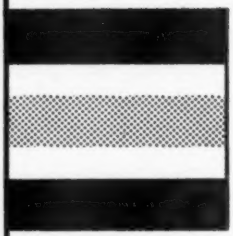
ASBESTOS



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1950 - A YEAR OF OPPORTUNITY

Every year, of course, is a year of opportunity for those who take their responsibilities and their vocations seriously. And from communications received by us recently it would seem that those in the Asbestos Industry realize more and more as time goes on the great need there is for really creative and productive work in the Industry.

Read the various Greetings beginning on page four—almost all voice a real desire for progress; read the two editorials in this same issue, one by J. M. High, Manager Insulation Sales, The Ruberoid Co., and the other by Ray Thomas, President of the Thermal Insulation Society; in both the same desire appears.

It would seem that there is plenty of room for improvement—in both products and in methods, and thruout the Industry there are men earnestly thinking what can be done to accomplish such improvement.

We of "ASBESTOS" have made "SERVICE" our watch word for 1950. "ASBESTOS" can help most by recording the progress made in each part of the Industry during the year and by keeping our readers advised of the work being done in all divisions of the Industry—mining, manufacturing, distribution.

Help us to help you by keeping us advised of any improvements in products themselves, in their making and in their application.

Yes—1950, the Year of Opportunity, lies before us. Let us use it to the utmost. Our best wishes for your success and

A HAPPY AND PROSPEROUS NEW YEAR

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WHAT IS SUCCESS?

IT'S doing your work the best you can,
And being just to your fellow-man;
It's making money, but holding your friends,
And staying true to your aims and ends.
It's figuring how and learning why,
And knowing where the pitfalls lie,
It's dreaming a little and doing much;
It's keeping always in closest touch
With what is finest in word and deed;
It's being thorough, yet making speed,
It's daring blithely the field of chance
With making labor a brave romance;
It's going onward despite defeat,
And fighting staunchly, but keeping sweet;
It's being clean and playing fair;
It's laughing lightly at Dame Despair;
It's looking up at the stars above,
And drinking deeply of life and love;
It's struggling on with a cheerful grin,
It's heeding the cry in the tempest's din;
And making better this good old earth;
It's sharing sorrow, and work and mirth;
It's serving, striving through strain and stress;
It's doing your noblest—That's Success.

THE NEW COVER PHOTO

The cover shows a unique view of the Nozawa Asbestos Mine in Hokkaido, Japan. Chrysotile variety of asbestos is produced in this mine.

It is the largest producer in Japan; in the 6 years from 1942 to 1947 inclusive, 13,529 metric tons (14,913 short tons) were mined. Most of this was of Grades No. 5 to 7; only about 12 tons were suitable for spinning.

The sheds shown in the picture were puzzling until it was explained to us that deep snows occur in this part of Japan in winter and it is necessary to have protecting sheds over the haulage tracks.

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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—we simply quote the Greetings as received.

J. F. Rohrbach, President, Raybestos-Manhattan, Inc.

To all our good friends in the Asbestos Industry:

We close another year with our thoughts directed to the Prince of Peace.

We can look forward to the New Year 1950 with confidence in the American way of life, realizing that new challenges will have to be met with honest thinking, a proper appraisal of the facts and unselfish action which will result in bringing the greatest good to the largest number.

We should be proud of the progress made by those composing the Asbestos Industry; so many have contributed much to the improvement of asbestos products which are so essential to the American Industrial Way of Life.

During 1950 we should continue to develop methods leading to the conservation of asbestos fibre by eliminating waste. Equally important, we should accelerate our efforts towards the development of new products and new processes.

At Raybestos-Manhattan we have faith in ourselves as we continue our research and development program and we also realize that great strides have been made, and will continue to be made, by others in the Asbestos Industry.

And now may I wish all co-workers in the Asbestos Industry, Good Health, Peace of Mind and Soul, and Happiness in their work during 1950.

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

Holiday Greetings and best wishes for 1950 to the members of the Asbestos Industry. New starts in the construction industry this fall have been most encouraging and the increased acceptance of asbestos-cement products for building should result in a substantial demand for fibre during the coming year.

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Bird's eye view of service buildings adjoining J-M Mine at Asbestos, Quebec.

AFD

ASBESTOS FIBRE DIVISION
Canadian Johns-Manville Limited
814 Sun Life Bldg. (Telephone: Marquette2421) Montreal, P. Q., Canada

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Ernest Muehleck, President, Keasbey & Mattison Company.

Thru the courtesy of "ASBESTOS" it is again a great pleasure to extend to all its readers our best wishes for a Happy, Prosperous and Peaceful New Year.

We enter the year 1950 confronted with many domestic and foreign problems, both economic and political, and in order to stem the current tide which threatens our freedom, as well as that of our children, let us all resolve actively to do our part and soundly to express ourselves within our own community and State, realizing full well that hard productive work and eternal vigilance are required to blot out the "Fable of the Free Lunch".

Clifford F. Favrot, President, Asbestone Corporation

It is a pleasure, thru "ASBESTOS", to extend the Season's Greetings and wish a Happy New Year to the members of the Asbestos Industry.

Business in general appears to be good, and, in particular, the siding field seems to be on the threshold of a banner year.

From all indications it would seem that the Asbestos-Cement Industry should have a better year in 1950 than it enjoyed in 1949.

We certainly hope that we will not again be confronted with a strike of such long duration as was experienced at the asbestos mines last year.

I am sure that the members of our Industry are alert to the opportunities in our line, and are thoroly capable of accepting the challenge of meeting the expanding needs.

R. H. Chase, Manager, Insulations Division, The Paraffine Companies, Inc.

The Yuletide and close of the year always occasion pause for reflection. During this Holiday Season, I want to extend warmest wishes for Christmas and the New Year to my friends and associates thruout the Industry. I sincerely hope the old year has brought you good health, happiness and prosperity and that the New Year will be even more fruitful for you in every way.

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PIONEERS IN ASBESTOS

...for every purpose



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John W. Humphrey, President, The Philip Carey Mfg. Co.

We of the Carey organization are delighted with this opportunity of extending the season's greetings to our many good friends in the Asbestos Industry.

While the general run of statistical information indicates that 1950 will reveal a slightly lower construction volume, we strongly feel that our industry should more than hold its own with competitive materials in the building field, providing product design and quality improvement, coupled with cost reduction and top-fight sales effort are given major attention. As we all fully realize, building costs play a very major part in determining the volume of construction to be done and keeping our product prices at a reasonable level will, in the long run, insure the trend of their increased usage in future building specifications.

In availing ourselves of this privilege of voicing our sentiments in this publication, we acknowledge with sincere appreciation the fine spirit of good fellowship so well sponsored by the editors and staff of "ASBESTOS".

A. L. Penhale, President, Asbestos Corporation Limited.

As 1949 draws to a close, it gives me great pleasure to send thru the medium of your magazine our best wishes for the New Year to all our friends in the industry.

For ourselves, the past year tho good in some respects, was marred by the loss of several of our most valued employees including our kind and able Board Chairman, Mr. R. W. Steele.

Together with other producers, we were faced with a crippling four and a half month strike. The shortage of all grades of asbestos fibre was thus not alleviated,—on the contrary, it was intensified.

I should like to take this opportunity to thank all our customers for their patience and expressions of good will during that difficult strike period. As for the coming year, we hope that with improved relations with our labor force, we can and will achieve our goal of sustained and satisfactory service to the whole Asbestos Industry.

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Asbestos Heat Insulations and Cements
Asbestos Packing • Asbestos Roofing Felts
Asbestos Paper and Millboard
Asbestos Prefabricated Ducts
Asbestos Shingles and Siding
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Herbert Abraham, President, The Ruberoid Co.

For the building materials industry, which constitutes one of the major markets for asbestos, 1949 was, on the whole, a satisfactory year. What the long-term future may have in store, no one, of course, can foretell. In the present situation in the general building field, however, there are a number of indications of an encouraging nature.

It is true, of course, that our whole national economic picture is still much confused. Whatever the problems 1950 may bring forth, however, I am confident that the members of the asbestos industry will be found doing their full share toward meeting them.

With that thought in mind, I wish to express to all my sincere appreciation of the pleasant relations that have existed among us and to extend to all my heartiest wishes for a happy and successful New Year.

Harry E. Humphreys, Jr., President, United States Rubber Company.

It is a genuine pleasure to extend the Season's Greetings and Best Wishes for the New Year to "ASBESTOS" and your readers.

Looking back over the past year, we realize how much progress has been made by industry in recognizing its greatest problem. This problem is not economic or political, as great as these problems are. It is human. It is the problem of the dignity of man, of the sacredness of human rights.

In this holiday season our hearts are filled with good will and a desire for a happy and prosperous New Year for all mankind. Let us hope that this spirit can be translated into good human relations by people in all fields of endeavor during the coming year.

I believe that the key to meeting and solving our greatest problem is set forth in the age-old philosophy: "Do unto others as you would have them do unto you."

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Lewis H. Brown, Chairman of the Board, Johns-Manville Corporation.

Greetings to the Asbestos Industry!

The continuing world shortage of asbestos fibre is a challenge, I believe, that our industry still faces in 1950.

We in Johns-Manville are pledged to increase the production of asbestos fibre to meet the needs of our factories and of our customers. To this end, the new Canadian Johns-Manville Munro Mine, near Matheson, Ontario, is planned to begin operations in mid-1950.

This expansion of production facilities is costing large sums of money, but Johns-Manville feels that the asbestos industry cannot stand still. We must look to the future and be ready for it.

I feel sure that this attitude is typical of our entire Industry which has contributed so much to progress in the construction and industrial fields in the past, and confidently expects to continue to do so in the future.

We are pleased to take this means of greeting all members of the Asbestos Industry and extending our best wishes for the year ahead.

Fred Schluter, President, Thermoid Company.

As 1949 comes to a close we feel quietly confident.

1949 we could probably call the "back to normalcy" year. Almost everybody in industry found it a good year for self improvement, both from a company standpoint and as individuals. We hope that we, as individuals, and collectively at Thermoid have improved sufficiently to be more competitive in the months ahead, because certainly everything in the atmosphere indicates that the period ahead will be more difficult from a competitive and from a price standpoint. We hope that our mining friends in Canada and any Canadian officials who influence prices will take heed.

We have a quietly confident outlook for 1950 for this Company. We wish all of our friends far and wide good luck for 1950.

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

I take this opportunity, extended each year by "ASBESTOS", to extend to the members of the Asbestos Industry my cordial greetings and best wishes for prosperity during the coming year.

Alden A. Lofquist, President, Norristown Magnesia & Asbestos Company.

We at Norristown have completed a year of activity and progress despite the difficulties encountered by all of us in this fast moving age. We face 1950 confident that it will offer similar opportunities for accomplishment altho accompanied, assuredly, by the problems brought about by an ever changing world.

With the sincere expression of good-will to all our friends in the Asbestos Industry, we repeat: A HAPPY AND PROSPEROUS NEW YEAR.

THE PREFABRICATED HOUSING INDUSTRY

The prefabricating housing industry has up to the present been one of generally small establishments, high mortality and rapid turnover, says a report issued in November by the Bureau of Employment Security, Washington, D. C. Out of a list of 140 firms presumed to be active in prefabricating housing manufacture on January 1, 1949, a survey recently completed indicated that 24 had gone out of business or were unknown. Thirty-five others did not report at all.

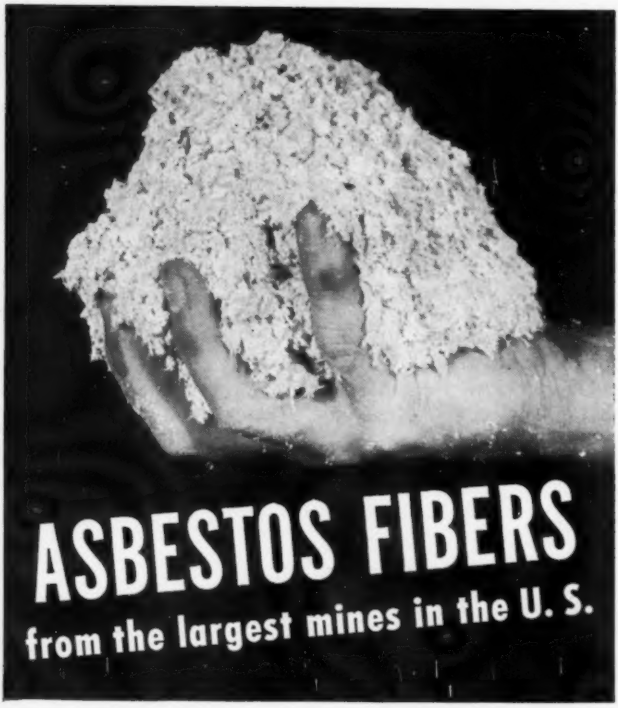
A total of 32 firms registered an employment gain of 1,500 workers, (from 3,840 to 5,420). More than half the firms had employment increases.

. . . —

It is unhealthy to carry into today and preserve for tomorrow the mistakes and failures of yesterday.

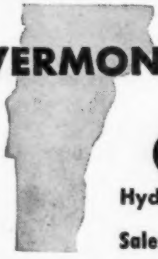
—Norman Vincent Peale.

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A CHALLENGE TO THE INSULATION INDUSTRY

By J. M. High[1]

Our Industry has advanced from the so-called "Pipe Covering business" to the "Insulation Industry".

The process industries are maintaining engineers specializing in insulation and, prior to the application of our products, scientifically calculate heat losses and temperatures both in the equipment and outside of the insulation. Actually our customers are dragging our industry along with them; many within our Industry are not as skilled in making recommendations based on scientific calculations as is the customer.

Modern designs for industrial steam plants, power houses, ship-building, etc., utilize higher temperatures than pre-war. It is usual today to find temperatures of 900° F. in such plants and some projects now in the design stage will be using steam at 1200° F. altho some manufacturers have made new insulations to cope with such conditions, the Industry, our Industry, is not keeping up with these developments. (We are discussing an efficient insulating material, not simply a heat resistant product). There is also need for more economical application of insulation on these high temperature lines.

In the field of residential heating the trend is toward air-conditioning, both for winter heat and summer comfort. The ducts used to convey this conditioned air have so far been insulated with the best products our Industry has had available. Air conditioning engineers are not satisfied with them but have no alternative, since it appears that our Industry has exerted no major effort to produce a product that copes with all of the conditions encountered. Such a product should be fireproof, sound absorbent, an efficient insulation for a range of temperatures from 30° F. to 200° F., water resistant, and vaporproof, sufficiently flexible to conform with the curves and shapes of ducts, stable under vibration, and reasonable in cost.

While on the subject of residential and multiple dwelling buildings, it is well to recognize the trend to-

[1]Manager, Insulation Sales, The Ruberoid Co.

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ward radiant heating. This can have a great effect on the future of insulation, either detrimental or favorable, depending upon what steps our Industry takes to care for this fast expanding market.

In the field of insulating cements there is need to improve existing products or develop new ones. In no other line have there been such inferior products developed. Much of the equipment in the process industries requires a cement and customers seeing mechanics mix the so-called "mud" must think we are an antiquated industry—and we are. What progress has been made in this line since we first started? The volume of business obtained in Mineral Wool Cement (recognized as an efficient insulation) proves what this field holds for us. Even this product cannot be claimed a modern insulation —it doesn't even present a satisfactory exterior surface without finishing with some other cement, not much better in appearance.

The development in plastics with surfaces that are smooth, hard and pleasing in appearance and color should help us wake up to the need of an improved product.

A general improvement in quality is needed. When thirty or forty important men representing major industries such as DuPont, Standard Oil, Carbide and Carbon Chemical Company, Kellogg, the Electrical Illuminating Institute, and others of like calibre, take their time twice a year to attend meetings (lasting three or four days) of the American Society for Testing Materials, simply to assist in establishing standards for better and improved physical characteristics of our products, it means that they want better and newer materials. It is time we recognized this need and modernize the Insulation Industry to keep pace with other industrial developments that surround us.

Furthermore, in the field of cold insulations we have been quite lax. Our Industry has been informed that cork does not provide all of the requirements engineers would like to include in their specifications. Other products have been developed that may overcome some of

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the properties cork lack but in so doing present other disadvantages. Here again the trend is toward lower and lower temperatures, which present problems not heretofore considered important.

Can we not think beyond such basic materials as Asbestos, Magnesia, Cork, Mineral Wool and the few other materials from which insulations are now made? Do our manufacturers feel that their investments in mines, plants and equipment are so great they are fearful to consider other types of basic materials, either natural or synthetic, that might provide our customers with better and more modern insulations.

Out of the war came new products in many industries which are profitable to the manufacturers and contribute to an improvement in our standard of living. Our insulation industry hasn't moved except for possibly one new product, calcium silicate insulations.

We are under obligation to move forward at the pace set by the users of our products. The Portland Cement Industry once found itself in a similar position. They solved their problem by the formation of an institute primarily to develop uses, improvements and advantages for their product. Their success has been phenominal, as anyone will agree. They have contributed conveniences, improved our standard of living, built themselves into larger organizations and increased their profits. Possibly the Insulation Industry may benefit from the story of their success and so stay abreast of the trend toward newer and better products required in this atomic age.

• • • —

Individuals or organizations responsible for the preparation or revision of building codes will find many helpful suggestions and much valuable information in a new booklet, "Preparation and Revision of Building Codes" recently published by the National Bureau of Standards. The author is George N. Thompson. If interested send 15c to the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C. The report is given the number BMS 116.

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THE THERMAL INSULATION SOCIETY

Its Purpose

By Ray Thomas[1]

Many organizations exist for the benefit of those interested primarily in the technical phases of thermal insulation. Such organizations have not provided for extension into the proving ground, which is so vitally necessary for proper development and improvement. I refer to the practical application and maintenance of these materials. Altho the technical societies are a vital necessity, the requirements for membership quite often arrest any desire on the part of the field man for association.

The writer has for many years been keenly aware of the lack of a line of communication with the vast army of field workers. This has not only been true between societies, manufacturers, laboratories and the field, but has also been true within larger user organizations. Large corporations particularly, too often dismiss the thermal insulation problem too lightly and fail to provide proper intercourse for the dissemination and exchange of information within their organizations. The efforts of those charged with the responsibility of thermal insulation requirements are too frequently strangled because management is satisfied with the use of fair specifications and fair operating returns.

It was with the foregoing thoughts in mind that the writer has for several years endeavored to find a suitable outlet wherein the troubles of all could be brought together, congealed into a solid mass and parcelled out to all interested parties for their information and guidance. After due thought and consultation, it was decided to start an organization in the Kanawha Valley (West Virginia) composed of design engineers, plant engineers and those responsible for field application, particularly insulation foremen, pushers and inspectors. It was desired that purchasing agents, sales engineers, and distributors of thermal insulation materials be included. It

[1]President of The Thermal Insulation Society.

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HAIR FELT

FOR

Low Temperature Insulation

Newark Hair Felt Co.

1000 Maple Avenue

Lansdale, Penna.

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also seemed desirable that supplementary material men such as weatherproofing, strapping and other miscellaneous suppliers be given a place in the organization. Thus the Thermal Insulation Society was born.

To provide a broad perspective for the membership, great stress is placed on the type of meeting and programs used. Business, altho necessary, is confined to a minimum. Programs are confined to materials and problems relating to the need and use of thermal insulation materials as they apply to heat transfer and its conservation. Various manufacturers are invited to talk on their products and if possible, support such talks with films and slides. These presentations are interspersed with occasional talks by consumer representatives both from office and field.

Since the announcement of the organization of the Thermal Insulation Society appearing in the November issue of "ASBESTOS", several requests have been received relative to the formation of other chapters. We hope to be in a position to honor these requests early this year. Following the acquisition of three or more chapters, minutes of the discussion and decisions will be circulated to all chapters to enable the Society to form a concensus of opinion for the benefit of materials presented for that purpose.

Editor's Note: Questions of a general nature will be answered thru the pages of "ASBESTOS", and field workers thruout the country may therefore be benefited.

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STATUS OF LABOR NEGOTIATIONS WITH CANADIAN MINERS

It is possible that some of our readers are wondering just what the present status of negotiations with Canadian Miners is. We shall give it in brief.

All the Mine workers are back at work and have been for several months but negotiations are still going on, particularly as to contract for 1950.

Following lengthy arbitration proceedings, a majority award was issued by the Arbitration Board on December 10th awarding an increase of 10c per hour to all employees; two additional paid holidays; and certain other minor adjustments including a third week of paid vacation to employees with 25 years of service.

With the exception of the third week of paid vacation, these conditions were already in effect with certain companies in the industry and had, in fact been offered by the companies, whose employees were on strike, at a comparatively early date during the strike.

While the award stipulated that the increases should be retroactive to the first of January 1949, it also specified that a contract should be entered into for the year 1950 on the same conditions without change.

That was the way it stood on December 30th, but the latest report, dated January 4th is that the companies[1] have finally come to complete agreement on the provisions for the 1950 contract. The only major change from the contract for 1949 is that in 1950 the companies will pay a cost-of-living bonus to their employees. The Canadian asbestos mining companies are therefore looking forward to stable relations with their workers for at least the next year.

[1]Asbestos Corporation Limited, Johnson's Company Limited, Flintkote Mines Limited.

• • • —

A. S. T. M. Committee Week and Spring Meeting for 1950 will be held at the Hotel William Penn, Pittsburgh, Pa., February 27 to March 3, inclusive.

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THE ASBESTOS DEPOSIT IN EGYPT

Our October issue (page 12) asked for more information about a deposit of asbestos in Wadi Hafafit in the Baramia district of the Upper Egyptian watershed, and about an asbestos mine owned by the Egyptian Asbestos Company.

It develops that these are one and the same, but the Egyptian Asbestos Co. sold out on May 1st, 1947 to the Upper Egypt Mining Co. S. A. E., 37 Kasr el Nil St., Cairo, which company has been working the deposit since that time. They tell us it is the only deposit in Egypt being worked at present.

Production since 1947 has been

1947	940 tons
1948	1,625 tons
1949	117 tons (10 months only)

Output from the Hafafit mine was restricted in 1949 by transport difficulties, but these have now been largely overcome and production is now limited by available milling facilities.

The asbestos is of the anthophyllite variety and is said to have a high fusion point and is highly resistant to acid.

The fibre is being used for refractory bricks, low pressure asbestos-cement pipes, filter products, bituminous and tar compositions and emulsions, including use in asphalt tile, asbestos cement insulation.

SOUTH AFRICAN ASBESTOS NOTES [1]

We understand that old, established asbestos mines in South Africa may call on the South African Bureau of Standards to establish certain standards for asbestos, particularly of the amosite variety. It appears that certain British firms demand amosite asbestos be guaranteed to contain less than 4% grit and 4% dust. This follows the "asbestos boom" around Pietersburg—thousands of claims have been pegged during the past year and prospectors are continuing to apply for licenses. Under such conditions it

[1]Taken from the India Rubber Journal (London) of November 26th issue.

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is not surprising that *quality* is more or less forgotten in the rush for *quantity*.

In Natal there is also an "asbestos rush"; long abandoned mines are being worked and much activity has been going on, especially in the Kranskop area.

The Stoltzburg Asbestos (Chrysotile) Holdings, Ltd., claims an arrangement has been made with Hume Industries (Far East) Ltd., the latter contemplating the establishment of an asbestos-cement factory.

EMERGENCY REPAIR

A Service Tale.

From The Power Specialist, a J-M House Organ, is gleaned this story of an emergency and how asbestos met the need quickly.

This is a tale of two cities, Barrington and Warren, Rhode Island. They are located opposite each other, a small river running between them.

The twin cities are served by the same water company, the water coming first to Warren, and then passes under the river to Barrington. But last June (it was fairly warm in June even in Rhode Island) the large water main under the river broke and left Barrington without water, altho Warren had plenty. And it might take weeks to repair the break.

But asbestos pipe[1] was available, and using various repair tactics learned during the war, an emergency line about 1146 feet long was laid above ground and across a railroad trestle, in two days.

The main line was repaired in due time and then the emergency one was just as quickly dismantled, but it saved a lot of people a lot of trouble.

[1]Johns-Manville Transite pipe was used.

. . . —

There were just as many careless drivers thirty years ago—but horses had more sense—*Thermoid News.*

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MARKET CONDITIONS

GENERAL CONDITIONS.

The best summary of opinion on general business conditions seems to be as expressed by Emerson T. Schmidt, Economic Research Director of the U. S. Chamber of Commerce in "Business Action". He says: "Nineteen hundred fifty should be a good year, not quite as good as 1949 and almost certainly not equal to the levels set in 1948."

The outlook in business circles is puzzling: Will there be any strikes in 1950? There undoubtedly will. Will prices be lower? Very little and only in spots. Not much change in taxes altho everybody is hoping. How about demand? Will probably continue high for all sorts of goods. It's not going to be an easy year, by any means. If we want to make any progress it will take hard work.

ASBESTOS — RAW MATERIAL.

The demand for Asbestos in all grades remains relatively uniform. There was some ease off toward the end of the year because of the desire to reduce or hold down inventories. It is expected that demand for January should be very closely in line with the last two or three months of 1949. Pressure for fibre for export continues strong from practically all quarters.

Another comment says "Demand is much higher than production, in all grades". Labor contracts have been agreed upon—see page 23.

ASBESTOS — MANUFACTURED GOODS.

Asbestos Textiles. One of our correspondents says "Demand for cloth and tapes is fairly firm; yarn business is off."

And another: "Requests for prompt shipments of pure cloths continue high, while other grades of cloth keep a steady pace. Tape and Lap inquiries have fallen off slightly from last months; Yarn and Roving still lag behind."

The buying trend is upward and for the first time in several months it is noticed that large consumers are attempting to cover themselves for quarterly requirements.

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Asbestos Brake Lining. The market is fairly steady in replacement parts—off about 9% for the year; it's well ahead in equipment material because of high production of new cars. Inventories are very low in replacement material so that the demand will show substantial increase. These remarks are qualified: "if no serious steel, coal or transportation strikes in 1950."

Asbestos Paper. Rehandlers and equipment manufacturers continue to purchase principally for their immediate needs. This will continue thru the year. Anticipate little change in volume.

Saturated Paper. Demand is low because of winter conditions but when spring comes there should be an increasing demand as much re-roofing work has been postponed for a long time and will have to be done this year.

Asbestos Millboard. Volume in this market, like that in the Paper market, should be about the same as 1949, perhaps slightly higher.

Insulation. High Pressure. As considerable contract work is planned for this year, particularly new industrial construction in petroleum and chemical plants, demand should hold at fairly high levels, altho current demand is considerably below what it was a year ago, when there was a large backlog of orders.

Insulation. Low Pressure. Jobbers are carrying more stocks believing that prices will remain stable. "Demand in 1950," says one comment "should equal 1949".

Asbestos-Cement Products. There is a continuing strong demand for shingles and siding, with increased requirements expected in the spring.

Corrugated and flat materials are also showing high volume and manufacturers are selling all they can produce.

Orders for most asbestos-cement materials will continue high during the year, especially in the first six months.

• • • —

In the year-end review L. M. Cassidy, Vice President for Sales of Johns-Manville Corporation, says that the building industry can look forward to another excel-

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PHILLIPS ASBESTOS MINES

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DRAWER 71 **GLOBE, ARIZONA**

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lent building year because of continuing demand for housing and a still existing backlog of non-residential construction of certain types that must be completed. He points out, however, that home prices must be related to the prospect's pocketbook to give him maximum value; if 1950 is to be the prosperous year it can be potentially, the building industry must gear itself in all its sectors to aggressive, intelligent salesmanship.

Comments are sent us by various executives in close contact with market conditions. All comments welcome.

DE LUXE FLEXBOARD

De Luxe Flexboard is a new development by the manufacturers of Flexboard (Johns-Manville), for the particular purpose of entering the interior decorating field with an asbestos-cement product that is specifically designed for that field.

Flat and corrugated asbestos-cement board were initially made for purely utilitarian purposes, Manufacturers were surprised when architects and designers seized on them for new and unusual effects.

De Luxe Flexboard features a fabric pattern, that is it looks like a textured material such as colored linen, but to the touch it is hard and smooth. It is made in six colors—red, blue, green, yellow, tan and peach, in tones to harmonize with each other and with floor coverings and decorating fabrics. Since the finish is fused into the base sheet (fireproof sheet made of asbestos and cement that is strong and tough yet can be curved) thru the use of heat and pressure, there is practically no possibility of peeling or blistering.

Only a smooth surfaced material can be obtained at present, but later it will be supplied "streamline scored" or "box scored."

One of the first showings of De Luxe Flexboard will be in the J-M exhibit at the National Association of Home Builders Convention in Chicago on February 19th.

PIPE COVERING MADE IN SECTIONAL FORM

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Imports into U. S. A.
(Figures by Bureau of Census)

Unmanufactured Asbestos—By Countries

	Sept. 1949 Tons (2240 lbs.)
From Canada	53,908
Mozambique	52
S. Rhodesia	1,180
U. of S. Africa	1,614
U. S. S. R.	585
	57,339
Valued at	*$4,310,337*
By Grades	
Crude No. 1 Chrysotile	
Canada	29
S. Rhodesia	76
Crude No. 2 Chrysotile	
Canada	44
S. Rhodesia	193
Crude—Other—Chrysotile	
Canada	16
S. Rhodesia	911
S. Africa	524
U. S. S. R.	585
Crude—Blue—S. Africa	359
Crude—Amosite	
S. Africa	731
Mozambique	52
Textile Fibres—Chrysotile, Canada	1,247
Shingle Fibres—Chrysotile, Canada	8,216
Paper Fibres—Chrysotile, Canada	5,664
Fibres—Other—Short, Canada	38,692
	57,339

(Continued on Page 34)

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Imports into U. S. A. — Continued

Manufactured Asbestos Goods:

	September 1949 Quantity (Lbs.)	Value
Asbestos Yarns		
United Kingdom	3,502	$ 3,152
Asbestos Packing (Not Fabric)		
United Kingdom	235	224
Asbestos Woven Fabrics—Other		
United Kingdom	5	7
Asbestos Brake Lining—Molded		
Canada	20	7
Asbestos Cement Products—Impregnated		
Canada	15,499	1,609
Italy	2,145	140
Asbestos Cement Products—Not Impreg		
Canada	5,754	291
Asbestos Manufactures—Other		
Canada	....	245
United Kingdom	....	5,439
	27,160	$11,114

Exports from U. S. A.

(Figures by Bureau of Census)

Unmanufactured Asbestos

		September 1949 Tons (2240 lbs.)	Value
To	Canada	4	$ 500
	Colombia	36	13,400
	Venezuela	5	982
	Austria	269	18,171
	Germany	587	176,551
	Netherlands	46	6,100
	Norway	45	9,210
	Portugal	19	2,973
	Japan	45	22,000
	Fr. Morocco	362	94,125
	Other Countries	3	411
		1,421	$344,423

(Continued on page 36)

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Exports from U. S. A. — Continued

Manufactured Asbestos Goods:

	Sept. 1949 Quantity	Value
Asbestos Pipe Covg. & Cement ..... Lbs.	753,830	$ 81,035
Asbestos Textiles and Yarn ..... Lbs.	36,715	34,375
Asbestos Packing ..... Lbs.	160,988	122,648
Asbestos Brake Lng. (Mld.&S.Mld) Lbs.	255,443	225,969
Asbestos Brake Lng. (Woven) ..... L.Ft.	64,220	43,606
Asbestos Clutch Facings ..... No.	86,947	52,012
Asbestos Brake Blocks ..... Lbs.	35,739	37,795
Asbestos Construction Materials ..... Lbs.	5,187,861	257,007
Asbestos Manufactures—Other	....	29,390
		$883,837

IMPORTS OF ASBESTOS BY UNITED KINGDOM

Raw Material

	November 1949 Tons (2240 lbs.)
From Union of S. Africa	1,530
Southern Rhodesia	2,398
Bechuanaland, Basutoland and Swaziland	459
Canada	3,675
Other British Countries	469
Foreign Countries	3
	8,534

Of these 8,534 tons, 5,369 tons were of the chrysotile variety; 3,165 tons were other varieties.

The above tabulation was supplied thru the courtesy of Mining Journal Ltd. of London.

"Tropag"

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EXPORTS FROM CANADA

(Published by Dominion Bureau of Statistics)

Unmanufactured Asbestos (Tons—2000 lbs.)

	October 1949 Tons	Value
Crude		
United States	78	$ 48,318
United Kingdom	....	....
Australia	....	....
S. America	....	....
European Countries	5	4,800
Other Countries	....	....
	83	$ 53,118
Milled Fibres		
United States	15,262	$1,865,118
United Kingdom	3,181	365,715
Australia	960	123,167
S. America	1,427	242,427
European Countries	3,408	526,208
Other Countries	740	91,283
	24,978	$3,213,918
Waste, Refuse, Shorts		
United States	44,926	$1,860,862
United Kingdom	598	24,290
Australia	30	1,484
S. America	100	3,300
European Countries	470	27,988
Other Countries	....	....
	46,124	$1,917,924
Grand Total Unmanufactured Asbestos	71,185	$5,184,960
Manufactured Asbestos Goods:		
Brake Lining		$ 13,451
Packing		1,631
Other Materials		568
		$ 15,650

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PRODUCTION STATISTICS

Canada

(Department of Mines, Province of Quebec)

Tons—2000 lbs.

Production of October 1949	72,160 tons
Compared with October 1948	68,780 tons

Preliminary estimate and published by the Dominion Bureau of Statistics, places the production of Asbestos in Canada during 1949 at 573,610 tons valued at $38,680,150. This compares with the (actual) production of 716,769 tons valued at $42,231,475 in 1948.

According to the Canadian Mining Journal, some new discoveries of asbestos have been reported from Midlothian in the Matachewan district, Ontario. The deposit lies partly under a lake.

Africa (S. Rhodesia)

(Published by Rhodesia Chamber of Mines)

Tons—2000 lbs.

Production for August 1949	6,650.82 tons
Valued at	£333,336
Production for September 1949	7,252.34 tons
Valued at	£346,555

Africa (Swaziland)

Production for October 1949 ..... 2,750 tons (2000 lbs.)

BUILDING

A new high dollar volume of construction was attained during 1949 in the area east of the Rocky Mountains, according to Thomas S. Holden, president of F. W. Dodge Corporation.

Statistical tabulations by the Dodge Corporation of building and engineering project contracts awarded in that area in the first eleven months show a greater dollar volume than that reported for the entire year of 1948. The cumulative volume of investment commitments for 1949 thru November was $9,430,220,000 against $9,429,618,000 reported for the *twelve* months of 1948.

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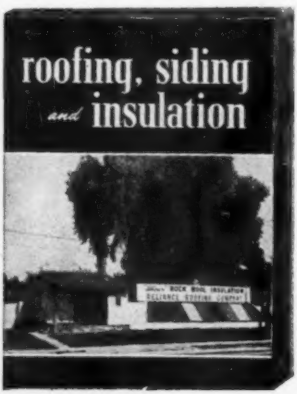
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NEWS OF THE INDUSTRY

BIRTHDAYS

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

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

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

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

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

Harry M. Shackelford, Vice President in charge of Sales Promotion, Johns-Manville Corp., New York City, January 18.

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

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.

A. Arthur Halle, Jr., Secretary, Union Asbestos & Rubber Co., Cicero, Ill., January 30.

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 1st.

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

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

Edward F. Rines, Secretary & Asst. Treas., Acme Asbestos Covering & Flooring Co., Chicago, Ill., 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, February 10.

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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:

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Birthdays (Continued)

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

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

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

To all these gentlemen we extend congratulations on the occasions of their birthdays.

W. M. BAKER APPOINTED CONSULTANT FOR ASBESTOS INDUSTRIES OF JAPAN

The Asbestos Association of Japan, which consists of the Asbestos Products Association, the Asbestos Slate and Pipe Association, the Asbestos High Pressure Pipe Association and the Japan Asbestos Association, has appointed W. M. Baker, with headquarters at 507-5th Avenue, New York City, as consultant and adviser for the Asbestos Industries of Japan.

Mr. Baker was formerly with Smith, Hinchman & Grylls, Architects and Engineers, 72 Wall St., New York City, and General Motors.

RUSSELL MFG. CO. APPOINTS BRUCE S. WILLIAMS

Bruce S. Williams, formerly manager of the southeast territory, belting division, of the Russell Mfg. Co., has been appointed assistant to the president, G. M. Williams.

Bruce Williams is the son of the President, G. M. Williams. attended Sheffield Scientific School of Yale University, but resigned before graduation to enlist in the U. S. Naval Reserve. Following his discharge, Mr. Williams studied industrial management and marketing at Babson Institute. He will make his headquarters at the company's main plant and offices in Middletown, Conn.

CAREY DECLARES DIVIDENDS

At the regular quarterly meeting held December 15th, the Board of Directors of the Philip Carey Mfg. Co., declared dividends on both preferred and common stock. $1.25 on the 5% preferred stock, and 40c a share on common, payable on December 30th to holders of record on December 16th.

ERNEST WERNER CHANGES ADDRESS

Ernst Werner advises that his headquarters are now at Raboisen 40, (Brasilhaus), (24a) Hamburg 1, Germany. His telephone number is 32-57-60; telegraph (or cable) address is unchanged—"Asbestwerner."

Mr. Werner is an importer of Raw Asbestos.

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E. G. HARDING APPOINTED CONSULTING ENGINEER TO TURNER-NEWALL

Ellis George Harding, on September 1st, 1949, was appointed consulting engineer to the Turner & Newall Mining Companies in Southern Rhodesia, with headquarters at the office of African Associated Mines, Limited, Willoughby's Building, Bulawayo, Southern Rhodesia.



E. G. Harding

Mr. Harding was born on October 18th, 1897, in London, England; graduated in Mining Engineering at the School of Mines in Johannesburg, Transvaal, now the University of Witwatersrand, and took a post graduate course at McGill University, Montreal, securing the Master of Science degree.

In 1930 he joined the African Associated Mines Limited, one of the Turner-Newall interests as assistant to Roland Starkey. When Mr. Starkey retired in 1949, Mr. Harding was appointed to succeed him.

I. C. RAYMOND ATKIN ELECTED DIRECTOR OF JOHNS-MANVILLE

I. C. Raymond Atkin was elected a Director of Johns-Manville Corporation on December 21st, 1949, filling the vacancy created by the death of E. T. Stannard, President of Kennecott Copper Corporation.

Mr. Atkin is a Vice President, Director and member of the Executive Committee of J. P. Morgan & Co., Inc. He served with the Royal Bank of Canada from 1909 to 1925 in various branches from Vancouver, B. C. to the head office at Montreal. In 1925 he joined J. P. Morgan & Co., and became a partner in that firm in 1939.

Mr. Atkin is Chairman of the Foreign Exchange Committee of the New York Money Market. He is a member of the Association of Reserve City Bankers, a member of the Bankers Association for Foreign Trade, and a member of the National Panel of Arbitrators of the American Arbitration Association. He is also Trustee of the Diocesan Investment Trust Fund of the Diocese of Newark, N. J.

FILTERABILITY OF ASBESTOS FIBRES USED IN WET PROCESSES—Article

At the annual general meeting of the Canadian Mining & Metallurgical Society, held in April 1949, a paper "Filterability of Asbestos Fibres used in Wet Processes" was presented by M. S. Badollet (Research Center, Johns-Manville, at Manville, N. J.) and was later published in the Society's November 1949 Bulletin. A reprint of the article is in our technical file, and we hope to obtain a few more copies for certain of our readers who are interested in filtering subjects.

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GEORGE LAMSON MANAGER THERMOID AUTOMOTIVE REPLACEMENT DIVISION

George S. Lamson has been appointed Manager of the Replacement Division of Thermoid Company.

Mr. Lamson has been on Thermoid's sales staff for 14 years, and comes to his new post from San Francisco where he was manager of Thermoid's 11-state Western Division.

Mr. Lamson's appointment inaugurates a new position in the Company designed to develop a more efficient sales operation. His main duties will concern coordination of the three major automotive sales divisions; Friction Materials, Rubber Products, and the Hydraulic Brake Parts and Fluid Line.

Prior to joining Thermoid in 1935, Mr. Lamson was Eastern Sales Manager for the Multibestos Company, and served as Thermoid's Eastern and Southern Manager before taking over the Western Division.

W. P. ASBESTOS CO. (PTY.) LTD., REGISTERED

The W. P. Asbestos Co. (Pty.) Ltd., 26 Rabe St., Pietersburg, Union of South Africa, has been registered at the Companies Registration Office, Pretoria, with a capital of £15,000.

LOUIS HERSCOVITZ, SALES CONSULTANT FOR THE RUBEROID CO.

Louis Herscovitz of Chicago, has been appointed sales consultant for The Ruberoid Co.

Mr. Herscovitz was Vice President and General Sales Manager for Ruberoid from 1945 to March of 1949, when he resigned to join his brother in a different line of business, an association which occupies only part of his time. Prior to 1945 he had been connected with the company for twenty years as sales manager of the company's western division.

In his capacity as sales consultant, Mr. Herscovitz will assist with virtually every phase of the company's merchandizing program, including the development of new and improved products and a further diversification of the Ruberoid line. He will also serve as a chairman of a new products committee composed of five officials of the company's research and sales departments. His headquarters will be in the Ruberoid offices in Chicago.

J-M EXECUTIVES RETURN FROM AFRICA.

R. W. Lea, President, A. R. Fisher, Vice President, and G. K. Foster, Asbestos Mines Manager, have returned from their visit to Rhodesia and the Union of South Africa where they spent a great part of their time observing mining and milling operations in those areas.

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AFTERTHOUGHTS

It seems that Ohio State Specifications for a boiler room in the Adams County, Ohio, Childrens Home, calls for "metal lath and 3/4" of Asbestos-Portland Cement Plaster". Would-be bidders are trying to find the manufacturer of such a material, or at least someone who might know what "mix" would be required to get the best fire rating and coverage at 3/4" thickness. Can any of our readers tell us?

Who makes "Insulwood?" It is supposed to have a fireproof asbestos board base. Can anyone tell us where it can be obtained and whether it actually does contain asbestos?

Remember the March of Dimes for the benefit of sufferers from infantile paralysis—to start the end of January.

The Lionel toy trains use Quinterra Asbestos tape in the tiny transformers that go with Lionel equipment—*The Power Specialist.*

The American Pulverizer Co., 1321 Macklind Ave., St. Louis 10, Mo., has issued a six page bulletin "For Better Testing and Small Scale Reduction". If interested in crushers, grinders and shredders, write the Company for a copy. You might say you saw mention of it in "ASBESTOS".

HEAT-O-METER COMPANY, 424 West 42nd St., New York 18, has announced that the 1950 addition of their new calculating dial for measuring radiation on steam and hot water heating systems is now available. This new device is known as "Heat-O-Meter" and eliminates the tedious figuring usually necessary to determine the correct amount of radiation. The manufacturer claims it can be used by anyone—just the simple turning of the dial and the correct answer is received.

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The 6th Annual Convention and Exposition of the National Association of Home Builders will be held February 19th-23rd in Chicago, in two of Chicago's hotels—the Stevens and the Congress.

A special section in the Exposition will be devoted to new and revolutionary building products. Information about registration and reservations can be obtained from Convention and Exposition Headquarters, National Association of Home Builders, 111 W. Jackson Blvd., Chicago 4, Ill.

In our December number we asked where an asbestos rug could be obtained. We are informed that The Lotz Home Insulation Co., 76 Farmington Ave., Hartford 5 Conn., can supply asbestos rugs. If interested write them, mentioning "ASBESTOS".

BEST WISHES FOR SUCCESS AND PROGRESS IN 1950

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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.

Method of Forming Heat Insulation. No. 2,486,050. Granted on October 25, 1949, to Lewis B. Miller, Ambler, and Willard R. Seipt, North Wales, Pa., assignors to Keasbey & Mattison Co. Original application June 29, 1942, Serial No. 448,928. Divided and this applicaton May 8, 1944, Serial No. 534,650. Description upon request.

Pipe Coupling Assembly. No. 2,486,120. Granted on October 25, 1949, to Dudley T. Colton, Martinsville and Ralph L. Barbehenn, Plainfield, N. J., assignors to John-Manville Corporation. Application August 31, 1945. Serial No. 613,880.

ASBESTOS FIBRE

Offer Asbestos Fibre, standard Canadian material, carload lots, spot or future delivery. Box 1M-P, "ASBESTOS", 808 Western Saving Fund Bldg. Phila., 7, Pa.

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BOOK LIST

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

Asbestos Mining Methods. By C. V. Smith. (Reprint) 16 pages. 25c per copy.

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.

Recovery of Raw Asbestos. By Roland Starkey. (Reprint) 6 pages. Supplement to Milling Asbestos. 25c per copy.

Canadian Chrysotile Asbestos Classification. Including latest Quebec Testing Method. January 1, 1949 Edition. 4 pages. 25c per copy.

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) 20c each

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.

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", 808 Western Saving Fund Bldg., Philadelphia 7, Pa. Postage stamps acceptable for amounts less than $1.00.

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CURRENT RANGE OF PRICE

As of January 10, 1950

Canada—	Per Ton (2000 lbs.) f.o.b. Mine
Group No. 1 (Crude No. 1)	$960.00 to $1,050.00
Group No. 2 Crude No. 2; Crude Run-of-Mine and Sundry	400.00 to 550.00
Group No. 3 (Spinning Fibre)	232.00 to 425.00
Group No. 4 (Shingle Fibre)	95.50 to 141.00
Group No. 5 (Paper Fibre)	78.50 to 88.00
Group No. 6 (Waste, Stucco or Plaster)	58.00
Group No. 7 (Refuse or Shorts)	28.00 to 52.00
Vermont—	
Per Ton of 2000 lbs. f.o.b. Hyde Park or Morrisville, Vt.	
Group No. 4 (Shingle Fibre)	$111.50 to $124.00
Group No. 5 (Paper Fibre)	79.00 to 96.50
Group No. 6 (Waste, Stucco or Plaster)	59.00
Group No. 7 (Refuse or Shorts)	28.50 to 52.50

ASBESTOS STOCK QUOTATIONS

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

		December 1949		
	Par	Low	High	Last
Armstrong Cork (Com.)	np	48½	51¼	51¼
Armstrong (Pfd.)	np	99¾	101¾	101¾
Armstrong Cork (Conv. Pfd.)	np	111	112¾	112½
Asb. Corp. (Com.)	np	24½	26	26
Asb. Mfg. Co. (Com.)	1	1	1¼	1⅛
Celotex (Com.)	np	18⅝	20	19½
Celotex (Pfd.)	20	16⅜	17½	17½
Certainteed (Com.)	1	13⅛	16½	16¼
Flintkote (Com.)	np	28¾	31½	31½
Flintkote (Pfd.)	np	102½	105	105
Johns-Manville (Com.)	np	41½	50⅛	50⅛
Johns-Manville (Pfd.)	100	114½	136	136
Paraffine (Com.)	np	18½	20⅞	20⅛
Paraffine (Pfd.)	100	100	103	102
Ray-Man. (Com.)	np	26⅛	29½	27½
Ruberoid (Com.)	np	53¼	57	57
Thermoid (Com.)	1	5⅛	5⅞	5¾
Thermoid (Pfd.)	50	35	38	37
Union Asb. & Rub. (Com.)	5	11⅝	12½	12¼
United Asb. (Com.)	1	53c	65c	59c
U. S. Gypsum (Com.)	20	102¾	116½	113¾
U. S. Gypsum (Pfd.)	100	181	185	185
U. S. Rubber (Com.)	10	32¾	38⅞	38½
U. S. Rubber (Pfd.)	100	121½	131	130

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Details of the Ehret line of Valley Forge Packings are contained in a packing service manual. A copy will be sent to you on request.

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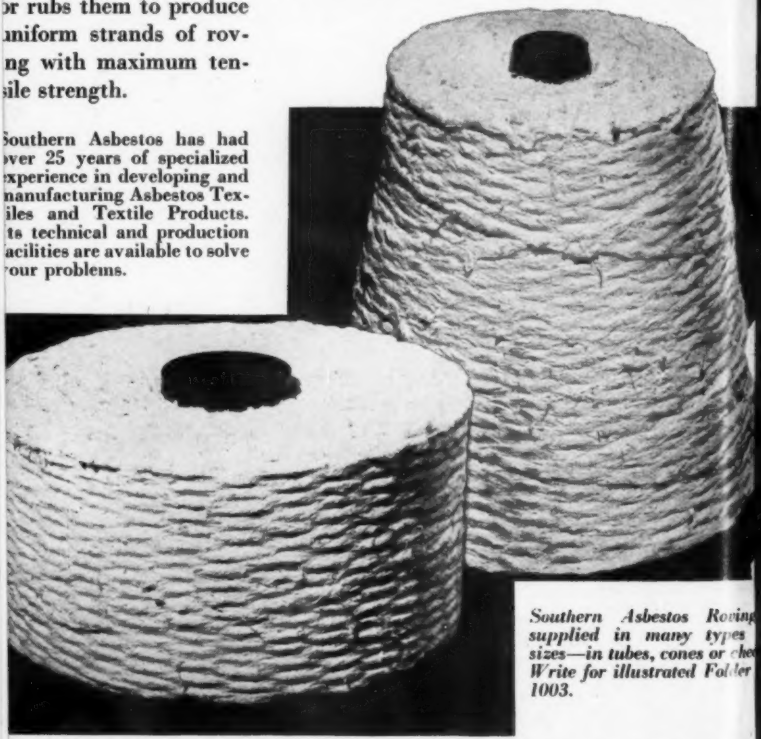
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