ASBESTOS

A MONTHLY MARKET JOURNAL



Christmas Number

1933

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Experience, knowledge, facilities, resources: these essential factors enable us to design and make asbestos textiles of every character and for all purposes.

General Asbestos & Rubber Division
of
RAYBESTOS-MANHATTAN, Inc.
NORTH CHARLESTON, S. C.

..ASBESTOS..

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

A. S. ROSSITER, *EDITOR*

PUBLISHED BY SECRETARIAL SERVICE

16th FLOOR INQUIRER BUILDING

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 XV | DECEMBER 1933 | Number 6

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SUBSCRIPTION PRICE

U. S. AND MEXICO	$2.00 PER YEAR
FOREIGN COUNTRIES (INCLUDING CANADA)	3.00 " "
SINGLE COPIES	.25 EACH

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Ore Train under Loading Hopper at King Mine

This, we thought, was rather an unusual picture, altho the scene will be familiar to anyone who has ever visited the Thetford mining area.

It depicts an ore train under the loading hoppers which receive the ore hoisted from the quarry at the King Mine by cableway derricks.

The new system of underground mining at King's has now replaced the former method of open quarry and consequently the cableway derricks are no longer being used, having been replaced by hoists operating thru a vertical shaft from the underground workings thru the pit bottom and inclined up the face of the open pit to the loading hoppers.

The King Mine is one of the oldest asbestos mines in Canada. It has been operating since 1878. The huge pit has been worked to such a depth that when one stands at the top men working in the pit bottom look like pigmies.

The mine is one of the Asbestos Corporation Limited properties.

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Make Christmas Really Merry



Christmas will soon be with us once again!

This year, with all its troubles, its new experiences and experiments, is drawing to a close. It has been a good year in many ways, one in which we were all put on our mettle again and again, and so far we have come out triumphant. The Code is signed! Work under it has at least begun.

Let us then just for a day—Christmas Day—forget the petty annoyances and the larger, harder trials, and use this day to give joy to someone, children, neighbors, strangers within our gates.

Let us make this Christmas a real day of peace on earth, goodwill to men.

Let us not only wish others a Merry Christms, but do all we can to make Christmas merry for those with whom we come in contact.

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Automatic Mechanical Control and direct White Water System

By Melvin R. Ware[1]

It is more than just an unfortunate coincidence that most of us superintendents have begun our careers at the wrong end of the paper mill. How many of us have started our career at the paper machine instead of the beater room? This condition, however, developed among us and was not altogether of our own choice. In the old days we worked exactly when and where the Superintendent said we should work, or we didn't work at all. There was no voice of labor, or arbitration on the part of employee and employer.

It was customary that promotion to the position of Superintendent came from the paper machine, which, without a doubt proved to be quite a handicap, as it usually left the superintendent without a direct knowledge of the beater room operation. Frankly, I believe this condition to have been the cause for many of the difficulties experienced in the earlier days. There would be just as much logic attached to disregarding the character and quality of material in an automobile and at the same time insisting upon a careful fitting of parts, as there would be in starting an apprenticeship in the middle of the papermaking process.

The inefficient condition of our present day beater rooms in some of our best mills, has, I believe, been caused by this handicap. Our present day management has been rather inclined to let well enough alone, or to sacrifice on beater room equipment for the sake of some other needed improvements at the paper machine. Feeling that one can "get by" with the old equipment a while longer, however, is a mistake, the fact of which cannot be too strongly emphasized. Some of our best mills are equipped with the most modern paper machines available and yet they are still trying to get along without proper beating equipment.

Concerning beater room equipment, we will first consider the batch system of operation. This method was prob-

[1]Mr. Ware read this paper at the fall meeting of the American Pulp & Paper Mill Superintendents Association, and while it was primarily designed for paper mills in general, it applies equally to asbestos paper mills.

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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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ably capable of handling most grades of paper up to the production requirements of say twenty-five years ago, and on certain specialty work it suffices today. But it is wholly inadequate for the majority of present day operations. This is substantiated by the fact that the greater the machine speed, or production, the greater the stuff chest capacity requirement for offsetting irregularities of the various beaters.

With the preceding facts in mind, we are inclined to favor the continuous system of beating. Granting that some of us have had sad experiences with certain of these beating systems we still insist that a *properly* controlled continuous operation is far superior to any batch system. As a matter of fact no continuous operation *can be* successful without provision for a complete control.

Having definitely established these facts by extensive research we next raise the question, why not control the entire paper-making process? Whereupon, we conduct further research work and discover that the complete process *can be* controlled and as a result we develop the *direct* white water system as not only the simplest but the most logical system to use, since there are other advantages in efficiency over the conventional types or commonly known processes of white water utilization.

In running tests on a continuous beating system we have found that there are several factors having a direct bearing upon the efficiency of a continuous operation of the entire paper-making unit, first the general condition of the stock entering the breaker beater, the temperature of the white water, the construction of the beaters, the consistency of stock, the level of stock in the various beaters, the speed of the fly bars and the roll setting, all have a direct bearing upon the efficiency of operation as well as the quality of production.

As to controlling the furnishing and beating of stock, the proper control methods makes possible the operation of a direct white water system. During the tests we were successful in operating a machine on rag roofing stock for several weeks without any white water losses, except that which was evaporated at the dryers. To compensate for this, we added water at the breaker beater. White water was used on all showers. This resulted in quite a saving,

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From

CRUDE ORE

to

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 assure prompt and efficient service.

In a hundred ways Johns-Manville products contribute to the comfort of modern life and to the efficiency of industrial establishments. Packings, high temperature insulations, refractory cements, low pressure insulations, asbestos roofings, brake linings and industrial friction materials, flooring and acoustical treatment form some of the major items manufactured by Johns-Manville.

Through constant research in the J-M Laboratories, scores of other items have been developed, important to the economic and physical welfare of people throughout the country.

Johns-Manville

EXECUTIVE OFFICES: NEW YORK

Branches In All Large Cities

JOHNS-MANVILLE JM PRODUCTS

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not only in fibre reclamation but in power for beating and steam for drying, due to the beat units returned in the white water by way of the *direct* system. The stock was freer for better formation and seemed to give up moisture more readily at the presses giving a pre-dryer effect.

In addition to the beater control and direct white water system we propose to control the entire operation from the feeding of raw materials, white water and other ingredients, to holding the sheet of paper within tolerance. A description of the operation follows:

The Paper Machine. An automatic micrometer is located at the most advantageous point along the course of sheet travel. This mike actuates a measuring device in the machine stuff box controlling the sheet within a given tolerance.

The Float Controls. There is a float in the machine stuff chest which actuates another measuring device, or gate on the last beater in line maintaining a fixed level in the machine chest.

And still another float in the last beater of the line regulates the flow from the preceding beater, and so on back to the first beater.

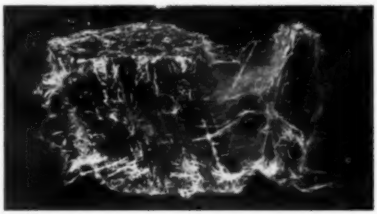
There is also a float in the first, or breaker beater which will regulate a master furnishing device,—this will be referred to later.

The Direct White Water System. By direct we mean the elimination of all surplus white water as carried in settling tanks and baffle tanks, etc. In other words, we will only require sufficient water to fill the system and to dilute stock first at beaters, and last at the vats and head boxes for forming the sheet of paper.

It is, of course, necessary to use white water on all showers, or bypass a certain portion of it. A tank or sump of sufficient capacity to take care of shut downs would be required. This water will be filtered as collected from the paper machine and returned *directly* to the showers and beaters. The beater water pump will draw from the lowest point where a sump will be provided with a float valve connection to the fresh water lines. This valve will supply water to compensate for that which is evaporated at the dryers, this being the only water leaving the system.

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Our own mines



are the source of all asbestos used in the manufacture of Keasbey & Mattison products. *You are assured of the same high-quality crudes and fibres!*

Keasbey & Mattison entirely own and operate the Bell Asbestos Mines, Thetford, Canada. Here, in the serpentine rock strata, is mined the finest chrysotile—uniform, strong, of excellent appearance, long-fibred. All grades.

Buying from this one source means prompt delivery, less bookkeeping. Dealing directly with us — with our wide and long experience in the manufacture of asbestos textiles, building products and insulating materials — results in an intelligent understanding of your requirements.

Write for the samples of the grade asbestos you are interested in, and for the interesting booklet, "Asbestos Milling and Dressing for the Market," which tells all about advanced methods of modern asbestos production.

To Asbestos Houses and Insulation Contractors. There is still room in certain localities. Write for complete details if you appreciate factory and sales co-operation and wish to better your business conditions.

KEASBEY & MATTISON CO.

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Via Malta 13 Russo
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S. KAWASAKI & CO., LTD.
No. 3 Isokami Dore 1 Chome
Kobe, Japan

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The Master Control. Getting back to the float controls, the float in the first, or breaker beater will actuate a variable speed unit driving the feed hopper, or device for feeding the raw materials to the first beater. This same variable speed device will drive a device feeding the sizing, color, etc. Each of these feeding devices have individual regulating mechanisms. They will, however, be so proportioned as to furnish a definite percentage of the total furnished, so that when the master control speed is increased due to increasing machine speed, the proportions will remain the same, and individual regulations will only be required when changing grades, etc.

The system is designed for complete automatic operation; to eliminate the personal element in the blending of stock, etc.; to provide a more uniform and standardized product, with less waste in off weight and poor quality and a saving in steam for drying by retaining heat units built up in the white paper by the *direct* system. A more rapid disintegration and a better balanced power demand would be an additional realization.

It will not be necessary for the machine tender to notify the beaterman when he is starting or stopping production as the floats automatically admit the stock or shut it off at each unit from the machine stuff box back to the original source of supply.

In November we published a brief note to the effect that at the Valley Arena near Holyoke, Mass., asbestos cloth was used for covering a dance hall floor. One of our readers was kind enough to investigate this and found that the covering used was regular canvas duck such as is used for making awnings and tents, and this duck was treated with a chemical solution to make it flameproof and waterproof. It does seem, however, that asbestos cloth might serve the same purpose. If it would quite a large field would be opened up as this floor used a ton of the canvas duck.

In the Market for Large or Small Quantities of
Metallic Yarn Waste—Asbestos Textile Waste—Scrap Cloth
Yarn Cuttings — Loom Sweepings — Cardroom Strippings
NEWARK WASTE CO.
47-49-51 Adams Street NEWARK, N. J.

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ASBESTOS

Arizona Crude
Canadian Crude
Canadian Spinning Fibre
Canadian Shingle Fibre
Cyprus Asbestos
Italian Crude
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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Nineteen Thirty-Three

It isn't hard to select the event of most importance to the Asbestos Industry during 1933. Everyone will agree, we believe, that the formation of the Asbestos Institute and the signing of the Asbestos Code ranks first in importance, with no very close second, during the past year.

The Asbestos Institute is the first organization of the Asbestos Industry as a whole, and while its immediate purpose was the development and signing of the Asbestos Code, that will undoubtedly be but the beginning of its work in connection with industry affairs.

As we glance over the record for the year we notice that several of the important developments in the Asbestos Industry are attributable to the U. S. Government. In April, Law No. 428 was passed. This law restricted the purchase and use by all governmental agencies to materials mined, produced or manufactured in the United States. In the same month restriction on the importation and sale of Russian Asbestos was lifted by the United States. The NRA and the approval of the Asbestos Code followed and recognition of Russia by the United States is now a fact.

Other important events in the Industry during the year were: the remodelling and re-equipping of the Research Laboratory of the Russell Manufacturing Company; application for patent on "Caposite" Sectional Pipe Covering in the United States by the Cape Asbestos Company Limited of London; inauguration of underground mining by Asbtestos Corporation Limited; the manufacture of Asbestos and other Packings by the Ehret Magnesia Manufacturing Company; the change in name of the Asbestos Brake Lining Association to the Brake Lining Manufacturers Association, and its appointment of W. Joseph Littlefield as Secretary and Manager; the consolidation of its subsidiaries by Turner & Newall, Ltd.; the purchase by the Ruberoid Company of the Newmarble and Newtile business formerly owned by Asbestos Limited, Inc.; and the formation of the Asbestos Contractors National Association.

To these we might add the rather wonderful exhibit

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JOHNSON'S COMPANY

ESTABLISHED IN 1875

Head Office

Thetford Mines, P. Q., Canada

Mines

Thetford Mines, Quebec
Black Lake, Quebec

Producers of All Grades of

RAW ASBESTOS

AGENTS

FRANCE and BELGIUM	GERMANY and CENTRAL EUROPE	GREAT BRITAIN	JAPAN
Compagnie Commerciale de Minerais et Matieres Premières, 74, Quai de Jemmapes, Paris, France	TROPAG Asbest- und Erzimport Alsterdam 7 Hamburg 1	A. A. BRAZIER & CO. Bluefries House 122 Minories London E. C. 3, England	S. SAITO & CO. 5th Floor Marunouchi Bldg. Tokyo

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of Johns-Manville Corporation at the Century of Progress in Chicago and the apparent increased use of asbestos materials in the cause of science.

In glancing over the record we find very few failures during the year, but several new companies formed, and a number of firms moved their offices to other, and generally larger and better quarters.

We record since last year the death of seven prominent men in the Industry: H. C. Bonney, Vice President of The Ruberoid Company on December 20, 1932; Wm. Brookes, President Ferodo & Asbestos Inc., on December 31, 1932; Edward D. Pakenham, General Sales Manager of the Building Materials Department of Johns-Manville Corporation on March 15th; Fred Sprinkmann, President of Fred Sprinkmann & Sons, on May 2nd; John H. Victor, Jr., Vice President of the Victor Gasket & Mfg. Company during April; Gavin Milroy, President of the Atlas Asbestos Company, Ltd. of Montreal, September 14th and W. B. Rommel, Director of Cape Asbestos Company, Limited on October 14th.

Inventive genuius has not been sleeping during 1933. In the list of new products, either made of asbestos or directly connected with the Industry, we find Cellux Pipe Covering, Norriskraft Heater Jacket, Tailored Sets of Brake Lining; two or three improved types of brake lining, the Nu-way Tank Cover, the Carey Metal Stitch for fastening of canvas on pipe covering, the Raybestos Friction Meter and Seapak Pipe Covering.

Just to satisfy our curiosity we picked up the February 1933 number of "ASBESTOS," turned to page 39, and compared the stock quotations given there (for January 1933) with the list in this issue. We suggest that our readers do likewise—the result is gratifying.

This, then, is the brief, but fairly accurate record of 1933. Next month we turn a new page and beginning writing, month, by month, the story of 1934. It will be our endeavor to record faithfully the happenings of the Industry. May each of our readers keep before him the one goal —that of making the 1934 record a good one.

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MARKET CONDITIONS

General Business.

Quoting from the National City Bank letter for December: "The decline in trade and industrial operations which has been under way since July has shown signs of flattening out during November. Some of the accepted measures of business activity, including freight car loadings, electric power consumption, steel operations and bituminous coal production, have held their ground or advanced, after allowance in the comparisons for the normal seasonal trend. This is a heartening change after four months of steady recession. It indicates that in some cases at least the necessary adjustment of over-stimulated industries to the going rate of consumption is being completed."

"Building figures make the best showing in a long time. During the first half of November contracts awarded, as reported by the F. W. Dodge Corporation, were slightly larger than in October, contrary to the usual seasonal decline, and exceeded November of last year by 35.5 per cent. Awards in the public works and utilities classification represented nearly two thirds of the total. Residential building figures also make a good showing, running well ahead of 1932."

Asbestos. Raw Material.

Asbestos shipments from all mines are still on the upward trend. New prices for next year are higher and quotations for asbestos fibre for the coming year are only being made until July 1, 1934. Importations from all sources, into the United States, are also increasing which clearly indicates that the asbestos business is showing a decided improvement. Quotations on practically every grade of asbestos for 1934 will be higher than the past year.

Asbestos. Manufactured Products.

Textiles. Nothing new has developed; volume has declined, due to general falling off in business and also to the fact that buyers are pretty well stocked up and are deplet-

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ing rather than increasing their inventories at this time of the year.

Brake Lining. Reports from Southern Districts indicate a "distinct uplift in sales" during the past six months. It would appear that brake lining is holding up fairly well in the market generally.

Insulation. High Pressure. Demand from industries holds up fairly well. Lack of construction work keeps the total sales down. The public works program does not contemplate very much building, hence the market must be sought among industries making steel, cement, etc., for highway, bridge and dam construction. For the present at least, not much erection of new buildings can be hoped for. Prices are firm to higher.

Insulation. Low Pressure. General slackening is seen in this market, due to the end of the year slump when buyers prefer that their shelves be nearly empty. Prices about as usual.

Paper and Millboard. Practically the same comment can be made of this market as of the Low Pressure Insulation—a general slackening off in trade at the end of the year to keep inventories low.

Asbestos Cement Products. There really is nothing new to say about the asbestos shingle situation unless the news that the Asbestos Industry is now working under a Code is worthy of note. Generally speaking, the volume for the year has been somewhat of a disappointment to the industry as a whole but prices have been stable and a great deal of construction work both in the development of materials and in the merchandising of the products, has been accomplished. We are looking forward to even better things in 1934.

These are the comments of various men in the Industry in close touch with the asbestos markets. We would like to have your comments too.

AUTOMOBILE PRODUCTION

Production of motor vehicles during October in the United States and Canada totalled 142,157; compared with 201,890 in September, and 51,625 in October 1932.

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ASBESTOS



King's Mine, Showing New Incline from Underground Development

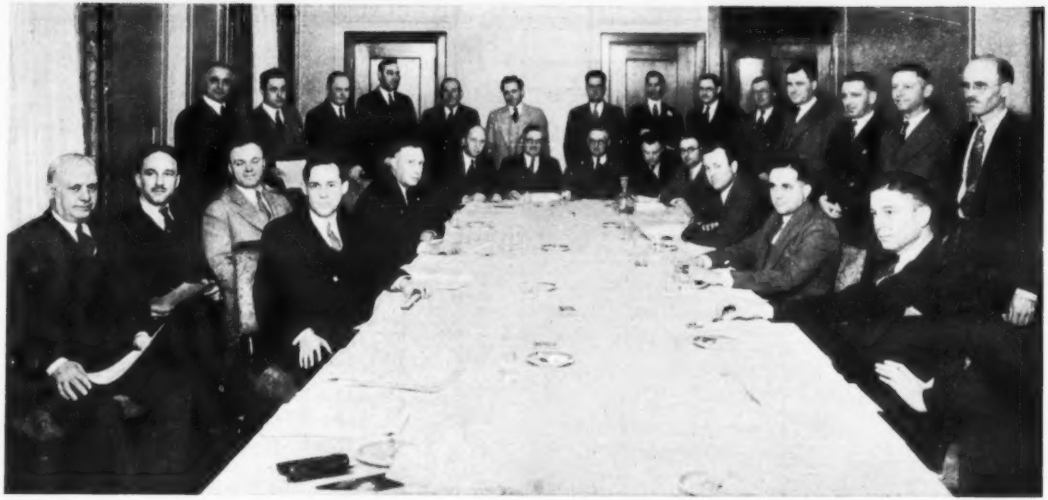
ASBESTOS CORPORATION LIMITED

THETFORD MINES

QUEBEC CANADA

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PACIFIC COAST ASBESTOS ASSOCIATION ANNUAL MEETING

Standing—Left to right: O. Freitag, Jack High, Franklin Shuey, Chas. T. Butts, C. A. Wright, Arthur Knight, Wm. F. Lane, Harry Dutton, Roy M. Scott, M. A. Clune, F. L. Keser, V. S. Jenkins, E. H. Clausen, S. K. Durfee.

Seated—Left to right: R. Tomlinson, J. W. Clise, Jr., C. A. Parks, E. DeForest, S. S. Wells, H. Holway, E. F. Jones, F. E. Jones, R. H. Chase, C. B. Purcell, W. O. Farrington, H. B. Heyn, O. E. Keller.

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CONTRACTORS AND DISTRIBUTORS PAGE

THE ANNUAL MEETING OF THE PACIFIC COAST ASBESTOS ASSOCIATION

The annual meeting of the Pacific Coast Asbestos Association was held on November 2nd and 3rd in San Francisco, and was attended by twenty-six representatives of manufacturers and asbestos houses.

The Association was privileged to have as a guest at the meeting J. M. High, Sales Manager of the Norristown Magnesia & Asbestos Company of Norristown, Penna., and his presence was very much appreciated by the Association, while the comments and advice he was able to give were of considerable assistance to the members.

The following officers—for the ensuing year—were elected:

President, Ralph Tomlinson of the Pacific Asbestos Supply Company; Vice President, C. A. Wright of Plant Rubber & Asbestos Works; Secretary, A. W. Knight of Johns-Manville Sales Corporation. Directors: W. O. Farrington of the Farrington Engineering Company and Harry Dutton of the Standard Asbestos Company.

The insulation contractors on the Pacific Coast in attendance at this meeting decided to send two representatives to the Chicago Meeting of the Asbestos Contractors National Association, held November 22nd. The representatives appointed were Ralph Tomlinson from the Northern group, and Wm. F. Lane (Western Asbestos Magnesia Co.) from the South and Central sections.

A. W. Knight, Secretary of the Pacific Coast Asbestos Association, having recently been East, discussed in a very interesting manner the Asbestos Code, the Construction Code, supplementary Code for the Insulation Contractors Division, and the formation of the Asbestos Contractors National Association.

MEETING OF THE ASBESTOS CONTRACTORS NATIONAL ASSOCIATION

The Board of Directors of the Asbestos Contractors National Association met on November 22nd, at the Medinah Michigan Avenue Club, Chicago, for the purpose of effecting a permanent organization, previous meetings having been merely preliminary ones.

The Board of Directors consisted of the following: H. W. Porter,[1] of H. W. Porter Company, Newark, N. J., and W. L. Cremers, of Philip Carey Company, Philadelphia, Chairman and Vice Chairman of the Eastern Regional Group; H. P. Rankin of

[1]Absent from the meeting due to illness.

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Rankin-Dutney Corporation, Cleveland, and William Brown of the Carey Company, Cleveland, Chairman and Vice Chairman of the Central Group; C. H. Grebe of Central Asbestos Magnesia Company, Chicago and R. V. Aycock of Aycock Corporation, Kansas City, Mo., Chairman and Vice Chairman of the Western Group; W. F. Lane of Western Asbestos Magnesia Company, San Francisco, Calif., and Ralph Tomlinson of Pacific Asbestos & Supply Co., Portland, Ore., Chairman and Vice Chairman of the Pacific Group; F. J. Schuber of Eagle Asbestos & Packing Company, New Orleans, and Otis Massey of Aycock Corporation of Texas, Houston, Texas, Chairman and Vice Chairman of the Southern Group.

The preliminary by-laws and constitution as adopted temporarily in New York were approved with a few minor changes. The Code of Fair Practice as it existed at that time was reviewed by the Board and approved by it. The following officers were elected: President, H. P. Rankin of Rankin-Dutney Corporation; Vice President, W. L. Cremers, of Philip Carey Company, Philadelphia; Secretary & Treasurer, W. E. Ferguson of the Ferguson Asbestos Company, New York City.

The Executive Committee consists of R. V. Aycock, W. F. Lane, R. J. Schuber, together with the President, H. P. Rankin and the Vice President, W. L. Cremers.

The meeting was a most enthusiastic one and showed the result of the hard work put in by the Chairman and Vice Chairmen of the various groups in getting members, the total membership at the time of the Chicago meeting consisting of 88 members from all parts of the country, with their dues paid in and representing, as nearly as could be determined, between 70 and 75% of the asbestos contracting business by volume.

The Executive Committee held a meeting on November 23rd, and the following gentlemen were appointed as the Code Authority after acceptance of the Code: H. W. Porter, H. P. Rankin, W. L. Cremers, F. J. Schuber, L. R. Hoff (President, Johns-Manville Sales Corporation), G. F. Stone (Sales Manager Keasbey & Mattison Co.), J. A. Taylor, (Vice President of Wallace & Gale Company, Baltimore) the last named gentleman representing the non-members.

The Insulation Contractors Code was submitted to the National Recovery Administration on December 4th, and an early hearing is promised.

It is urged that every insulation contractor in the United States, not a member of this national movement, get in touch with their local association, or if there is no local association in their vicinity, with the Chairman or Vice Chairman of their particular Regional Group, regarding membership. Any of these men will gladly make any explanation necessary or supply full information. Dues are $50 a year, $25 payable with application for membership.

There is undoubtedly a lot to be gained from membership in

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this national organization, and the local and Regional Groups, and we urge all contractors to get full information, either from the men suggested above or from W. E. Ferguson, Secretary, whose headquarters are at 229 E. 37th Street, New York City.

An Insulation Contractors Association for four Southern States was recently organized, with Guy M. Beaty, Charlotte, N. C., President, Mr. Markert of Brooks-Fisher Co., Vice President, and Mr. Waldrop of Poe Piping & Heating Co., Secretary-Treasurer. The Association has endorsed the Insulation Contractors Code, and all in all felt that they had a very pleasant and helpful meeting.

A CHEMICAL ENGINEER

With a good knowledge of the manufacture of brake linings, cold molded compositions and cold molded insulating materials and also asbestos paper and millboard as acquired with three different concerns seeks a connection with an organization specializing in any one of the above mentioned products. Address Box No. 12L-P, "ASBESTOS," 16th Floor, Inquirer Bldg., Philadelphia, Pa.

WANTED

Established concern requires services of real live wire mechanical engineer. Anyone having had insulation experience in cork box work and insulation work in general given preference. Eastern territory.
Address Box 12H-H, "ASBESTOS,"
16th Floor, Inquirer Bldg., 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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Mule-Hide Asbestos Shingles

"Buy Your Last Roof First"

The Lehon Company, well known manufacturers of Mule-Hide Asphalt Shingles—"Not a Kick in a Million Feet," are advising their trade that their new line of Mule-Hide Asbestos Shingles will be ready for shipment early in January.

These shingles will be manufactured in a modern plant located at Wilmington, Ill., under the supervision of a recognized authority in the asbestos shingle industry.

The new Mule-Hide Asbestos Shingle will feature an entirely new and improved texture surface, which is an integral part of the shingle. This is one of the first hexagonal shingles offered to the buying public with a texture that adds beauty and attractiveness to the finished roof, and undoubtedly will receive a warm welcome from the trade.

The Lehon Company has adopted a slogan for their Mule-Hide Asbestos Shingle—*"Buy your last roof first."*

From time to time items will be added to the Mule-Hide Asbestos Shingle line in keeping with the market's demand.

The Lehon Company is one of the outstanding manufacturers of asphalt shingles, distributing to the retail lumber dealer exclusively thruout the country. It is the intention of the company to give the manufacture of asbestos shingles the same careful manufacturing and marketing attention which has been characteristic of their line of asphalt shingles and roofing products.

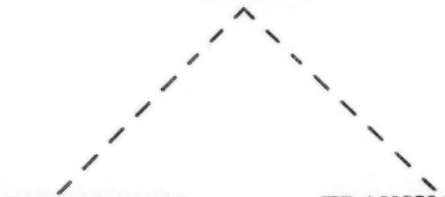
New A. S. T. M. Publications

The American Society for Testing Materials has just issued its Book of A. S. T. M. Standards, a triennial publication containing all of the standard specifications, methods of test, recommended practices and definitions formally adopted by the Society. The 1933 issue of this publication is composed of two parts—Part I containing all A. S. T. M. standards covering metallic materials; Part II, all stan-

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RAW ASBESTOS

All Grades



RHODESIAN

TRANSVAAL
(SUPERFINE)

Samples and Prices to be obtained from

RAW ASBESTOS DISTRIBUTORS
LTD.
13 GROSVENOR GARDENS, VICTORIA
LONDON, S. W. 1 ENGLAND

CABLES:—VULBESTON, LONDON

or from any of the following Agents:

U. S. A.	FRANCE	GERMANY & Central Europe	JAPAN
W. D. CRUMPTON & CO.	GEORGES PARLY	BECKER & HAAG.	C. H. NELSON
8-10 Bridge St., New York.	10 Rue De La Pepiniere, Paris.	Bernburgerstr, 31, Berlin.	86, Yodo Machi, Kobe.

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dards relating to non-metallic materials. Both parts aggregate 2300 pages.

Part II contains the specifications on Asbestos Electrical Tape and Asbestos Yarns, Molded Electrical Insulation, together with a number of materials not directly connected with the Asbestos Industry.

Copies of the book can be obtained from A. S. T. M. headquarters, 1315 Spruce St., Philadelphia, Pa., at the price of $7.50 apiece, or $14.00 for both parts.

The A. S. T. M. has also recently (September) published its new compilation of A. S. T. M. standards, the last compilation having been published in 1930. The book contains all of the 30 standard and tentative specifications, methods of testing and definitions pertaining to textile materials, which have been issued by the American Society for Testing Materials, thru the work of its Committee D-13 on Textile Materials. Many new standards have been issued since the appearance of the earlier publication. New tentative standards just issued this year cover Holland cloth, asbestos roving and tests for small amounts of copper and manganese in textiles. Several of the specifications and test methods previously issued as tentative were adopted as standard this year. Asbestos Tape for electrical purposes is included among these.

Proposed revisions in the standard methods of testing woven textile fabrics are detailed. Revisions (issued previous to this year) in the specifications for textile testing machines and for asbestos yarns were adopted this year and are given in the book.

In addition to the standards the book includes among other things, a proposed potassium dichromate oxidation method for the determination of total iron in asbestos textiles.

The publication aggregates 164 pages. Those things of interest to the Asbestos Industry will be found on pages 99, 101, 128, and 139. Copies are available at $1.00 each in heavy paper cover upon request to A. S. T. M. Headquarters, 1315 Spruce Street, Philadelphia.

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VERMONT ASBESTOS FIBRE

MINED IN U.S.A.

Its chemical and physical characteristics make Vermont Fibre particularly adapted to the better grades of

ASBESTOS

SHINGLES - CORRUGATED SHEETS
LUMBER - PAPER
MILL BOARD - CLUTCH FACING
MOULDED BRAKE LINING
ROOF COATINGS - FIBROUS PAINT
PLASTICS - MOULDED PRODUCTS
BOILER COVERING CEMENTS

• • •

Vermont Asbestos Corporation
HYDE PARK, VERMONT

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Africa (Rhodesia).

(Statistics published by Rhodesia Chamber of Mines).

	September 1933 Tons (2000 lbs.)	Value
Bulawayo District		
Nil Desperandum (Afr. Asb. Mng. Co. Ltd.)	300.20	£ 3,752 10 ..
Shabanie (Rho. & Gen. Asb. Corp. Ltd.)	2,048.12	25,601 10 ..
Slip F (Vukwe Asb. Syndicate)	21.00	430 .. ..
Victoria District		
D. S. O. (Mashaba Rho. Asb. Co. Ltd.)	5.00	60 .. ..
King & Gath's (Rho. & Gen. Asb. Corp. Ltd.)	250.10	4,376 5 ..
	2,624.42	£32,220 5 ..
September 1932	*1,195.18*	*£14,939 13 9*

Africa (Union of)

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

	Sept. 1932 Tons (2000 lbs.)	Value	Sept. 1933 Tons (2000 lbs.)	Value
Transvaal				
Amosite	200.50	£ 2,005	259.50	£ 2,624
Chrysotile	293.00	1,950	833.20	8,795
Cape				
Blue	513.88	9,512	271.95	5,196
	1,007.38	£13,467	1,364.65	£16,615

Canada.

(Statistics published by Bureau of Mines, Province of Quebec).

	October 1932	October 1933
Fibre	13,232	19,524
By-Products (Sand, gravel, etc.)	396	2,017

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Imports Into U. S. A.

Unmanufactured Asbestos.

	Sept. 1932 Tons (2240 lbs.)	Sept. 1933 Tons (2240 lbs.)
Africa (Br. S.)	.....	446
Canada	8,018	12,629
Cyprus, Malta and Gozo	..	356
Italy	2	.....
Soviet Russia	..	146
	8,020	13,577

Value of Unmanufactured Asbestos:

Imported	$192,330	$473,494

Tabulation of Crudes and Fibres:

The above material is divided by grades, as follows:

Crude (Br. S. Africa)	....	446
Crude (Canada)	78	105
Crude (Italy)	2	.....
Mill Fibre (Canada)	2,521	5,791
Mill Fibre (Soviet Russia)	....	146
Lower Grades (Canada)	5,419	6,733
Lower Grades (Cyprus, Malta, & Gozo)	.....	356
	8,020	13,577

Manufactured Asbestos Goods:

	Sept. 1932 Value	Sept. 1933 Value
Austria	$	$ 555
Belgium	.....	1,725
Canada	510	7
France	.....	229
Germany	....	481
United Kingdom	742	2,286
	$1,252	$5,283

Exports from U. S. A.

Exports of Unmanufactured Asbestos during September, 1933, amounted to 72 tons, valued at $3,177; compared with 127 tons, valued at $8,428 exported during September 1932.

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Exports of Manufactured Asbestos Goods:

	Sept. 1932 Pounds	Sept. 1932 Value	Sept. 1933 Pounds	Sept. 1933 Value
Paper, Mlbd. and Ribd.	52,760	$9,384	91,696	$7,185
Pipe Covering and Cement	51,374	3,103	61,998	4,052
Textiles, Yarns and Pkg.	103,477	44,551	101,587	49,390
Brake Lining—				
Molded and Semi-molded		20,075		46,918
Not Molded[2]	109,873	16,403	187,010	29,892
Magnesia and Mfrs. of	106,926	9,146	80,077	6,064
Asbestos Roofing[3]	1,238	1,982	5,579	17,146
Other Manufactures	150,489	6,505	183,180	11,881

[2]Lin. Ft. [3]Sqs.

Imports and Exports by England.

Imports of Raw Material.

	October 1932 Tons (2240 lbs.)	October 1932 Value	October 1933 Tons (2240 lbs.)	October 1933 Value
Africa (Rhodesia)	271	£ 7,644	314	£ 7,946
Africa (Union of South)	590	15,089	557	10,712
Australia		2		10
Canada	254	3,500	927	18,374
Cyprus	133	2,400	203	3,565
Finland	5	34	10	70
Germany	23	256		
Italy		10		
Irish Free State			17	25
Soviet Russia	30	388	223	3,811
U. S. of America	38	332		
	1,344	£29,655	2,251	£44,513
Re-Shipments	64	1,146	54	1,217

Exports of Asbestos Manufactures:

	October 1932 Cwts.	October 1932 Value	October 1933 Cwts.	October 1933 Value
To Netherlands	960	£ 3,354	998	£ 3,578
To France	640	4,109	1,284	5,161
To United States of America	60	514	23	234
To British India	2,800	5,822	10,142	10,449
To Australia	560	4,942	787	6,294
To Other Countries	25,200	50,332	21,175	53,862
	30,220	£69,073	34,409	£79,578

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Exports of Raw Asbestos from Canada.

	October 1932		October 1933	
	Tons (2000 lbs.)	Value	Tons (2000 lbs.)	Value
United Kingdom	346	$ 18,662	734	$ 40,168
United States	2,853	120,702	6,099	300,470
Australia	59	2,950	84	4,160
Belgium	50	2,700	1,530	93,450
France	391	23,401	542	28,475
Germany	474	26,680	537	35,754
Italy	158	10,125	....	....
Japan	1,217	65,740	402	13,981
Netherlands	126	5,670	142	4,397
Spain	33	1,910	.....	.....
	5,707	$278,540	10,070	$520,855
Sand and Waste—				
United Kingdom	182	$ 4,075	485	$ 9,581
United States	6,234	80,500	8,227	116,551
Australia	....	....	2	45
Belgium	65	1,143	90	1,350
France	10	124	145	2,250
Germany	60	1,080	240	4,800
Japan	55	1,025	.....	.....
Netherlands	38	950	70	1,400
	6,644	$88,897	9,259	$135,977
	12,351	*$367,437*	*19,329*	*$656,832*

ASBESTOS STOCK QUOTATIONS

	Par.	Div.	Low	High	Last
Asbestos Corp. (Com.)	np	–	½ to 1½		
Carey (Com.)	100	–	45	51	51
Carey (Pfd.)	100	6	60	60	60
Certaineed (Com.)	np	–	3	4½	4
Certaineed (Pfd.)	100	7	10	24	24
Garlock Packing (Com.)	.....	–	11½	11½	11½
Johns-Manville (Com.)	np	–	45¼	58⅝	55⅝
Johns-Manville (Pfd.)	100	7	93	104	102
Raybestos-Manhattan (Com.)	np	60c	14¼	17⅛	15
Ruberoid (Com.)	np	1	No Sales		
Thermoid (Com.)	np	–	5½	6⅝	6⅜
Thermoid (Pfd.)	100	7	No Sales		

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NEWS OF THE INDUSTRY

Birthdays. This month the following gentlemen are to be congratulated on the occasion of their birthdays: Chas. S. Donnelly, President Mohawk Asbestos Shingles, Inc., Oneida, N. Y., whose birthday falls on December 16th; Robert M. Miller, Director, Slade Asbestos Corporation, Troy, N. Y., December 21st; W. H. Huber, M. D., President, Asbestos Fibre Spinning Co., North Wales, Pa., December 22nd; George N. Clark, President, Clark Asbestos Co., Cleveland, O., December 22nd; R. L. Clark, Manager, Clark Asbestos Co., Cleveland, O., December 22nd; W. H. Truesdell, Chairman, Carolina Asbestos Co., Davidson, N. C., December 26th; Matthew J. Fitzgerald, Treasurer, Standard Asbestos Mfg. Company, Chicago, Ill., December 27th; Fred A. Mett, President, Powhatan Mining Corporation, Woodlawn, Md., December 29th; Warren Car-Skaden, President, Argo Asbestos & Rubber Corp., Pittsburg, Pa., January 7th; John J. Liner, President, Philadelphia Asbestos Co., Philadelphia, Pa., January 13th; E. M. Smith, President, Emsco Asbestos Co., Downey, Calif., January 15th.

Raybestos-Manhattan, Inc., earned a profit of $465,380.44, equivalent to 72c per share on net sales of $3,683,700.39, during the quarter ended September 30, 1933, comparing with a loss of $68,210.58, upon sales of $1,828,024.71, during the same quarter in the year prior.

During the nine months ended September 30, 1933, the Company earned a net profit of $694,777.03 or $1.08 per share, on sales of $8,196,271.14. In the same period in 1932 the Company incurred a net loss of $185,810.63 on sales of $6,344,704.00. The Company has no banking or funded debt, or capital obligation senior to the Common Stock. Net Current Assets at September 30, 1933 were $6,710,380.03 of which $2,907,388.46 represented Cash and Marketable Securities. These net current assets amounted to $10.44 per share on the 642,900 shares of its Common Stock issued and outstanding in the hands of the public.

The Directors declared a dividend of 15c per share, payable December 15, 1933 to stockholders of record at the close of business November 29, 1933.

Standard Asbestos Company of San Franicsco, Calif., has just applied for patents on a gas and oil vent flue pipe called "Metalbestos.' Each three foot section of this carries two layers of asbestos corrugated paper, or an average of about three square feet per lineal foot of flue.

Chas. K. Brown, formerly a representative of the Keasbey & Mattison Company is now representing the Standard Asbestos Company in the Oakland territory.

Allbestos Corporation. C. A. Grainger, Allbestos General

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BLUE ASBESTOS

The "CAPE" quality of blue crocidolite, owing to great tensile strength, volume, and acid-resisting properties, has been proved to be the world's finest material for:-

(1) High Temperature Insulation
(2) Bulkheads and Fireproof Partitions
(3) Asbestos Cement Pipes
(4) Textiles
(5) Electrode Wrappings for Arc Welding

AMOSITE ASBESTOS

owing to its great length of fibre, is ideal both in economy and efficiency as a constituent for:-

85% MAGNESIA COVERINGS

Magnificent success has been achieved with the latest specialty in Amosite material, viz:-

100% AMOSITE SECTIONAL PIPE COVERINGS

AND BOILER CASINGS FOR BOTH MARINE AND POWER PLANT INSTALLATIONS

Address Enquiries to the Mine Owners and Manufacturers::

The Cape Asbestos Co Limited
Morley House 26-30 Holborn Viaduct London E.C.1.
Factory, Barking, Essex

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Sales Manager, announces the appointment of Paul Fay as New York State representative, exclusive of New York City.

Preceding the Chicago Show, Allbestos held its annual sales convention at the Stevens Hotel. The following were in attendance: W. G. Kitchen, C. A. Grainger, Jack Spielmacher, Tom Cannan, Hunter Fox, F. L. Rowley, F. E. Koenig, L. A. Gilliland, J. B. Brooks, Bud Clime, Ed Arnold, Clarence Johnson and Paul Fay.

Superbestos Corporation was duly adjudicated a bankrupt on November 20th and the first meeting of creditors was held at Danville, Ill., on December 9th.

On the same day sale of all perscnal property belonging to said bankrupt estate was held, this property consisting of office furniture and fixtures and various machinery including an asbestos picker with motor, clutch facing molds, etc., to the appraised value of $8075.56.

Russell Manufacturing Co., of Middletown, Conn., has recently published a new Clutch Plate Data Book, giving clutch data for practically all models and makes of American cars and trucks built during the past fourteen years. The book contains 24 pages of concentrated information.

Following the introduction several months ago of the Rusco V. D. (Vibration Dampener) Clutch Plates for Ford Model A and V-8 and Chevrolet 6-cylinder passenger cars, the Russell Manufacturing Company, announces a new Rusco V. D. Clutch Plate for trucks, buses and passenger cars heavier than Fords and Chevrolets. The interchangeability of the new line is such that it replaces more than 90% of the rigid and flexible centered plates now being used as standard equipment.

Asbestos Cement & Fibre Company has opened offices at 1265 Broadway, New York City, under the direction of Messrs. Hammerton and Noonan, as New York City and State representatives, for the sale of Asbestos Cement and Fibre, offered under the name of Canasco Brands, supplied by the Canadian Asbestos Company of Montreal.

Brake Lining Manufacturers' Association, Inc. The Brake Lining Division of the Asbestos Industry has adopted an "open price policy" with fixed discounts to all classes of trade from the manufacturers' own lists. These lists, however, bear in all cases the same relationship between sizes which has been determined from investigation of manufacturing costs.

The other features of the Plan are the elimination of consignment of merchandise in any form whatever and doing away with gifts, premiums, allowances for advertising, etc., and the fact that no buyer can let an account run for over nienty days past due without being put on the C. O. D. basis by every manufacturer.

The first meeting of the Brake Lining Division of the Asbestos Industry after the signing of the Code by the President was held in New York on November 28th and 29th and resulted in

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the adoption of Rules of Procedure and the election of officers. The following officers were elected:

Bradley Dewey of the Multibestos Company as the Member of the Asbestos Code representing the Brake Lining Division. Mr. Dewey is also President of the Division and Chairman of the Sub-Code Authority. Other members of the Sub-Code Authority are W. C. Dodge, Jr. of Ferodo & Asbestos, Inc., and M. F. Judd, of Raybestos Division. D. R. Weedon of Russell Mfg. Company is Treasurer, and W. Joseph Littlefield, Secretary-General Manager. Mr. Littlefield is designated agent of the Sub-Code Authority of the Division to investigate complaints, collect statistics and other information and administer the Code.

"Asbestos," a chapter from the U. S. Department of Commerce Minerals Yearbook for 1932-33, has been published in pamphlet form, and can be obtained from the U. S. Superintendent of Documents, Washington, D. C., at the price of 5c.

The chapter was written by Oliver Bowles and B. H. Stoddard and contains a general resume of the subject for the years mentioned.

India Rubber Journal has contained in recent issues, the following articles: Testing Asbestos Fibres for Yield; Russia's Asbestos Industry; Brewery Vats and Pipes; Asbestos For Special Jointings; Asbestos in Modern Welding Practice; Asbestos Cloth for Arresting Cupola Sparks; Asbestos Furnace Insulation; Asbestos in the Cycle Trade; any of which articles will be lent upon request.

PATENTS

Insulating and Other Structure Comprising Vermiculite. No. 1,927,102. Granted on September 19th to Glenn Sicetti, Kalispell, Mont., and Roland M. Kohn, Middletown, O. Application April 13, 1931. Serial No. 529,790.

Described as an insulating material composed of vermiculite combined with bentonite as a binder.

Brake Lining Rack. No. 1,927,976. Granted on September 19th to R. J. Evans, Huntington, Ind. Assignor to Asbestos Manufacturing Company. Filed April 28, 1933. Serial No. 668,437.

Description upon request.

TRADE MARKS

The National Trade Mark Company, Munsey Building, Washington, D. C., makes the following suggestion:

United States recognition of Russia means without doubt a development of commerce and trade with that country, and as American products are invariably sold under trade-marks it becomes necessary to register those trade-marks in Russia immediately, as the laws of that country provide that the first to register a trademark becomes the owner.

If American manufacturers do not register their trademarks in Russia their goods may be refused admittance owing to others having preceded them in obtaining registration of such American trademarks. Therefore, prompt registration is imperative in order to protect the interests of American manufacturers.

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THIS AND THAT

J. M. High, Sales Manager, Norristown Magnesia & Asbestos Company, greatly enjoyed attending the recent meeting of the Pacific Coast Asbestos Association, (See page 19) and in a letter to "ASBESTOS" says: "Despite the great territory that has to be covered by many of the firms that are members, these meetings are fully attended. The men take their time and money to gather together in the common interest they have in the sale and application of asbestos materials and after they have been together two days there is a feeling of warm friendship among them that helps greatly toward their cooperation and understanding of each other's problems.

"One senses the seriousness with which they enter into the spirit of these meetings and while there is a great deal of fun and entertainment for all after the meeting sessions are over, the predominating factor in the meeting itself is hard work and a desire for more knowledge.

"This organization was started six or seven years ago and each year is getting stronger. Their advancement and accomplishments are indicative of what can be done thru united effort. So far but three or four of us Easterners have had the opportunity of attending these meetings but were more of us able to be there I feel certain that before long we would find pleasure and interest in having just such an organization here in this section. I can safely predict that until we in the East, in fact thruout the United States, gauge the spirit of cooperation in our Industry that these western boys have obtained we cannot expect to attain the advancement that is within our power."

Have you read any "ridiculous statements" concerning Asbestos or Asbestos Products recently? If you have, or when you do, please send them along as we are making a collection of such statements.

Another use for asbestos clothing, not often mentioned, is for suits for workers employed in making fireworks.

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TOPICAL INDEX

"ASBESTOS"

For the Year 1933

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The index is published in the back of the magazine so that readers may, if desired, tear it out and attach to those published previously.

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ABRAHAM M. DE SOLLA

Just as we go to press we learn of the death of Abraham M. De Solla, probably the oldest "Asbestos Man" in the United States and certainly the oldest on the Pacific Coast. He was 85 years old. He founded the De Solla-Deussing Company representing Keasbey & Mattison Company in the early eighties when Magnesia Covering was first used. The company later sold out to the Magnesia Asbestos Supply Company and it in turn to the present Plant Rubber & Asbestos Works. Mr. De Solla's death occurred on December 2nd.

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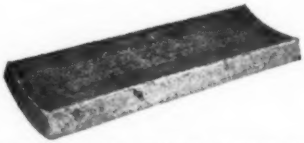


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