mounted between said vertical spaced strips, an element mounted contiguous to said bumper post cables passing over said pulleys and fastened at one end to said element, weight guiding receptacles contiguous to said bumper post, weights, fastened to the outer ends of said cables and slidably mounted within said guiding receptacles, whereby said element is drawn against said bumper post, drawing part of its movement and means for moving said element away from said bumper post.

Asbestos Tape. No. 1,793,766. Granted on February 24th to John Allen Heany, New Haven, Conn., assignor to Worldbestos Corporation, Paterson, N. J. Filed Oct. 30, 1923. Serial No. 671,807.

Described as an insulation strip comprising a layer of paper, a layer of asbestos and an adhesive between said asbestos and paper.

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We are in the market for

Metallic Yarn or any other grades of Asbestos Waste

Send Samples

E. GROSS & CO., INC.

HARTFORD CONN.

ELWOOD J. WILSON

Incorporated

350 Madison Avenue - - NEW YORK, N. Y.

AT 45TH STREET

ASBESTOS CRUDES AND FIBRES

The Expert Examination of Asbestos Properties

In the market for large or small quantities of

METALLIC YARN WASTE
ASBESTOS TEXTILE WASTE
SCRAP CLOTH—YARN CUTTINGS
LOOM SWEEPINGS
CARDROOM STRIPPINGS

Please send samples, stating quantities, to

NEWARK WASTE CO.

55 to 59 River Street NEWARK, NEW JERSEY

PAUL RODE

STADTHAUSBRUCKE 15

HAMBURG GERMANY

Cable Address: PARIMASCO

In the market for

ASBESTOS CRUDES & FIBRES

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THIS AND THAT

There is supposed to be on the market a substitute for asbestos board known as "Crolite" or "Isolantite." The material is said to be hard enough to prevent brazing by glass and that "it does not appear to cause cracks in glass by chilling." If any of our readers know of such a material, please advise us the name and address of the manufacturer.

One brake lining manufacturer deplores the many different sizes which it is necessary to manufacture in order to take care of old and new car wants. Could not pressure be brought on car designers, possibly thru the National Automobile Chamber of Commerce, so that the various cars on the market would use as far as possible uniform specifications for brake lining. If new models could be designed with brakes taking the same size lining as the old models that would also lessen the evil.

Regulations of the National Board of Fire Underwriters for Dry Cleaning and Dry Dyeing Plants, contain the following requirement:

"At each entrance to the dry cleaning and dry dyeing rooms there shall be provided an asbestos blanket not less than 7 x 7 feet and a boat hook with a handle at least six feet long, both to be kept on a convenient rack."

Suggested Fire Prevention Ordinance recommended by the Board in 1930, however, requires "standard, self-closing fire doors."

When the Lyceum Theatre of Paterson, N. J., was destroyed by fire on March 22nd, the asbestos curtain lowered by firemen saved the stage and the dressing rooms.

One of our readers inquires for the name of the manufacturer or distributor of a packing called "Aso". We are not certain whether it is an asbestos packing or not. If anyone is familiar with Aso Packing, please write us.

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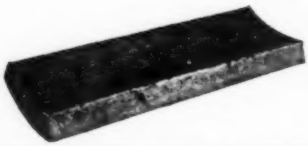


85% MAGNESIA PIPE & BOILER COVERINGS.

HIGH TEMPERATURE INSULATION AND CEMENTS.



SEVERAL VALUABLE TERRITORIES OPEN FOR DISTRIBUTORS



AIR CELL, WOOL FELT, CORK, ASBESTOS CEMENT

Ehret Magnesia Manufacturing Co.

EXECUTIVE OFFICES AND FACTORIES

VALLEY FORGE, PA.

BRANCH OFFICES

NEW YORK PHILADELPHIA CHICAGO

REPRESENTATIVES

IN ALL PRINCIPAL CITIES AND COUNTRIES

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Business Forecasts for 1931

BY WILLIAM TRUFANT FOSTER
AND WADDILL CATCHINGS.

A GROUP of financial statisticians met in New York city on Nov. 4. They were experts in forecasting business. This is what eight of the experts said:

"The farmers will not buy much from the proceeds of this harvest; and, with price declines in process throughout the world, there would seem to be little prospect of any extensive business revival in the near future."

"No great change in business is in prospect. The general prospect is for slow and irregular business for ten years."

"I expect to see a long and slow recovery to a general level of subnormal, slow business.

"Prices will advance a little from present levels and then fall once more. Recovery will be slow."

"Conditions abroad will continue to affect our business conditions here. It is a conservative estimate to say that ten years must elapse before we can see genuinely prosperous business in this country."

"Business will come back to fair, slow operation in three years."

"The period of readjustment will be long. It will take at least ten years."

"We may expect a slow return to a basis in which business can be done at a profit in about three years."

Those pessimistic forecasts were all made on Nov. 4. But it was Nov. 4 of the year 1921. At that very time business was actually improving though the experts did not know it. Within four months the gain was so marked that everybody could see it. Within sixteen months business was so far above normal that the experts got frightened again.

Right now the major factors are even more favorable to rapid recovery of business than they were at the close of the year 1921.

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The Robinson Press
Hatboro, Pa.

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