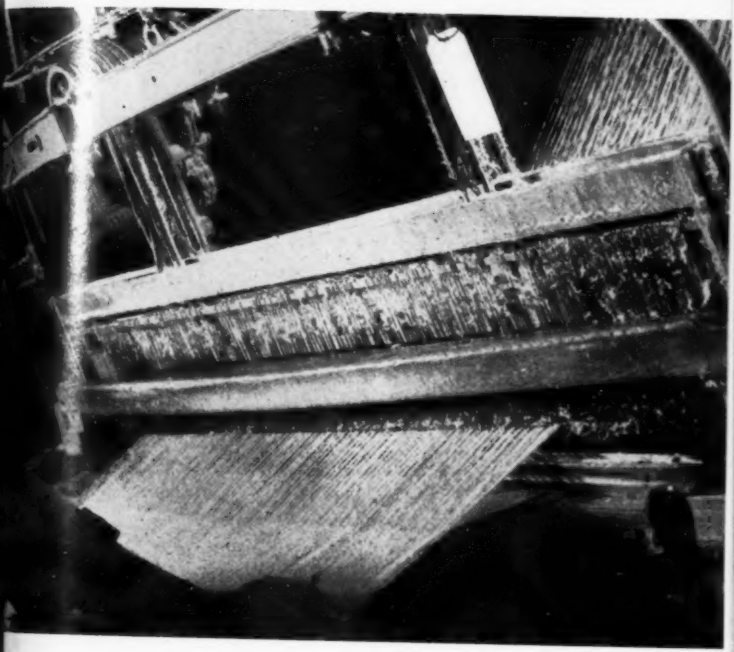
ASBESTOS



JANUARY - 1948

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LEARNING THE ROPES

There's many a twist in the rope business, but you can rely on R M to set you straight. R M asbestos ropes come in many different sizes and grades. Everything from "Commercial" to AAAA. Also braided ropes for packing and other service.

Tie up with R M.

R M

RAYBESTOS - MANHATTAN, INC.

ASBESTOS TEXTILE & PACKING DIVISION

MANHEIM, PA. NORTH CHARLESTON, S. C.

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"ASBESTOS"

FOUNDED IN JULY 1919 AND PUBLISHED
MONTHLY SINCE THAT DATE
BY SECRETARIAL SERVICE
17th FLOOR INQUIRER BUILDING
PHILADELPHIA, 30, PENNSYLVANIA

Estate of C. J. STOVER, *Proprietor*
A. S. ROSSITER, *Editor*
E. E. COX, *Circulation Manager*

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THE NEW PAGE - 1948

Another clean, white, shining page on which to inscribe the progress of the Asbestos Industry during 1948.

Despite the many worries and problems which beset the Asbestos Industry, we believe it will in the end triumph, and will grow ever larger and more influential in its service to all Industry:—transportation thru the Brake Lining Division; construction thru Asbestos-Cement Products; industrial expansion, thru the Packing and Insulation Departments; and innumerable other sections of the business world.

Certainly the Asbestos Industry has the potential opportunity to serve all mankind—in pleasure, in comfort, in saving of money; in protection from weather, and in protection from fire. Above all it has the opportunity to help rehabilitate the world.

We hope that in 1948, more than ever before, the Asbestos Industry will seek out ways to improve such service. And in so serving mankind will rise to greater heights of usefulness.

We, "ASBESTOS", hope to help in our small way by supplying information and keeping the Asbestos Industry advised of all important matters connected with that marvelous mineral.

On the opposite page and several succeeding pages are the greetings by prominent executives in the Industry. It is interesting to read their comments.

Happy

New Year

To All

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GREETINGS TO THE ASBESTOS INDUSTRY

By Executives in the Industry

Editor's Note: Views expressed in these Greetings may or may not coincide with our own. "ASBESTOS" assumes no responsibility for them—we simply quote the opinions given.

Despite the clouds in the field of international affairs, 1947 was, from the point of view of the American Asbestos Industry, a highly encouraging one.

Due, for example, to the huge backlog of new construction, repairs and modernization accumulated during the war, the demand for asbestos building and insulating products was unprecedented. Moreover, as we enter 1948, we find demand continuing at such high levels that various grades of asbestos fibre are generally in short supply and may remain so for some time unless intensified efforts are made to increase the output.

In our Industry, therefore, as in the national and world economy as a whole, it will be seen that the major need for future business progress and stability is that of accelerated production. From my experience and observation I am confident that the Asbestos Industry will spare no efforts in this direction.

In that spirit, and with sincere appreciation of the pleasant relations that have existed among us, I extend to every member of our Industry heartiest wishes for a happy and prosperous New Year.

Herbert Abraham, President
The Ruberoid Co.

. . . —

It is a privilege to send best wishes and Season's Greetings to the readers of "ASBESTOS".

The growing demand for and increasingly widespread use of asbestos cement products is encouraging. Barring unforeseen contingencies, 1948 should be a good year for those associated with the Asbestos Industry.

I. J. Harvey, Jr., President,
The Flintkote Company.

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It is a genuine pleasure for Plant Rubber & Asbestos Works to extend Season's Greetings to its friends and associates.

This is a time of the year when men reflect on the good things of life and friendships—and also what the coming year may hold.

At Plant Rubber & Asbestos Works we are proud that we are part of the increasingly important 85% Magnesia Insulation and Asbestos Industry.

We are proud, first, that our organization is part of the competitive free enterprise system. This distinctively American system that has produced more of the world's goods for more people than any other system ever known —mainly because in the rivalry to win customers each organization tries to surpass his competitor through providing constantly better goods with better service at lower prices.

We are proud, secondly, because our industry is called upon to play such a significant role in building our world into a better place in which to live and work.

The need for the construction and modernization of buildings of all types—homes, stores, offices, factories, mills, power plants and others—is the greatest in history. The 85% Magnesia Insulation and Asbestos Industry is a central part of the Construction Industry.

All of us in the Industry—manufacturers, distributors, contractors, architects, engineers—and our management, supervisors, technicians and craftsmen, participate in this effort.

1947 showed considerable progress in satisfying some of the more drastic supply requirements in the unprecedented business back-log which grew out of the violent upthrust of the war.

We enter 1948 with a greater demand for our goods and services than existed even in the unprecedented year of 1947. The domestic housing shortage is more acute. Single unit dwellings, apartments and hotels by the thousands of units are so greatly needed by our people that they are a chronic headline topic.

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Since 1873

The *Carey* line

. . . backed by nearly 75 years of manufacturing experience and many years of laboratory research, includes many products in which asbestos is a prime ingredient. Among these are:

Asbestos Corrugated Roofing and Siding • Asbestos Fibre and Specialties • Asbestos Flat Sheathing • Asbestos Heat Insulations and Cements • Asbestos Packing • Asbestos Paper and Millboard • Asbestos Prefabricated Ducts • Asbestos Roofing Felts • Asbestos Shingles and Siding • Asbestos Wallboard.

THE PHILIP CAREY MANUFACTURING CO.,
Cincinnati 15, Ohio

In Canada: **The Philip Carey Co., Ltd.**
1557 MacKay Street, Montreal 1, P. Q.

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Our country's industrials mills, factories and shops represent the greatest accumulation of back orders and unfilled demand ever recorded for this type of work. The wear of the War Years — the accumulated plant work which war conditions shelved—the normal industrial expansion—the industrialization of the West and South—all have added to this demand.

All this adds up to an overwhelming pent-up demand for the goods and services of the 85% Magnesia Insulation and Asbestos Industry.

We can help meet this demand if all of us—from top management to the newest apprentice—work and think hard, intelligently and constructively.

The spur of the hard-hitting free enterprise system, under which American business operates and to which Plant Rubber & Asbestos Works heartily subscribes, and wherein each one tries his hardest to do better than his rival—this Free Enterprise System is the best guarantee that this Industry shall meet the needs of the people.

R. H. Chase, Vice President & General Manager
Plant Rubber & Asbestos Works.

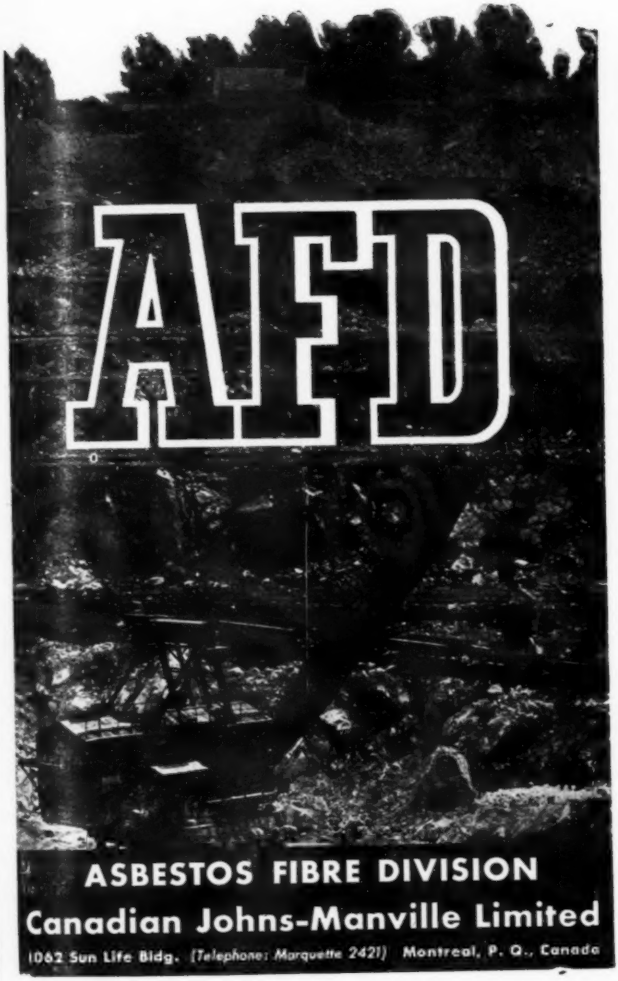
. . . —

I am grateful to the Editor of "ASBESTOS" for again making it possible to extend greetings on behalf of my associates and myself to all in the Asbestos Industry. The fact that our company, by no means the oldest in the asbestos business, is about to celebrate its 75th birthday makes me especially conscious of the age and stability of this great industry.

While the years ahead will inevitably have their ups and downs, this long record of service and wealth of experience surely points to continued growth and even greater achievement in the future.

R. S. King, President,
The Philip Carey Mfg. Company.

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It is a great pleasure to once again extend the Season's Greetings and best wishes for the New Year to the readers of "ASBESTOS" and all those associated with the Asbestos Industries.

This past year was characterized by a steadily expanding market for all types of Asbestos Cement Products. Production reached new heights for the Industry, largely due to expanded and improved equipment and more efficient manufacturing processes.

Production is expected to continue at high levels during 1948. However, little change in the supply-demand relationships in both the urban and farm markets is anticipated, since no improvement in the asbestos fibre shortage appears likely in the foreseeable future.

For the long haul the Industry outlook is most favorable. Asbestos Cement products enjoy widespread and ever-growing acceptance. Unless major developments not now apparent occur, both supply and demand should continue at unprecedented levels during 1948.

I feel confident our members will measure up to the opportunities and responsibilities we face. We shall do our part to help build and maintain the better world of tomorrow which is the goal of all freedom loving peoples.

Stuart H. Ralph, President,
Asbestos Cement Products Association.

• • • —

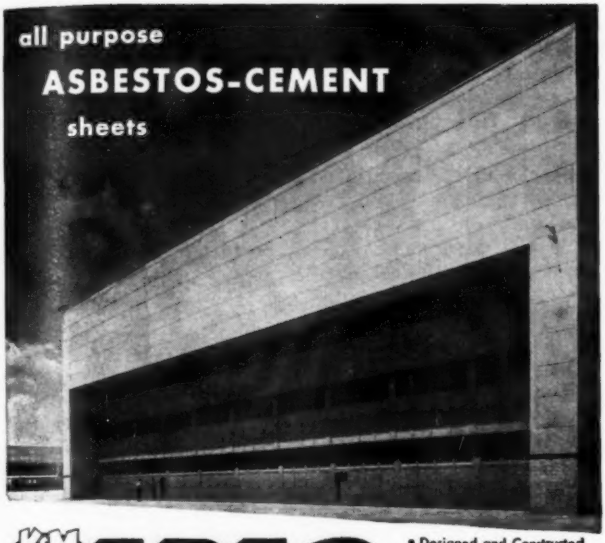
"ASBESTONE" sends sincere Christmas greetings to all in the Asbestos Industry with the hope that all will have a very happy and prosperous New Year.

From the Deep South it appears that 1948 could be a banner year for the Asbestos-Cement Industry. The only obstacle to this progress may be the critical shortage of asbestos fibre.

We hope that this condition is only temporary, and that the Industry will be able to go ahead at full speed by the latter part of 1948.

Clifford F. Favrot, President,
Asbestone Corporation.

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K&M "Century" APAC

• Designed and Constructed by Austin Company

The front of this huge aircraft assembly plant shows you another example of Apac's adaptability as an exterior sheathing. Durable, weather-and-fire resistant, K&M "Century" Apac can be put to almost unlimited uses.

In addition to "Century" Apac, K&M manufactures a complete line of Asbestos and Magnesia Insulations, Asbestos Textiles, Asbestos Paper, Packings, Sprayed "Limpet" Asbestos, Asbestos Cement Pipe, Corrugated Sheets, Roofing and Siding Shingles.

K&M best in asbestos ®

Nature made Asbestos . . .

Keasbey & Mattison has made it serve mankind since 1873

KEASBEY & MATTISON
COMPANY • AMBLER • PENNSYLVANIA

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It is with a great deal of pleasure that I am once again to convey the best wishes of the Asbestos Corporation Limited to all our associates in the Asbestos Industry through the medium of your magazine.

In looking back at 1946, the salient feature for the producers has been, of course, the never slackening demand for all grades of asbestos fibre; and despite all our efforts to meet it by increased production, it would appear that it may be some time yet before the world shortage of fibre is alleviated.

Meanwhile, we shall continue to make every effort to increase the available supplies of raw asbestos and to ensure that it is distributed as fairly and equitably as possible.

In 1948 it is hoped and indeed expected that the Asbestos Industry can look forward to another record year of achievement in service to industry and consumer alike, and particularly in the rehabilitation of other less fortunate countries than ours.

R. W. Steele, President,
Asbestos Corporation Limited.

• • • —

We approach the New Year with a rising tempo of inflation due to greater scarcity of goods.

PROBLEM: Inflation.

REMEDY: (1) Freeze all wages (2) 48 hour work week; 2400 hours per year (3) Incentives for production (4) Stop the feather bedding strikes and slowdowns.

There is the complete answer for our nightmare.

You may say that I have added nothing to that which is already known; I haven't. Every high school child today knows it, but no one does anything about it any more than they do about the weather; meanwhile time goes on. I have heard from no legislator, economist, or Wallace, a direct attack on the root of the trouble.

The U. N. O. for three years has discussed matters of secondary importance, but as they attack a basic prob-

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lem they close up shop. Maybe the remedy can not be applied. If so, we will have to let the vicious cycle run its course as France has done.

America is a wonderful country with glorious potentials if we have the courage to face our problems realistically.

Victor Mauck, President,
Asbestos & Metal Industries Corp.

. . . —

It is a real pleasure to have this opportunity of extending greetings to our friends in the Asbestos Industry and wishing each and all of you a happy and prosperous New Year.

I believe that the Asbestos Textile Industry can say, without exceeding the bounds of modesty, that the year 1947 was one of considerable accomplishment. By overcoming production difficulties and increasing the output of asbestos products, we contributed our fair share to the rehabilitation of a strife-ridden world.

We begin the New Year with the hope that through increased production we will be able to provide more goods for more people at reasonable prices. Realization of this goal by our industry and other industries in general will help to curb our present monetary inflation and thus make 1948 a happier and more prosperous year for everybody.

Herbert E. Smith, President,
United States Rubber Company.

. . . —

From K&M we send to all Season's Greetings and Best Wishes for the New Year. Let us hope and strive for a better and happier world through tolerance, understanding, less talk and more work.

Ernest Muehleck, President,
Keasbey & Mattison Company.

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Thermoid's outlook for 1948 is probably more encouraging from a competitive standpoint than it has been in years. Everybody is conscious of the inflationary spiral in which we find ourselves because of the theory and practice in Washington that you could raise wages and hold prices down. When that spiral will recede, or when the "bust" will come, if any, we do not know.

Several noteworthy accomplishments for the future of America can be recorded for 1947. First was the final and tardy recognition by the Administration that they could not "buy" friendly relations with Russia nor persuade the American public that Russia, by constant concessions, would "see the light". Recent events prove that ultimatums backed up with the mailed fist and the shadow of the atomic bomb is the language that they understand.

The second accomplishment was the value by example (wholly fortunate for America if it heeds) of the failure of Socialism in England. It is only a slight extension of New Dealism. Production has been retarded and the common man's lot has steadily declined with a loss of the will to work.

The other great accomplishment was the Taft-Hartley Act, in spite of its castigation by Union leaders, and all sorts of dire threats. There has been comparative peace on the labor front, to the extent never expected in early 1947.

Nineteen forty-eight will be a Presidential year and there will be a great deal of politics played between the President and Congress in the first four or five months. How much this will influence business, or the public attitude, and the state of confidence is very conjectural. These events affect business conditions and thus deserve mention.

Thanks to "ASBESTOS" magazine for this opportunity to wish our friends in the Industry happiness and health in the coming year.

Fred Schluter, President
Thermoid Company.

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I take this opportunity to extend to "ASBESTOS", and through it to the Asbestos Industry, heartiest New Year's Greetings, and, with them, hope that our Industry will continue to enjoy the present encouraging prosperity throughout 1948.

J. H. Watters, President,
Union Asbestos & Rubber Co.

. . . —

THE COVER PHOTOGRAPH

The very excellent photograph used for our cover beginning this month was furnished by the Philadelphia Asbestos Company, 10th and Norris Streets, Philadelphia. As most of our readers will recognize, it depicts an asbestos textile cloth loom, and it seems to us that the texture of the asbestos yarn being woven is so vividly portrayed that it would be impossible for anyone, even tho not an asbestos enthusiast, to confuse it with cotton, wool, or any other textile.

We plan to change the cover picture each six months —but if readers will supply as striking photographs as this one, we may be tempted to use a different one more often.

Next time we shall try to depict some other division of the Asbestos Industry—asbestos-cement products for instance, or insulation.

. . . —

The high cost of building is due to four primary factors: the high cost of taxes, the high cost of materials, the high cost of labor, the unsteady flow of materials and labor to the job.—*Robert W. McChesney, President, National Electrical Contractors Association.*

. . . —

Recovery from the devastation of the war can only come by more work, not less; by longer hours, not shorter; by sacrifice, by pulling together. The hopes for an easy way are dying hard.—*Robert L. Garner, V. P. of International Bank.*

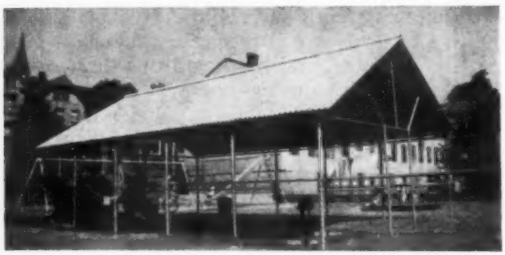
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CORRUGATED ASBESTOS-CEMENT FOR PLAYGROUNDS[1]

The photograph needs little explanation, but everyone will agree that the use of corrugated asbestos-cement is admirable for the covering (roofing) of playground shelters.

First of all it is cooler than metal roofing would be; it requires no maintenance such as painting; is light reflecting, easy to install and attractive in appearance.

This particular shelter is at Mount Vernon, N.Y.,



Courtesy of J-M Power Specialist

which has a number of playgrounds and shelters in all of them. Games can be played under the shelters; some have swings, see-saws, merry-go-rounds and other playground equipment; the shelters give the children protection from sun and rain, and yet keep them in the open air.

Incidentally Mt. Vernon had an attendance of 14,000 at its playgrounds in July 1946, while last July (1947) 30,000 children enjoyed their playgrounds.

[1]J-M's Transite was used on these shelters at Mt. Vernon.

ITALIAN ASBESTOS
Long Carded Fibres — Spot and for Shipment from Italy
ROBERT P. GOEDERT
145 Hudson Street, New York 13, N. Y.

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ASBESTOS

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GEOLOGY OF ITALIAN DEPOSITS

The information obtainable in this country on the geology of Italian Asbestos Deposits is apparently very meager—search is being made by several of the larger asbestos firms as well as ourselves, but so far without much success.

In the following we give a summary of the data we have been able to find up to this time.

In September 1931 an article was published in "ASBESTOS" under the title "The Principal Italian Asbestos Deposits"[1]. We quote the paragraphs of interest:

"The large Pietre Verdi vein that stretches thru the Alps from the Pennines to Retiche, immerging at intervals in great masses distributed at various levels, forms the zone where asbestos deposits are to be found. These localities are distributed at various altitudes varying from 500 to 3000 meters above sea-level. This leads to the belief that some other region rich in deposit of minerals is to be found in the Apennine Liguria.

"In the Piedmont, asbestos of the Valle Susa is found in the mountains of Chianoc, Bruzzolo, Almese; in the Valle di Lanzo, along the slopes of the Lunella, on the Uje di Modrone and in the Usseglio and Margone regions. Further down the Bolci Mountain is found a chrysotile type of asbestos. In the Val Soana, in the mountains of Campiglia, Ronco, Valle Aosta, in the communities of Emerese, Challant, Issogne, Champorcher, St. Denis Montyvet, Brusson, and in the high valley of Ollomont. In Val Sesia, in the Balmuccia community and in the mountain of Algana, below the Olen Pass. In the Ossola Valley, below the Formalino Pass, on both sides of Boganco and Antrona in the Valbrevetto la Mountain, in the Alpe della Rossa (Val Devero) in the Pizzo Formalone and in the Rocchetta di S. Antonio (Val Vigezzo).

"The greater part of this asbestos is the product of the alteration of the basic "anfiboli" (probably amphibole). This explains the reason why this asbestos is

[1] This data was apparently taken from an Italian magazine "Science & Life" but unfortunately date of issue is not given.

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Each "tops" in its line!

- Asphalt Roofing and Siding
- Built Up Roofings and Waterproofings
- Asbestos-Cement Products
- Insulation, Pipe-Coverings, etc.
- Coal Tar Products
- Building and Waterproof Papers
- Pipe Line Wrapping Materials
- Insulating Tape
- Rapid Asphalt Paint

The Product Roll Call That Makes

RUBEROID

"A name to remember"

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composed of white flexible fibres, quite long but of little tenacity, with the exception of certain types of asbestos found in the Aosta Valley belonging to the peridotite olivines which are hard and yield a white, soft and at the same time tenacious (strong) fibre, and the S. Vittore type (Balangero) which is found in geological and structural formation very nearly approaching that of the chrysotile deposits of Canada, Rhodesia and Cyprus, altho this deposit possesses a fibre quite short in length and adapted only to the manufacture of asbestos cement products.

"In Lombardy, the asbestos region extends from the southwest slopes of the Disgrazia Mountain up to the Valle Poschiavina, comprising the whole of Alta Valmalenco. In this region are found the important deposits of Cassandra, Ventina, the mines of Sasso Melirolo, Giumellino and the large asbestos zone of the Nero Mountain, Entova-Scerscen Pass. In the bordering valleys of Lanterna and Cormor, in the Lanzada region are found the deposits of Campo Frascia-Piadore-Valbrutta, Cingiasc, Aeguanegra, Campomoro and of the Barold and Felleria Mountains. This zone is about two thousand five hundred hectars in extent, with some 300,000,000 tons of asbestos serpentine which produce an amount of asbestos conservatively estimated at 5%. This type of asbestos, except on rare occasions, comes from peridotite olivine serpentines and is the best Italian asbestos on the market. Owing to the consistency of the vein, a white, tenacious fiber is obtained which nowadays is treated with special machines, thus rendering it perfect for carding and spinning."

In an article published by the Engineering & Mining Journal[1] of April 11, 1885, under the title "Asbestos, Its Manufacture and Uses" we extract the following paragraphs which concern Italian Asbestos, and while not much as to the geology is given, they may be of interest:

"The Italian Asbestos lies in beds and pockets, which

[1] The complete article, in photostat form will be furnished upon request to any reader, price $1.00.

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ASBESTOS-CEMENT ASSOCIATES
INCORPORATED
CORIELL BUILDING MILLINGTON, N. J.

ENGINEERING SERVICE
TO THE ASBESTOS - CEMENT INDUSTRY

SPECIALISTS IN HATSCHEK OPERATION
COMPLETE PLANTS DESIGNED AND EQUIPPED
CONSULTING SERVICE ON MANUFACTURING PROBLEMS

WET MACHINE FELTS
FOR
ASBESTOS CEMENT PRODUCTS
ASBESTOS MILL BOARD

•

DRYCOR FELT COMPANY
BELLEVILLE, N. J., U. S. A.

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are mostly reached by open quarrying, dynamite being largely employed in this operation. The lumps, as they are taken from the mine, consist of bundles of hard fibers, lying parallel with one another, and strongly bound together. They vary in color from light gray to brown and the general appearance of a fine sample of asbestos is suggestive of the interior of the riven trunk of a tree. By the exercise of a little care, threads may be separated, many feet or even yards in length, the continuity being perfect from end to end, the general appearance and strength being very similar to those of flax. It is this quality of length and strength of fibre, and its chemical purity, that distinguish Italian asbestos from all other . . . . . .

"Another peculiar characteristic of the Italian asbestos is the greasy feeling that it possesses, resembling that of French chalk or soapstone. When the material is manufactured into gland packings, this quality becomes valuable, as it prevents the necessity of introducing any foreign substances, and permits a perfectly pure packing of asbestos, through which the rod will slide with light friction, and with less oil than other kinds."

Appeal to the U. S. Geological Survey results in the following information:

"The chief localities for asbestos (in Italy) are in the Graian and Rhaetian Alps, and smaller deposits occur in the Ligurian Apennines. The asbestos occurs with amphibolite and serpentine in the *pietri verdi* (Eocene?) The most valuable localities in the Graian Alps are in the Val di Susa and Valle di Lanzo especially in the S. Vittore quarry north of Balangero. The asbestos includes long-fibre and short-fibre types. As the short fibre type is predominant and unsuitable for spinning, both varieties are made into asbestos cement. No estimates of reserves are available. In the Rhaetian Alps the mines in the Val Malenco and its tributary valleys of the T. Lanterna and T. Cormor are difficult of access. It has been estimated that in these localities there are large reserves of serpen-

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HAIR FELT

FOR

Low Temperature Insulation

Newark Hair Felt Co.

1000 Maple Avenue

Lansdale, Penna.

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tine and similar rocks capable of yielding asbestos. Asbestos also occurs in Liguria near Rochetta di Vara, north of Spezia, and at Piana-Crixia, between Savona and Acqui, but it is not known to be worked commercially at these places."

In the U. S. Bureau of Mines Information Circular 6817, dated January 1935, by Oliver Bowles, we find the following:

"The asbestos used by the Romans doubtless was a long-fibred variety identified as tremolite and occurring in northern Italy. The use of Italian fibre presumably led to the claim widely made in literature that the original 'amiantos' consisted of fibrous amphibole (tremolite, actinolite, or hornblende). A recent personal communication from the chief mineral inspector in Rome, however, casts some doubt as to whether Italian fibre used by the ancients was tremolite. A significant excerpt from this communication reads as follows:

"For a long time it was believed that the Italian 'amianti' were all the tremolite type because the first examinations of the material were based on samples of tremolite. It was only in recent years that, after further studies, the producers recognized that their products were for the most part chrysotile with a long, flexible fibre."

And in U. S. Bulletin 403 by the same author (Oliver Bowles) the following confirms the fact that chrysotile asbestos *is* produced in certain parts of Italy.

"Italy is called 'the cradle of the asbestos industry', because the mining of asbestos and the manufacture of its products began on an industrial scale in that country. Italy also is unique in that much of the fibre produced in early years consisted of tremolite, a variety of amphibole asbestos little used elsewhere. Before discovery of the Canadian deposits, Italy was the chief source of supply of asbestos for both Europe and America. After the Quebec deposits were developed, the Italian industry experienced little growth.

"One important deposit is in the Susa Valley region of western Torino near the French border. Here tremolite asbestos, which is particularly well-adapted to the

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SMITH & KANZLER CORPORATION

MANUFACTURERS OF

ASBESTOS PAPER

AND

LOW PRESSURE INSULATIONS

ESTABLISHED 1920

LINDEN, NEW JERSEY

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manufacture of acid filters, is mined in the mountains 8,000 to 9,000 feet above sea level. A second deposit is along the Aosta Valley near Ivrea in northeastern Torino, about 46 miles from Turin. Tremolite asbestos has been mined in the mountains in this locality since 1865, but there has been little activity since 1905. The fibres are long and highly resistant to acids and heat, but owing to the difficulty of separating them, they are not well-adapted to weaving. A third source of supply of tremolite asbestos is near Sondrio in northern Lombardy. This asbestos also is a long-fibred variety similar to that of the Torino deposits.

"The Balangero mine situated in Torino about 20 kilometers north of Turin has been the chief producer during the recent years. The asbestos of this district is chrysotile, the output of which was about 2,000 tons in 1925 and nearly 5,000 tons in 1928, the year of greatest production. In 1928 modern mechanical equipment was introduced. The fibre is said to be inferior to Canadian chrysotile for spinning purposes. It commands prices ranging from $75 to $150 a ton and is used chiefly for the manufacture of artificial stone."

Editor's Note: If anyone in any country can give more detailed information on the geology of Italian Asbestos Deposits we would be most grateful. Data need not necessarily be in English.

• • • —

The 1947 edition of "Accident Facts" is available from the National Safety Council, 20 North Wacker Drive, Chicago 6, Ill. Copies are 50c each in quantities of less than 100, and 40c each in larger quantities. The Yearbook contains complete statistical information about safety in industry, at home, at school, on farms and on the road. It serves as a source book for those interested in the advance of safety.

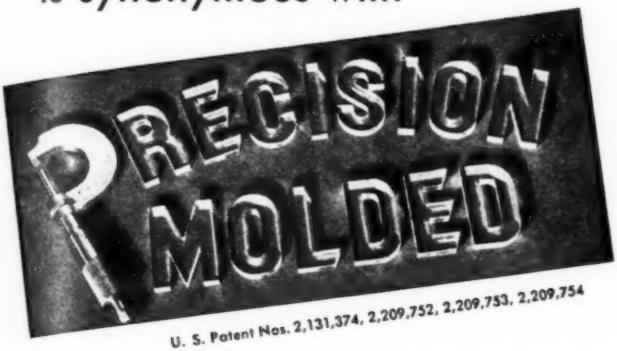
EQUIPMENT WANTED

New or used shaker table approximately 4' x 10'; Canadian testing equipment; mill with 60 to 100 horsepower motor. Asbestos Fibres, Inc., 56 Crittenden St., Newark, N. J.

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LIGHT DENSITY TYPE HEAT INSULATION

is synonymous with



U. S. Patent Nos. 2,131,374, 2,209,752, 2,209,753, 2,209,754

PLANT RUBBER & ASBESTOS WORKS

Manufacturers of

Plant "Precision Molded" 85% Magnesia

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FACTORIES:
EMERYVILLE, SAN FRANCISCO, REDWOOD CITY • CALIFORNIA

PLANT ENGINEERING SERVICE UNITS IN PRINCIPAL CITIES

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MARKET CONDITIONS

GENERAL BUSINESS

The year 1947 has been a high production year in spite of raw material shortages, rising costs, "lazy" labor, but while the quantities of products made were extremely high, there is still great demand, and this in the face of astronomical prices. Shortages still show up in many things looked upon by Americans as necessities, altho our fathers and forefathers got along quite easily without them.

Inflation goes on—we doubt that anything which Congress may do, or can do, will effectively curb it.

ASBESTOS - RAW MATERIAL

Price lists have been received from some of the major producers indicating an approximate increase of 10% above those announced November 1st—the new prices were effective January 1st.[1]

There is no visible prospect of the fibre shortage being ended during 1948, and this we understand applies to all grades.

ASBESTOS - MANUFACTURED GOODS

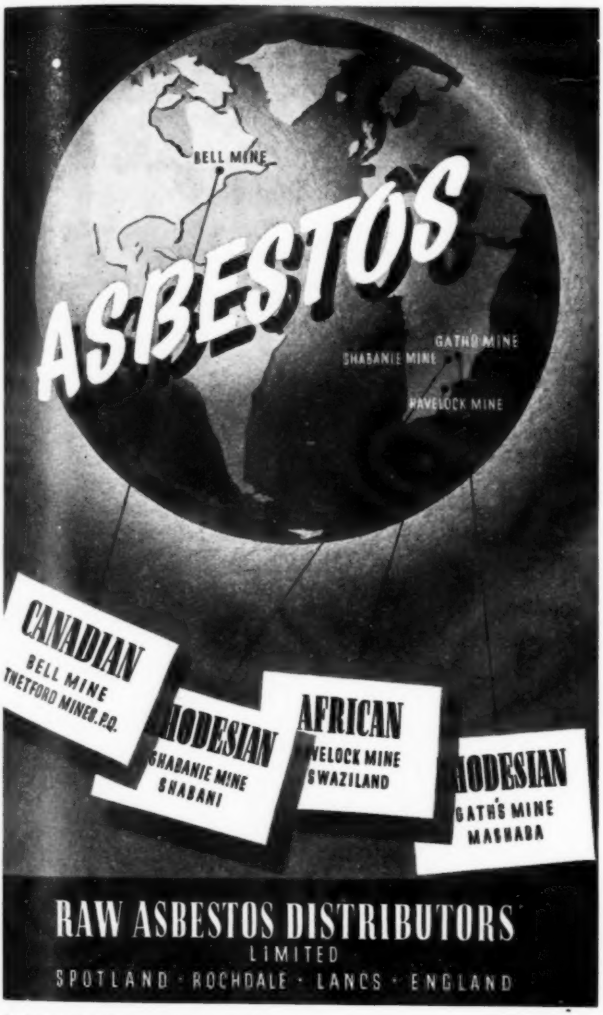
Asbestos Textiles. Demand during December was strong, probably due to attempts to build up inventories prior to price advances. Demand for cloth is particularly heavy and production is lagging several weeks behind orders. Shortage of fibre makes it fairly certain that production will not be able to keep up with orders for some time to come.

It is difficult to see what 1948 will bring, but indications are that demand for all asbestos textiles will continue high.

Brake Lining. Equipment business is regaining ground lost during the war and running close to capacity. Replacement sales are off from wartime and 1946 levels but still far above pre-war requirements. Cemented-on-lin-

[1] The range of price given on page 48 takes this increase into account.

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ing is now a big issue in replacement and equipment fields. According to figures submitted to date on sales of friction materials, the November total was not only lower than for November, 1946, but also below that for October, 1947. Practically every field declined from both months under review. When exports are compared, the entire volume was higher than that for the corresponding month in 1946 but lower than the total for October, 1947.

Asbestos Paper. Volume in this market is still restricted due to short supply of asbestos fibre, and demand exceeds production to an extent that the allotment system must be again instituted. This market should continue active for the first six months of 1948.

The demand for Saturated Asbestos Paper (Felt) continues in all sections of the country. In fact it far exceeds the production of this material.

Asbestos Millboard. Heavy demand for all kinds and types of millboard is exceeding productive capacity. One firm reports that lack of sufficient asbestos fibre is their principal problem. And another tells us that their orders for commercial millboard are being shipped six to eight weeks after orders are received.

This market is expected to be very active during the first quarter of 1948.

Insulation. High Pressure. Increased demand, exceeding present production, is reported by at least three insulation manufacturers. Stocks are said to be low.

"No doubt", says one manufacturer, "some of the influx of orders can be attributed to the recent price increase that caused distributors to place orders for their commitments, orders which normally would not have been received until a later date. However, a consistent demand exists for High Pressure Insulation and we expect to see this condition continue for a period of several months."

Insulation. Low Pressure. Increased activities were noticed during the last 45 days of 1947. Both jobbers' and contractors' demands have increased. The business written assures an active market for the first quarter of 1948. One

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Mines

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NEW YORK, N. Y. ..... CONNELL ASBESTOS MFG. CO.
Bldg. 1, Atlas Terminal
Glendale 27, L. I.

SAN FRANCISCO, CALIF. ..... LIPPINCOTT CO., INC.
401 Market Street

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manufacturer believes that December was the largest volume month the Industry has experienced. Sectional pipe covering is in greater demand than boards.

Asbestos-Cement Products. In the United States 1947 has been a record year in the production of practically all asbestos-cement products. Despite serious shortages in the world's supply of asbestos fibre, which may limit further increases in this year's production, the supply seems to have been sufficient to enable the Industry to turn out more roofing shingles, siding, wallboards, corrugated sheets, and pipe, in this country than in any previous year.

Manufacturing costs, however, have increased substantially, necessitating some increases in prices, altho manufacturers apparently have made sincere efforts not to increase prices more than higher costs necessitated, and to depend on record volume for reasonable profits.

The demand for asbestos-cement products of all kinds continues to be substantially in excess of the available supply.

The market in asbestos pipes is expected to continue strong. Indications are that manufacturers will be quoting 1949 delivery by March 1st, 1948.

The above comments and opinions have been sent us by various executives in close touch with field conditions. Comments from all readers are welcome.

CONSTRUCTION

November Gains.

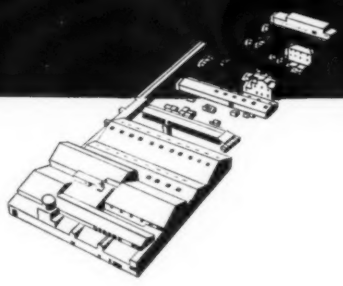
Investment commitments for construction in the thirty-seven states east of the Rocky Mountains in November increased 42 per cent over the total reported for November 1946, to bring the cumulative volume for the first eleven months of 1947 to a point slightly higher than that reported for the corresponding period of 1946.

In an analysis of construction trends, F. W. Dodge Corporation, reports that the sharp November upswing was sufficient to offset the building recession of the second quarter of 1947, with a clear indication that the year 1947 would exceed 1946 in total volume.

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ASBESTONE
CORPORATION

Manufacturers
Asbestos-Cement
Building Products



FACTORY AND SALES OFFICE
5372 TCHOUPITOULAS ST., NEW ORLEANS, LA.

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CONSTRUCTION (Contd.)

Construction contracts reported in the eastern states totaled $715,108,000 in November. The cumulative total for the first eleven months was $7,134,505,000 against $7,032,444,000 reported for the corresponding period of 1946.

Johns-Manville Comments.

A larger volume of new home construction in the United States than at any other time since the early twenties can be anticipated for 1948 and Johns-Manville production of materials for this field is expected to be 20% greater than in 1947, according to Harold R. Berlin, Vice President of Johns-Manville Corporation, and General Manager of its Building Products Division.

"If business in general remains at a high level in 1948 and the building industry exercises restraint in the matter of costs and prices, approximately $15 billion of new construction appears entirely possible. Together with five or six billions of repair, maintenance and remodelling construction, a twenty billion dollar year is entirely possible.

"The biggest factor should be residential as here the need is greatest. Residential expenditures should run at least a billion dollars higher than in 1947."

Mr. Berlin pointed out that the building industry must hurdle threats of new governmental controls, labor unrest, shortages and inflation, to record a twenty billion dollar year.

. . . —

The Annual Convention and Exposition of the National Association of Home Builders will be held in Chicago, February 22 to 26, at the Stevens and Congress Hotels. Over 13,000 builders, contractors, realtors and others connected with the building industry attended the Exposition in 1947.

. . . —

We should always keep a corner of our minds open and free, that we may make room for the opinions of our friends.—Joseph Joubert.

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Mines—South Africa

PRODUCTION STATISTICS

Canada

(Department of Mines, Province of Quebec)

October 1947 ..... 59,462 tons (2000 lbs.)
October 1946 ..... 55,671 tons (2000 lbs.)

Preliminary figures on Canada's production in 1947 sets the total for the year at 662,533 tons (2000 lbs.) worth $31,800,000; compared with 558,181 tons worth $25,200,000 in 1946. These figures are published by the Department of Trade and Commerce, Dominion Bureau of Statistics, Ottawa, Canada.

Africa (Rhodesia)

(Rhodesia Chamber of Mines)

Production for
September 1947—4,504.03 tons (2000 lbs.) valued at £152,615

Africa (Swaziland)

Production for
October 1947 ..... 2,455 tons (2000 lbs.)

AUTOMOBILE SALES[1]

	November 1947	Jan. to Nov. 1947
Passenger Cars	305,148	3,191,239
Motor Trucks	87,611	1,119,065
Motor Coaches	1,417	17,391
	394,176	4,327,695

In October total sales were 436,001.

Total sales in November 1946 were 371,156; for the first eleven months of 1946 they totalled 2,713,815.

These figures cover the United States only.

[1]Figures supplied by the Automobile Manufacturers Association, New Center Building, Detroit, Mich.

. . . —

The simple virtues of willingness, readiness, alertness and courtesy will carry a man farther than mere smartness.—Davison

. . . —

A determined man can do more with a rusty wrench than a loafer can with all the tools in a machine shop.
—Hughes

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RUBBER CEMENT

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IMPORTS AND EXPORTS

Imports into U. S. A.
(Figures by Bureau of Census)
Unmanufactured Asbestos — By Countries

	October 1947 Tons (2240 lbs.)
From Canada	43,509
S. Rhodesia	398
Union of S. Africa	1,480
U. S. S. R.	492
	45,879
Value	*$2,513,446*
By Grades:	
Crude No. 1 (Chrys) Canada	17
Crude No. 2 (Chrys) Canada	36
Crude No. 2 (Chrys) S. Rhodesia	188
Crude Other (Chrys) Canada	21
Crude Other (Chrys) S. Rhodesia	150
Crude Other (Chrys) U. of S. Africa	250
Crude Other (Chrys) U. S. S. R.	492
Crude (Blue) U. of S. Africa	850
Crude (Amosite) U. of S. Africa	380
Textile Fibres (Chrys) Canada	1,695
Textile Fibres (Chrys) S. Rhodesia	60
Shingle Fibres (Chrys) Canada	6,503
Paper Fibres (Chrys) Canada	4,824
Fibres—Other (Chrys) Canada	30,413
	45,879

Manufactured Asbestos Goods	October 1947 Quantity (Lbs.)	Value
Asbestos Yarn		
United Kingdom	12,618	$8,307
Asbestos Packing—Fabric		
United Kingdom	554	512
Asbestos Woven Fabrics (Other)		
Canada	130	16
United Kingdom	3,781	2,921
Other Asbestos Manufactures		
Canada	...	2
	17,083	$11,758

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PHILLIPS ASBESTOS MINES

Producers of

CRUDES

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Fiberized Asbestos

The World's Finest Fibre



DRAWER 71 **GLOBE, ARIZONA**

Mines and Mills in Gila Co., Arizona

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Exports from U. S. A.
(Figures by Bureau of Census)

Unmanufactured Asbestos

	October 1947	
	Tons (2240 lbs.)	Value
To Argentine	58	$10,400
Brazil	18	3,200
Venezuela	47	9,306
Italy	16	2,350
Netherlands	1	600
Portugal	47	23,055
Phil. Islands	25	3,734
Australia	1	750
Other Countries	2	250
	215	$53,645

Manufactured Asbestos Goods

Asbestos Paper, Mlbd. & Rlbd.	Lbs. 152,199	$19,929
Asbestos Pipe Covg. & Cement	Lbs. 282,494	24,253
Asbestos Textiles & Yarn	Lbs. 72,999	39,540
Asbestos Packing	Lbs. 238,611	176,561
Asbestos Brake Lng. (Mld.&S. Mld.)	Lbs. 235,752	216,639
Asbestos Brake Lng. (Woven)	L. Ft. 64,237	47,272
Asbestos Clutch Fcgs. (Mld.&S. Mld.)	No. 133,276	70,423
Asbestos Clutch Fcgs. (Woven)	No. 28,272	14,513
Asbestos Brake Blocks (Mld.&S. Mld.)	Lbs. 67,382	58,419
Asbestos Brake Blocks (Woven)	Lbs. 3,970	3,883
Asbestos Sheets	Lbs. 583,409	39,145
Asbestos Roofing	Sqs. 25,283	154,142
Other Asbestos Manufactures	Lbs.	94,328
		$958,997

• • • —

Tact Formula: Be brief, politely; be aggressive, smilingly; be emphatic, pleasantly; be positive, diplomatically; be right, graciously.

• • • —

The darkest shadows of life are those a man makes when he stands in his own light.—Al Rich

Research, designer and superintendent asbestos cement, siding shingles, roofing, sheeting, corrugating and ebony board (asbestos cement pipe and conduit). Available after February, 1948. **Address Box 12W-0, Asbestos, 17th Fl., Inquirer Bldg., Phila. 30, Pa.**

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NEWS OF THE INDUSTRY

BIRTHDAYS

Stanley Woodward, Vice President in Charge of Southern Division, The Ruberoid Co., Baltimore, Md., January 17.

A. F. Heinsohn, General Manager, General Asbestos & Rubber Division, N. Charleston, S. C, January 17.

A. F. Matheis, Assistant Vice President, Thermoid Co., Trenton, N. J., January 17.

R. W. Lea, President, Johns-Manville Corp., New York City, January 18.

Sydney L. Miller, Secretary, Asbestos Products Mfg. Corp., Newark, N. J., January 18.

Harry M. Shackelford. Vice President, Johns-Manville Corp., New York City, January 18.

E. C. Nankervis, President, Magnesia-Asbestos Insulation Co., New York City, January 19.

G. D. Crabbs. Honorary Chairman, The Philip Carey Mfg. Co,. Lockland, Cincinnati, Ohio, January 22.

R. W. Bair, District Manager, Armstrong Cork Co., Philadelphia, Pa., January 23.

L. Diener, President, Smith & Kanzler Corp., Linden, N. J., January 23.

F. H. Neher, Vice President and Director, The Flintkote Co., New York City, January 27.

James H. Watters, President, Union Asbestos & Rubber Co., Chicago, Ill., January 30.

Lt. Col. J. G. Ross, Director, Asbestos Corporation Limited, Thetford Mines, P. Q., Canada, February 1.

L. M. Simpson, Vice President, The Flintkote Co., New York City, February 1.

Alden A. Lofquist, President, Norristown Magnesia & Asbestos Co.. Norristown, Pa., February 3.

Arthur I. Rank, Universal Insulation Co., Philadelphia, Pa., February 5.

Richard Matthews, Manager, Insulation Dept.. Warren & Bailey Co., Los Angeles, Calif., February 6.

George V. Parker, Chairman, Cellactite & British Uralite Ltd., Higham, Rochester, Kent, England, February 8.

Wm. A. Bartelt, President, Bartelt Asbestos & Cork, Inc., Appleton, Wis., February 10.

Raymond P. Townsend, Vice President, Johns-Manville Corp., New York City, N. Y.. February 10.

H. A. Hirschfeld, President, Standard Asbestos Co., Inc., New York City, February 11.

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Lewis H. Brown, Chairman, Johns-Manville Corp., New York City, February 13.

Herbert L. Levine, President. Asbestos Products Mfg., Newark, N. J., February 13.

Robert W. Steele, President, Asbestos Corporation Limited, Thetford Mines, P. Q., Canada, February 15.

To all these gentlemen we extend congratulations and best wishes on the occasion of their birthdays.

• • • —

BIRD & SON HAVE RETIREMENT PLAN

Employees of Bird & Son, Inc., East Walpole, Mass., are now covered by a retirement plan, according to an announcement made by A. H. Anderson, President. The company is bearing the entire cost of the program. It provides annual income upon retirement at age 65 for men (60 for women), death benefits in case an employee dies before retirement, and cash payments to employees who leave the company before reaching retirement age. Workers become eligible after five years of continuous service in the company. Covered by the plan are three thousand workers, which include the employees of Berry Asphalt Company, a wholly owned subsidiary.

The two companies, after making provision for a reasonable return on capital, are contributing to the retirement fund one-third of the remaining earnings each year that such earnings are made. For the year 1947 this amounts to approximately $800,000.

PARAFFINE STOCKHOLDERS TO VOTE COMMON STOCK SPLIT

Meeting for stockholders of The Paraffine Companies, Inc. (parent of Plant Rubber & Asbestos Works) to vote to split the common stock on the basis of three shares for one has been set for 11.00 A. M., January 22, at the corporation's offices, 475 Brannan St., San Francisco.

The necessary amendment to the corporation's Certificate of Incorporation will be voted on to increase the authorized number of shares of common stock from 700,000 to 2,500,000 shares, and to change and convert each share of issued and outstanding common stock into three shares of the same stock without any change in the capital of the corporation.

This split-up of the common stock will benefit the corporation and its stockholders by providing a broader and more diversified market for the common stock, in the opinion of the Company's Directors and Officers.

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• BLUE ASBESTOS

The Cape Asbestos Company, Ltd., is the world's largest supplier of acid-resistant blue crocidolite asbestos, and the only manufacturer operating its own mines. Inquiries solicited on:

MILLBOARD **YARNS**
ROVINGS **POWDER** **CLOTHS**
PROCESSED FIBRES
Unexcelled for use in
ASBESTOS CEMENT PIPES

• AMOSITE ASBESTOS

This fibre owing to its great length and bulk is unrivalled for use as an insulating medium in:

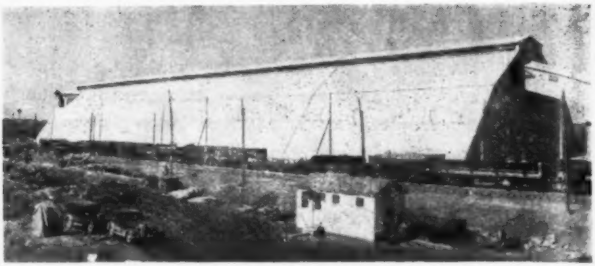
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415 LEXINGTON AVE. **NEW YORK CITY**
TELEPHONE—VANDERBILT 6-1477

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NEW J-M ROCK STORAGE BUILDING
Holds 60,000 Tons of Asbestos Ore



The new dry rock storage building recently erected at Asbestos, Que., Canada, by Johns-Manville, is impressive in both size and shape. The building is 496 feet long and 90 feet wide. It has a storage capacity of 60,000 tons of asbestos rock. However 60,000 tons is only a 6½ to 9 day supply, which gives some idea of the immensity of the milling operations at this, the largest asbestos mine in Canada.

The building is constructed of structural steel with wood sheathing, covered roof and sides with corrugated Transite[1] asbestos-cement sheets—1,103 squares of the material being required.

The new storage building will permit retaining the ore several days in storage, thus equalizing temperature and moisture conditions before milling, and also insuring a steady flow of ore to the crushing mill. It will also permit bedding of the ore, that is, filling horizontally or diagonally and reclaiming vertically, thus resulting in an effective mixing of that ore over a period of several days. Another advantage is the effective unifying of the operations of the mill and mine, and allowing a backlog of asbestos ore.

The new storage building will raise the milling rate to 336 tons of ore per hour, or an annual production rate of 243,396 tons of asbestos fibre, which is 25% over the present rate.

[1]J-M's trade name for its Asbestos-Cement Roofing and Siding Products.

STANDARD ASBESTOS, CHICAGO ELECTS OFFICERS

At the annual meeting of the Stockholders of the Standard Asbestos Manufacturing Company of Chicago, held in November, the following were elected directors and officers of the Corporation: Matthew J. Fitzgerald, President and Director; Edward J. Ewald, Vice President and Director; Vincent W. Hemphill, Secretary and Director; Frank L. Sowka, Treasurer and Director; John J. Kelly, Director.

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INDUSTRIAL SERVICE COMPANY

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ASBESTOS CEMENT MACHINERY

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Asbestos Fabrics — Asbestos Tape

Textile Division

UNITED STATES RUBBER COMPANY

1230 AVENUE OF THE AMERICAS, NEW YORK 20, N. Y.

*Reg. U. S. Pat. Off.



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A. C. P. A. APPOINTS NEW MANAGER

The appointment of Chester C. Kelsey as Manager of the Asbestos Cement Products Association, effective January 1, has been announced by Stuart H. Ralph, association president. Association offices are being moved from Philadelphia to New York.

Mr. Kelsey comes to his new position from the National Association of Wholesalers, where he was vice-president. He succeeds Donald Tulloch, Jr., manager of the association since its inception in 1937. Mr. Tulloch will expand his personal enterprises in the asbestos and allied fields, in which he has been active for the past twenty-five years.

Mr. Kelsey also succeeds Mr. Tulloch as association secretary. The position of treasurer, formerly held by Mr. Tulloch, has been taken over by Samuel P. Moffit, executive vice-president of the Ruberoid Company, who will serve until the annual meeting in June.

A graduate of the University of California. Mr. Kelsey has spent more than twenty years in the lumber and building materials field. To get basic experience in the lumber business he worked for three years in West Coast saw mills. He then went to the East Coast as a lumber salesman. For seventeen years he was with A. C. Dutton Lumber Corp. of Poughkeepsie, N. Y., and from 1941 to 1946 was divisional manager of its wholesale plant in New Haven, Conn.

He helped organize and served as secretary and treasurer of both the Connecticut Salesmen's Association and the Northeastern Salesmen's Conference. While in New Haven he was a member of the board of education, director of the city's War Council and active in other civic and community affairs.

Headquarters for Mr. Tulloch's enterprises will be maintained at Chadds Ford, Pa. He has been licensed to manufacture and market a new asbestos board cutter which recently was developed in the industry. This cutter, which operates on the shearing jig principle, has the endorsement of a number of leading producers of asbestos cement materials. In addition, Mr. Tulloch will manufacture and sell asbestos shingle cutters and other tools. He also will act as consultant to several firms outside the asbestos industry.

The location of the Asbestos Cement Products Association's New York Office is 509 Madison Avenue.

J-M DECLARES DIVIDEND

At a regular meeting of the Board of Directors of Johns-Manville Corporation, held December 17 at the company's offices, a dividend of 87½c per share was declared on the 3½% Cumulative Preferred Stock of the Corporation, payable February 1, 1948 to stockholders of record at the close of business January 9, 1948.

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ROBERT R. McGEE ON TECHNICAL STAFF U. S. RUBBER

Robert R. McGee has been appointed to the technical staff of the textile division, United States Rubber Company, with headquarters in New York. He was formerly technical supervisor of the company's Reid Mill in Hogansville, Ga., which makes duck used in the production of belting, hose and other industrial products. He has been associated with the company's textile division for nine years.

ASBESTOS CORPORATION LIMITED
Appoints A. L. Penhale, Manager

R. W. Steele, President, and the Board of Directors of Asbestos Corporation Limited, announce the appointment of Alfred L. Penhale as Manager of the Company.

Mr. Penhale will continue to act in his capacity of Secretary. His appointment comes at the conclusion of 23 years of service with the Company, during which he has held various executive positions including those of Sales Manager and Secretary.

PATENTS

This information obtained from the Official Patent Gazette, published weekly by the U. S. Patent Office, Washington, D. C.

Copies of patents can be obtained by sending 25c (in coin) to The Commissioner of Patents, Washington, D. C., giving the patent number, date it was issued, name of patentee and name of invention.

Sheet Gasket Material. No. 2,428,771. Granted on October 14, 1947 to Richard Almy, Lancaster Township, Lancaster Co., Pa., assignor to Armstrong Cork Co., Lancaster, Pa. Application June 16, 1944. Serial No. 540,755.

In the method of making sheet gasket material the steps which comprise mixing inorganic fibres with an aqueous dispersion of a heat curable binder material evaporating substantial of the water from the mixture to form a substantial dry crumbly mix, adding to said crumbly mix a tack-creating solvent for the binder, calendering the treated mix into a sheet, pressing the sheet at an elevated temperature to smooth the surface of the sheet and curing the binder.

Button Locked Down Weather Surfacing Elements. No. 2,429,456. Granted on October 21 to George A. Fasold, Mt. Healthy, and Walter V. Leibrook, Hamilton, Ohio, assignors to Philip Carey Mfg. Co. Application October 25, 1944. Serial No. 560,255.

A weather surfacing covering comprising courses of overlapping elements each of which comprises a body having an exposed tab portion a slot formed on an edge of the tab and a slot formed on another edge of the weather exposed tab, said slots being disposed at an angle to each other, a portion of the

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slots in overlapping elements being in registration and portions of the slots being bridged by adjacent elements and a fastening means projecting thru the registering portions of the slots.

Thermal Insulating Conduit. No. 2,430,275. Granted on November 4, 1947, to William D. Callan, Cincinnati, Ohio, assignor to Philip Carey Mfg. Co., Cincinnati, O. Application January 15, 1946. Serial No. 641,298.

An air conduit comprising a rectangular tubular core and an insulating covering disposed about the core, composed of angular corner slabs and flat slabs, adhesive applied to bond the slabs to the core, and fastening clips having an end anchored beneath a corner strip and extended to overhang the outer margin of the flat slabs.

BOOK LIST

Asbestos Mining Methods. By C. V. Smith. (Reprint) 16 pages. 25c per copy, discount in quantities of 50 or more.

Milling Asbestos. By J. C. Kelleher. (Reprint) 16 pages. Companion article to Asbestos Mining Methods. Both should be in every Asbestos Library, 25c per copy, discount in quantities of 50 or more.

Recovery of Raw Asbestos. By Roland Starkey. (Reprint) 6 pages. Supplement to Milling Asbestos. 25c per copy, discount in quantities of 50 or more.

The Asbestos Factbook, 16 pages. Information in compact form on origin, facts, locations, uses, analyses, qualities, 10c per copy.

Canadian Chrysotile Asbestos Classification. Including latest Quebec Testing Method. 30c.

Twelve Estimating Tables, with Chart. Convenient in figuring flange fittings and other areas. $1.00 per set.

Manual of Unit Prices (for figuring pipe covering and blocks) 35c per copy postpaid.

Processing Asbestos Fibres. 8 pages. (Reprint) 25c per copy

Tests for Cotton Content. 4 pages (Reprint) Describing several methods of testing asbestos textiles for cotton content. 10c per copy.

Chart—Dollars Cost of Uninsulated Pipe. (Reprint) 25c each

Asbestos: A Magic Mineral, by Lilian Holmes Strack. Written for school children but should be in every Asbestos library. $1.00 per copy.

Asbestos—The Silk of the Mineral Kingdom, by Oliver Bowles. 40 pages about asbestos, from mine to finished product, in plain language, illustrated. 25c a copy.

Order any of the above from "ASBESTOS", 17th Fl., Inquirer Bldg., Philadelphia 30, Pa.

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AFTERTHOUGHTS

¶ The forms for Census Report of Manufactures will reach manufacturers this month (January 1948). In the interest of early statistics on 1947, fill them in and send them in as promptly as possible. The last report of this kind was taken on 1939 activities, thoroly out of date by now. The Industry *needs* the 1947 figures as quickly as possible.

¶ We wish to thank those who sent in Greetings (see pages 3 to 13 inclusive). Our readers will find these very interesting.

¶ Two large asbestos firms are celebrating their 75th Anniversary during 1948. Watch for their histories which will appear in later issues.

¶ The second in the geological series of articles begins on page 16. We plan to publish another one in March—on Vermont.

¶ Photographs (with full descriptions) of new buildings erected in the expansion programs wanted. Note page 42.

¶ And again we wish our readers

A Happy and Prosperous 1948

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CURRENT RANGE OF PRICE

As of January 10, 1948

Canadian—	Per Ton (2000 lbs.) f.o.b. Mine
Group No. 1 (Crude No. 1)	$800.00
Group No. 2 Crude No. 2; Crude Run-of-Mine and Sundry	$302.50 to 545.00
Group No. 3 (Spinning or Textile Fibre)	170.50 to 354.50
Group No. 4 (Shingle Fibre)	82.50 to 127.00
Group No. 5 (Paper Fibre)	58.00 to 73.50
Group No. 6 (Waste, Stucco or Plaster)	43.00 to 47.50
Group No. 7 (Refuse or Shorts)	19.50 to 44.50
Vermont— Per Ton of 2000 lbs. f.o.b. Hyde Park or Morrisville, Vt.	
Group No. 4 (Shingle Fibre)	$92.50 to $102.50
Group No. 5 (Paper Fibre)	65.00 to 73.00
Group No. 6 (Waste, Stucco or Plaster)	48.50
Group No. 7 (Refuse or Shorts)	25.50 to 44.50

Note: Crude Run-of-Mine (Canadian) refers to a crude asbestos produced in certain mines where Crude Fibre is not graded into regular No. 1 and 2 Crude. Crude Sundry refers to certain odd lots of off material which do not conform to the regular standards of No. 1 Crude or No. 2 Crude.

ASBESTOS STOCK QUOTATIONS

(These figures are compiled from the Commercial and Financial Chronicle. No guarantee made as to their correctness).

		December 1947		
	Par	Low	High	Last
Armstrong Cork Co. (Com.)	np	46½	50	49¼
Armstrong Cork Co. (Pfd.)	np	91	97¾	94
Asbestos Corp. (Com.)	np	24½	27¾	26½
Asbestos Mfg. Co. (Com.)	1	1⅝	2¼	2
Celotex (Com.)	np	25⅞	27¼	27⅛
Celotex (Pfd.)	20	19⅝	20¼	20
Certainteed (Com.)	1	16¼	17½	16⅞
Flintkote (Com.)	np	33⅜	38¼	37½
Flintkote (Pfd.)	np	98	102	102
Johns-Manville (Com.)	np	39	43	41
Johns-Manville (Pfd.)	100	107½	116¼	111½
Raybestos-Manhattan (Com.)	np	30	33½	31¾
Ruberoid (Com.)	np	59	68	65
Thermoid (Com.)	1	9⅝	10⅛	9¾
Thermoid (Pfd.)	50	45	50	46
Union Asb. & Rubber (Com.)	5	10⅛	12⅝	10⅞
U. S. Gypsum (Com.)	20	100	106	106
U. S. Gypsum (Pfd.)	100	170¼	183	171
U. S. Rubber (Com.)	10	40¼	47¼	46
U. S. Rubber (Pfd.)	100	127	137	135

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THERMAL INSULATIONS *by Ehret*

FOR EVERY INDUSTRIAL NEED

85% MAGNESIA . . . Pipe coverings, blocks and cement. For temperatures up to 600° F.

ENDURO . . . Used for temperatures from 600° F to 2000° F. Also in combination with 85% Magnesia.

D. I. P. . . . Pre-sealed, factory-fabricated and insulated units for underground pipe lines.

VALLEY FORGE PACKINGS . . . A complete line of Asbestos, Rubber, Flax, and Rayon packings for every purpose.

ALSO, Low Pressure Coverings, Hair Felt, Mineral Wool, Asbestos Paper, Millboard and Insulating Cements.

EHRET MAGNESIA MANUFACTURING COMPANY

VALLEY FORGE PENNSYLVANIA



Ehret's 85% Magnesia and other heat insulating materials are fully treated, both as to selection and application, in the Ehret Insulation Handbook, which will be sent free upon request.

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SOUTHERN ASBESTO

ROVING

Southern Asbestos Roving—a single cord of untwisted asbestos fibre—widely used to flame-proof many types of electrical wires and cables. Carefully selecting the proper fibres, Southern cards them and condens or rubs them to produce uniform strands of roving with maximum tensile strength.

Southern Asbestos has had over 25 years of specialized experience in developing and manufacturing Asbestos Textiles and Textile Products. Its technical and production facilities are available to solve your problems.



Southern Asbestos Ro supplied in many typ sizes—in tubes, cones or Write for illustrated Fol 1003.

COMPLETE LINE OF ASBESTOS TEXTILE PRODU

THREAD • CORD • CLOTH • ROPE • YARNS • CARDED
TUBING • LISTING TAPE • WICKING AND OIL BURNER

SOUTHERN ASBESTOS COMPANY CHARLOTTE

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