ASBESTOS



1942

Christmas Number

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"ASBESTOS"

FOUNDED IN JULY 1919 AND PUBLISHED
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A. S. ROSSITER, *EDITOR*

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CHRISTMAS IN WARTIME.

This 1942 Christmas is a Wartime Christmas and should be celebrated simply.

We can subtract a lot of things from former Christmases, unnecessary things which have become necessary only by habit and have become even irksome by repetition. We work so hard to have a *Merry Christmas* that Christmas itself is anything but merry.

This year eliminate the frills, the fol de rol, the decorations, the commercialism—outdoor lighting, groaning dinner tables, overeating, heavy drinking, expensive gifts.

What have we left? More than enough to have the real Christmas Spirit.

First—the wonderful Christmas Story and its promises — peace, goodwill toward men — those promises for which we are now fighting. Second—happiness of children, who can be made happy with simple toys and simple pleasures far easier than with expensive ones. Third—love and friendship. Fourth—charity, which is love and its material expression toward those less fortunate than ourselves.

And last, a really soul-satisfying Christmas and ability to meet the New Year which awaits us, with a much-needed courage.



A man is at his finest towards the finish of the year;
He is almost what he should be when the Christmas season's here;
Then he's thinking more of others than he's thought the months before,
And the laughter of his children is a joy worth toiling for.
He is less a selfish creature than at any other time;
When the Christmas spirit rules him he comes close to the sublime.
—*Edgar A. Guest.*

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REVIEW OF 1942.

Nineteen Forty-two has been a hard year for practically everyone. The Asbestos Industry, like every other Industry, has had to struggle with regulations of all kinds, priorities, licenses, whatnot, and, like other industries, is handicapped by the necessity of replacing experienced workers, who have been called to the Service, with new men who must be trained in the duties they are to perform.

Despite the many obstacles and difficulties, the Industry has made progress and, what is more important, has made tremendous contribution to the war effort.

A brief review of 1942 asbestos activities is interesting reading.

Mining.

The activity in the Arizona field has, naturally under present demand for Asbestos Crudes and fibres, continued at a high rate.

Canadian Mines are producing at capacity and the majority of the production is being absorbed by the United States.

South African Mines are likewise busy and while transportation is a major problem, substantial quantities are reaching the United States from that somewhat remote producing zone.

Russian Asbestos is also arriving in increasing quantities.

Much interest has been shown during the past year in the Blue Asbestos Deposits in Australia, and no doubt material from those deposits will find its way to the United States during 1943.

Plant Expansion.

The outstanding expansion activities in the Industry are:

The 32,000 square foot addition to the Johns-Manville plant at Nashua, N. H., where different types of asbestos-cement wallboard are made.

The new factory at Hogansville, Ga., where the

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U. S. Rubber Company is making its Asbeston products, particularly asbestos yarn.

The establishment of an Asbestos-Cement plant at Vancouver, Canada, by the Grani-Tile Manufacturing Co., Limited—production started in February.

The building of an Asbestos-Cement plant at Christchurch, New Zealand, by Fletcher Holdings Limited.

The production of asbestos yarn and cloth at the Houston plant of the Standco Brake Lining Company.

The purchase of a plant in Brooklyn by the Ace Asbestos Manufacturing Company for the making of Asbestos Pipe Covering.

New Products.

As to new products, ducts of various kinds, for air conditioning systems, seem to take the lead. A blackout and bombproof board, product of war emergencies, has been developed. And a new kind of Asbestos-Cement Pipe—Roxite—has been placed on the market. Many old products have been improved or changed in some manner, because of the necessity for using substitute materials, or eliminating strategic materials.

Deaths.

Death this year has not taken as heavy a toll from the Industry as last year. Only eight deaths have been recorded and most of these were of men retired from active work in the Asbestos Industry.

Personnel Changes.

Promotions and changes in personnel have been made in great number. Some of these have been occasioned by executives joining the ranks of Army or Navy, or serving the Government in other capacities. Still others were given higher executive positions in order to assist over worked heads of firms whose activities were increased manyfold by the tremendous demands made on them because of the high war tempo.

A number of executives were honored by appointment to positions in Governmental agencies or corporations.

Advertising Literature

The outstanding catalogs or booklets of the year

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Asbestos Fibre

for the manufacture of

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

THE QUEBEC ASBESTOS CORPORATION

Office and Mines
EAST BROUGHTON, PROVINCE *of* QUEBEC
CANADA

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are Ehret's Insulation Handbook, Ruberoid's Insulation Guide, Belmont's Packing Catalog.[1]

Miscellaneous Activities.

Two new motion pictures were developed in the Industry during the past year:—"Roofs" by the Ruberoid Company, released early in the year, and "Keep 'em Holding" by the Thermoid Company.

The U. S. Gypsum Company established an "Experimental Farm Laboratory" and later, a "Remodel Research House," both being used for experimental work in connection with insulation and other building materials.

The Philadelphia Asbestos Co. purchased the American Asbestos plant. See story in this issue.

The Department of Interior Appropriation Bill for year beginning July 1, 1942, included an item of $200,000. for exploratory and laboratory work on asbestos.

Various plants were awarded the Minute Man Flag, the Army-Navy "E" and other emblems of honor for their high rating in various war production activities.

Neoprene was successfully combined with Asbestos Cloth in the making of mittens and other textile articles.

Patents granted during the year for asbestos products and processess totaled about the same as last year —sixty.

The Industry's Magazine.

Members of the Asbestos Industry tell us that they have enjoyed reading "ASBESTOS" during the past year, and have found it helpful. We appreciate their expression of commendation and it encourages us to strive even harder in the future to supply a service which only "ASBESTOS" is in position to give.

One of the features which has been played up during 1942, and which will continue in the coming year, is the "Service Tale"—stories of asbestos products which have undergone especially severe conditions and emerged triumphant.

"Installation Stories" will also be continued during

[1]Readers are urged to send us copies of new catalogs or booklets, so that they may be reviewed in "ASBESTOS".

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ASBESTOS

In a Multitude of Forms . . .

For more than three-quarters of a century, Johns-Manville has been manufacturing a large variety of asbestos products, contributing to greater comfort, protection from fire and the more efficient operation of industrial equipment.

Johns-Manville owns and operates Asbestos Mines in Arizona and Canada, thirteen factories located strategically across the continent, sales offices in all large cities and a large, scientifically equipped research laboratory in which J-M Engineers and Scientists are constantly developing new uses for this remarkable mineral, Asbestos.

Some of the better known J-M Asbestos products include: Packings, Insulations, Roofing and Siding, Transite Water Pipe and Electrical Conduit, Office Partitions, Decorative Wall Boards, Flooring and Friction Materials. In addition, Johns-Manville furnishes raw asbestos in a wide range of grades and fibre lengths.

For complete information on J-M Asbestos Products write to any J-M office or distributor.

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JM PRODUCTS

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1943 to a larger extent than in 1942.

Those in the Asbestos Textile Division will find the magazine devoting more space to textiles and allied products during 1943 if plans in the making are completed.

The Asbestos Factbook, which came off the press December 1st, is being widely distributed and will be found very useful during the coming year in answering inquiries which otherwise would take much time and thought to answer by letter. Some readers after seeing it are ordering additional copies for distribution to their salesmen, foremen and general personnel.

It was comparatively easy this year to select the best short story published in "ASBESTOS" during the past year ("best" being in the sense of interesting). "A Barracks Built in a Day" on page 12 of the August issue seems to us the most interesting and is also timely. Second is the story on page 18 of the September number "Largest Motor Repair Shop."

Perhaps the most interesting use of asbestos recorded during the year was that of asbestos-cement board for the making of chests in which to carry blood (for transfusion purposes) to battlefronts, altho the use of asbestos millboard in a box for cooling of forgings is noteworthy because it saves much time and effort, two valuable commodities these busy days.

Our inquiry service was used to a somewhat lesser extent in 1942 than in the previous year, about twenty inquiries being received during the year. They ranged all the way from a simple request for the name of the maker of a certain trade-marked product (which was supplied within a few minutes) to a request for various data on the economic aspects of asbestos, in which latter case the inquirer came to the office and spent several hours. In another case a large amount of information was supplied a writer of business articles for financial newspapers; the manuscript was submitted to us before publication, and certain suggestions and corrections made.

Such avenues of service (service to the Asbestos Industry primarily so that errors will not creep into widely read articles on asbestos) are constantly opening before us and we hope and believe that "ASBESTOS" will

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VERMONT



ASBESTOS

MINED IN U. S. A.

Clean, well fiberized asbestos particularly well suited for the manufacture of the better types of

BRAKE LINING • CLUTCH FACING • ROOFING PAINTS
SHINGLES • PLASTIC CEMENT • INSULATING CEMENT
MOLDED PLASTICS • ASBESTOS PAPER • MILLBOARD

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Division of The RUBEROID Co.

HYDE PARK, VERMONT

SALES OFFICE, 500 FIFTH AVENUE, NEW YORK CITY • MINE, EDEN, VT.

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be of even greater service in this direction during 1943 than in the past.

Our readers are urged to come to us for information, and to send inquirers for data to this office, where readily accessible records on asbestos are kept.

Here's to 1943 and its opportunities for Service with a capital "S", by every Division of the Asbestos Industry.

ASBESTOS IN PLASTICS

By M. E. Lerner[1]

This has often been termed the "Plastics Age." The fact that asbestos materials find application in the manufacture of finished plastic products has of course been referred to in "ASBESTOS" from time to time. The extent of such use, however, is hardly appreciated, and therefore this review of such use should prove of interest.

The largest use of asbestos in moulded plastics, both of the thermosetting and the thermoplastic types, is as a mineral filler, the grade of asbestos selected generally depending on the desirable properties in the finished product. Fine fibre asbestos, known as "floats," is widely applied, for example, in moulding compositions requiring good chemical resistance and resistance to higher temperatures.

It has long been determined that asbestos-filled plastic molded pieces withstand temperatures far in excess of that normally allowed by the resin content, altho the actual thermal conductivity of the asbestos-filled plastics is higher than that of wood-filled plastics. Shorter grades of asbestos give a better surface finish to molded plastic parts. However, they do not impart as high an impact strength to the finished part as does the longer asbestos fibre.

Proper handling of asbestos fibres in the early stages

[1]The writer is indebted to Mr. J. Delmonte, research engineer, Chicago Flexible Shaft Co., and Instructor in Plastics at the Armour Institute, author of "Plastics in Engineering," for most of the information in this article.

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Manufacturers of a complete line of asbestos products including:

ASBESTOS-CEMENT SHINGLES	ASBESTOS-CEMENT SIDING
ASBESTOS-CEMENT WALLBOARDS	ASBESTOS MARINE INSULATIONS
ASBESTOS ELECTRICAL MATERIALS	ASBESTOS-CEMENT PIPE
ASBESTOS AND MAGNESIA PIPE AND BLOCK INSULATION	ASBESTOS PAPER & MILLBOARD
	ASBESTOS TEXTILES
ASBESTOS PACKINGS	ASBESTOS LUMBER
ASBESTOS CORRUGATED	ASBESTOS ACOUSTICAL MATERIAL

Today, all of these K&M products are playing an important role in the War Program; contributing in many different ways to its ultimate success. For the duration, the Nation will continue to have first call on all K&M plants and employees.

Nature made asbestos. Keasbey & Mattison has made it serve mankind . . . since 1873.

KEASBEY & MATTISON COMPANY, AMBLER, PENNA.

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of plastic manufacture assures perfect finished products. To insure full coverage of the long fibres and to retain full strength, the easily broken asbestos fibres must be very carefully handled at the time of resin impregnation. The long fibres should preferably be blended to the resin without grinding or rolling, by employing a resin varnish for impregnating.

To insure the proper filling of the cavities of the mold, special precautions must be maintained during the molding operations for the long fibre asbestos-filled plastics. Shorter asbestos fibres may be incorporated in molding compositions by the conventional dry processes in suitable mills.

As is well known, especially to members of the asbestos industry, asbestos is superior to wood flour (and many other fillers) in its general resistance to moisture and certain chemical reactions. Accordingly, asbestos-filled plastics have found special application in various types of chemical apparatus and accessories. Small towers and chemical storage tanks have been made of a special phenolic-asbestos composition, one which resists practically all of the acids and alkalies, with the exception of the strong oxidizing acids.

In a few applications on record, resin-impregnated asbestos has been applied directly upon metal surfaces themselves. In any case, where good electrical qualities are called for the asbestos should be purified so that the dielectric qualities will not be adversely affected.

Electrical switch insulation, ash-trays, cord connectors, plugs, housings for heating units—these are among some of the many applications to which molded asbestos-filled phenolic plastics have been put. Performance indicates, however, that the hot molded compositions do not possess the best electrical properties and are not sufficiently arc-resistant for most applications. The high molded specific gravity of asbestos-filled plastics increases the cost of these materials appreciably, but they find application thus far because no substitute is available which will combine the heat resistance (provided by asbestos) with strength.

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THE
NORRISTOWN MAGNESIA & ASBESTOS CO.

extend to their many

CUSTOMERS and FRIENDS

Season's
Greetings



NORRISTOWN PENNSYLVANIA

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Asbestos-filled cold molded composition, of bitumen or synthetic resin binder, are well known and possess many desirable qualities. They have, however, a low-tensile strength. Arc resistance is improved and retention of strength after prolonged exposure to high temperatures is a factor decidedly in favor of this type of composition. Brake linings and clutch facings, in which a high proportion of filler to resin is present and where the resin acts largely in the capacity of a binding agent for the asbestos, are among the products made from asbestos-filled cold molded compositions.

Laminated plastics, which comprise a stack of fibrous or porous sheets impregnated or coated with resin, find special application in the field of machine design. These plastics generally possess high impact strength and resiliency and fulfill many engineering applications. Asbestos plays a part here, too.

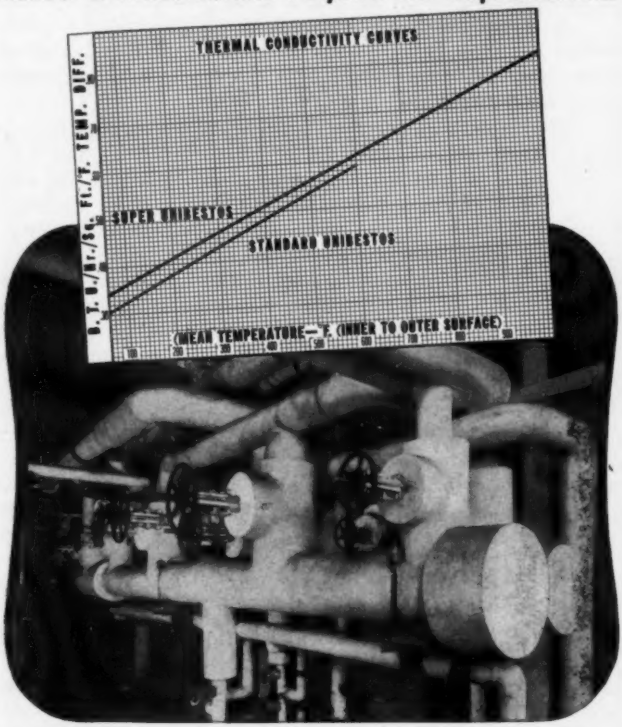
Asbestos base laminated plastics of two separate types are available, one with an asbestos paper base and the other with an asbestos cloth base. Both receive recognition from the N. E. M. A. The asbestos base laminated plastics are especially useful in applications involving high temperatures or corrosive attack on materials. While in other laminated materials the temperature limit is determined by the base materials, in the asbestos base type the limiting factor is only the binder. Some laminated materials make use of a combined asbestos and fabric base.

Asbestos base laminated products have given complete satisfaction when used for shut-off valves operating in live steam and in high temperatures. In sheet form, they are being used as protection mediums for metal surfaces to which they are bonded by thermosetting resins. One drawback to date is the fact that the commercial grades of asbestos base laminated plastics have poor electrical characteristics.

BUY WAR BONDS AND STAMPS

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These 2 illustrations require no explanation!



unibestos is available in Standard material, for temperatures up to 750°; Super, with a temperature limit of 1200°; Combination, with a temperature limit of 1200°. These temperature limits permit the use of one material at maximum efficiency for a wide range of purposes. Available in half sections up to 30" pipe diameter and from 32" to 60" in quadrants from ¾" to 5" in thickness. Standard and Super available in single layer construction with provision for pipe expansion.

The Army-Navy "E" awarded to the Paterson, N. J. plant for excellence in war production.

UNARCO

UNION ASBESTOS & RUBBER CO.

1821 · 54th Ave., Cicero, Ill. · New York · San Francisco · Paterson

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ASBESTOS BLASTING PLUG

A blasting plug of 8 lb. asbestos paper and a wooden wedge has been found much more convenient and a great deal easier to handle than the dirt, clay or sandbag stemming commonly used.

The plug is made by The Heitzman Safety Blasting Plug Corporation, Malick Bldg., Shamokin, Pa., and consists of an asbestos cup closed at one end and a wooden wedge which is inserted into the open end of the cup. (See illustration).



With this plug misfires can be handled safely (a saving of both time and lives) as there is no need to withdraw the misfired charge or to drill parallel holes; all the hazards from handling misfired charges are eliminated. In fact, the plug was originally invented for this purpose, but it has been found to have other advantages also.

The asbestos paper used is especially treated to make it waterproof and the plug can therefore be used in wet places as well as dry; it is much easier to use than dirt bags where the pitch is 45 degrees to vertical—no bursting of dirt bags and no stemming running out of the hole.



The manufacturers also claim that the asbestos plug provides a uniform tamping, reduces loading time materially, and eliminates hauling of sand or other tamping material to the blasting face. Four different sizes are made—1½" (diameter), 1¾", 2" and 2¼".

Another place where an asbestos product improves efficiency and saves time.

—:—

A new industrial flooring known as Traffex, developed especially for use in street cars and buses, has been introduced by the Industrial Division of the Armstrong Cork Company. We are told that this new material does *not* contain asbestos.

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NOTES FROM NEW ZEALAND

At the present time only one asbestos-cement plant is operating in New Zealand, this being controlled by James Hardie & Co., Proprietary Limited, whose main plant and office is at Sydney, Australia. Their New Zealand plant is located at Auckland, in the North Island, and produces corrugated and flat sheets, down pipes and spouting.

Dominion Industries Limited, of Auckland (J. C. Fletcher, Managing Director), are planning to erect a plant at Christchurch[1], in the South Island, for the manufacture of asbestos siding and shingles.

The products of the Hardie plant at Auckland are used wholly in New Zealand, and there is such an acute shortage of building materials, especially roofing materials, in that country at present that the use of asbestos-cement roofing materials has recently been banned for other than the most urgent and essential defense construction works.

As to Raw Asbestos, the only known deposits in New Zealand are in the Collingwood, Nelson district, in the South Island, and while the owners of those deposits claim that they are both extensive and high grade, no development work has been done, chiefly because of their relatively inaccessible position. In fact, estimated cost of a highway into the area is £100,000 (New Zealand currency).

[1]See April "ASBESTOS," page 34.

—:—

Dr. Robert E. Wilson, President of the Pan American Petroleum & Transport Company, The American Oil Co., and other subsidiaries, has been selected to receive the Perkin Medal of the Society of Chemical Industry for 1943. This medal is awarded annually for outstanding work in applied chemistry. It will be presented on January 8, 1943. Dr. Wilson is also one of four Managing Directors of the General Aniline and Film Corporation, recently taken over from German ownership, he having accepted this important post in March, 1942, at the request of the United States Treasury Department.

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ESTABLISHED IN 1875

Head Office

Thetford Mines, P. Q., Canada

Mines

Thetford Mines, Quebec

Black Lake, Quebec

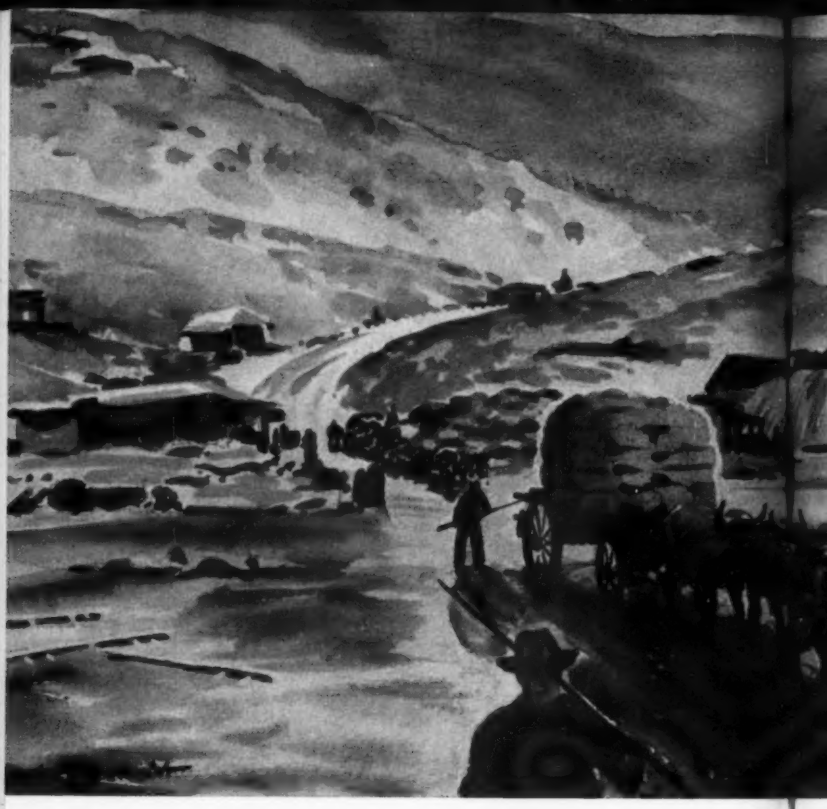
Producers of All Grades of

RAW ASBESTOS

AGENTS

GREAT BRITAIN	A. A. BRAZIER & CO. 203 Winchmore Hill Road, London, N. 21, England
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NEW YORK, N. Y.	CONNELL ASBESTOS MFG. CO. 165 Clymer Street Brooklyn, N. Y.
SAN FRANCISCO, CALIF.	LIPPINCOTT CO., INC. 461 Market Street

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SOLDIERS WITU

Brave men, faithful beasts, start precious raw Asbesto it

No bugles summon them to action. No glamour attends their grim parade. Yet these soldiers of production match the deeds of men in uniform, fighting their unsung battles in remote parts of the world. Beset by dust and burning heat, along treacherous mountain roads, brave bullock convoys haul the newly-mined Asbestos from the deep heart of South Africa to the nearest railheads. Thence by rail to the sea . . . then by boat through war-whipped seas where

TRADE MARK REGD

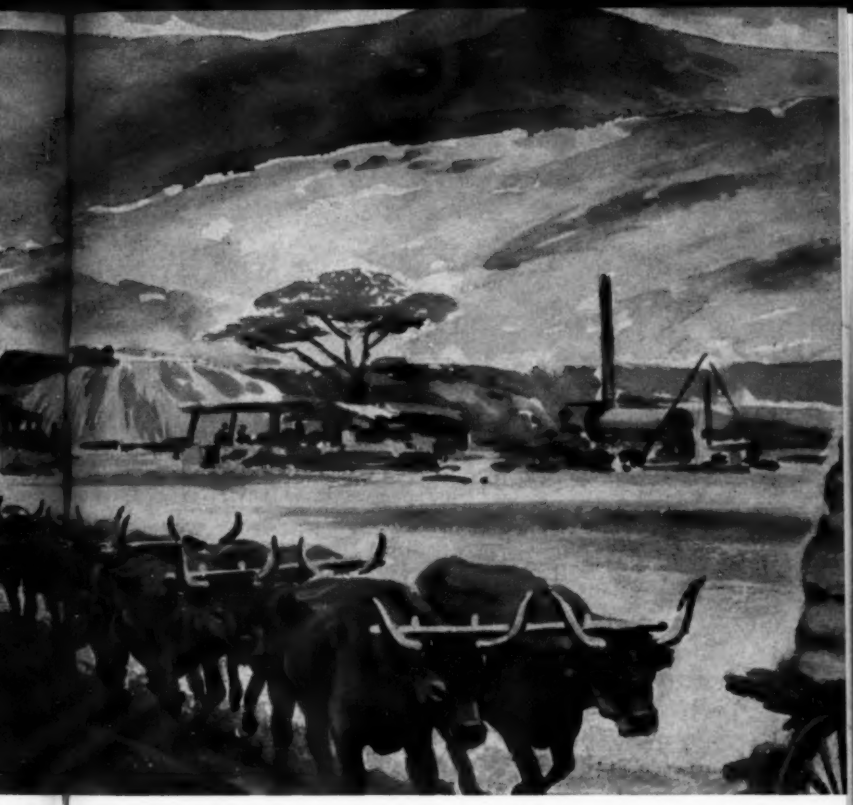
ASBESTOS IT

8 WEST 40th STREET, NEW YORK, N. Y. . . . 27 SIMMONDS ST., JOHES

EVERY TYPE OF RAW ASBESTOS CARRIED IN STOCK: ARIZONA • AUSTRALIAN • BOLIVIAN • CAN CHIN

Manufacturers of *Asbestos Cement Board and Cyprus Asbestos Siding* . . . Creators

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WITOUT UNIFORMS

sbesta its journey to America — for industry, for Victory

a ruthless enemy waits to pounce without warning . . . but by skillful generalship and battle-schedule timing it reaches American ports. A dangerous journey, but one regularly accomplished to bring every quality and type of Asbestos to American industry, and Victory and freedom for the world.

★ ★ ★

Have you any questions about raw Asbestos? We will be pleased to answer them promptly.

TRADE MARKED

TOS MITED INC.

ST., JOESBURG, SOUTH AFRICA . . . WORKS: MILLINGTON, NEW JERSEY

AN • CANADIAN • CHINESE • CYPRUS • INDIAN • RHODESIAN • RUSSIAN • SOUTH AFRICAN BLUE AND YELLOW

eators ... manufacturers of *New Era Insulation*, lightest rigid insulation for all temperatures

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Rhodesian
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GATH'S MINE — MASHABA

African
HAVELOCK MINE — SWAZILAND

Canadian
BELL MINE — THETFORD MINES, P. Q.

ASBESTOS

Raw Asbestos Distributors Limited
Spotland
ROCHDALE, Lancs., England.

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MARKET CONDITIONS

GENERAL BUSINESS

General business decreases month by month as more time, material and men are deflected to the war program. "Even manufacturers using non-critical materials," says the November National City Bank Letter, "whose operations until recently were little hampered, are now meeting difficulty due to labor shortage or abnormal labor turnover."

ASBESTOS - RAW MATERIAL

Canadian Mines are being pressed for increased output, especially spinning fibres, to meet present demands. This will be exceedingly difficult, as all Canadian Mines are operating at maximum capacity.

If Rhodesia and Russia deliver a larger tonnage of long grades of fibre during the coming year, there will be no shortage.

The demand for shingle grades is also high and contracts already closed for 1943 will take the entire production from all sources.

Prices for 1943 of Canadian crudes and fibres have been announced and there is no change from the 1942 prices.

The coming year has all the earmarks of being the largest year ever experienced in asbestos consumption.

ASBESTOS - MANUFACTURED GOODS

Textiles. Demand for textiles continues at an increasing rate. Present capacity is not able to handle the business offered. Several new uses for asbestos textiles, of one kind and another, have been recently developed. After the war we will tell you all about them, but at present they are military secrets. It is encouraging to know, however, that tho these uses were created by war necessity, some of them at least will carry over into peacetime, thus assuring a much larger market in the asbestos textile division of the Industry when peace finally comes than was in existence prior to the beginning of the defense program.

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Paper and Millboard. There is nothing particularly new in these markets—demand for asbestos paper continues heavy and prices, under that condition, are naturally firm. Millboard volume continues at about the same rate as has been usual for the past year and prices are firm in this market also.

Insulation. Low Pressure. This market has tapered off a bit altho demand is still fairly high and prices holding at the same levels as usual.

Insulation. High Pressure. Heavy demand continues for the shipping, munitions, oil and transportation industries. There is noticeable a tapering off of forward commitments for new plant work, but it will be some months until the effect is felt and then, of course, there *may* be some new work projected at any time, which is not now in sight.

Factories are running to full capacity.

Asbestos-Cement Products. There is a falling off in the demand for certain types of asbestos-cement products due to some curtailment in the Government's construction program, but there continues to be a heavy demand for certain types of flat sheets and for asbestos-cement pipes.

There has been a definite easing up in the situation on corrugated as well as on siding and roof shingles. Mills generally, however, have a fairly good backlog of orders and are continuing to run at capacity in some departments and near capacity in others. All production is somewhat limited by labor shortage, altho ample supplies of all raw materials are available.

The above comments have been supplied by executives closely in touch with the respective markets. Opinions from any reader are always welcomed.

POSITION WANTED

An estimator, salesman and/or construction manager of piping insulation, 19 years' experience, 42 years of age, draft deferred. Address Box 12L-C. "ASBESTOS," 17th Floor, Inquirer Bldg., Philadelphia, Pa.

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PHILLIPS ASBESTOS MINES

For Many Years
Producers of

Crudes Nos. 1, 2, 3 and 4

The World's Finest Fibre

P. O. BOX 662

GLOBE **ARIZONA**

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CONTRACTORS AND DISTRIBUTORS PAGE

Building

Total construction contracts awarded in the 37 eastern states during the first ten months of this year have exceeded the total 12-month volume of any previous year, according to F. W. Dodge Corporation. The dollar total for all building and engineering work started from January 1 thru October 31 was $6,892,161,000. The previous record year, 1928, had $6,628,285,000 in contracts awarded during the entire year. This year's ten-month total was 35 per cent greater than the figure for the corresponding period of 1941.

The 1942 record volume is comprised principally of the construction of war facilities; 85 per cent of the total dollar volume represented public-ownership projects. In dollar volume, non-residential building increased 72 per cent over the first ten months of 1941; residential building volume declined 13 per cent; heavy engineering construction increased 42 per cent.

The October contract total, $780,396,000, was 8 per cent greater than that of the previous month, and 29 per cent greater than the October 1941 figure. The current program of the War Production Board calls for emphasis on end products in 1943 rather than on creation of more new facilities and indicates that construction volume will taper off considerably from the 1942 peak.

—:—

THE TWELVE TABLES FOR ESTIMATING which cut down work of estimators in figuring areas of fittings, flanges, ducts and flue perimeters, etc., are still available at $1.00 per set. Order from "ASBESTOS."



TEST

. . . the added sales volume awaiting you among the nation's roofing and siding contractors. Write to . . .

AMERICAN ROOFER and SIDING CONTRACTOR
425 Fourth Avenue, New York City

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For fabricating non-metallic air ducts, etc., from Asbestos Cement board, Transite, Masonite and similar materials

ATLAS ADHESIVE #1770

MANUFACTURED BY

Atlas Supply Co.

4520 High Street, Philadelphia, Pa.

Makers of adhesives for cork, Fiberglas, rock cork and all types of insulation

WRITE US FOR INFORMATION AND PRICES

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THEY SAY!

The new 24 inch war emergency pipe line now being constructed from Longview, Texas, to Salem, Ill., is wrapped with a special asbestos felt, made by The Philip Carey Manufacturing Company.

—:—

A new film story on the asbestos industry is in course of preparation by Paramount Pictures.

—:—

Production of asbestos in New Zealand in 1941 was 53 tons.

—:—

Plastic Roofing, a plastic sufficiently weatherproof to be used as a roofing, has been developed but is not yet in production. We wonder whether it contains asbestos —many plastics do.

—:—

A new type of "throw away" coaster, made of asbestos and chemically-treated paper, was recently advertised by one of New York's leading department stores (Saks Fifth Avenue). The coasters are reversible and may be used several times before being thrown away. They come in assorted colors and designs. Can also be used as ash trays.

—:—

A new line of clutch discs, made of molded asbestos has been introduced by the Gatke Corporation of Chicago. They are designed to take the place of friction-faced metal discs; frictional qualities are said to be excellent, and there is no tendency to "grab" in the clutching action.

—:—

In a recent fire at Picton, Ontario, which destroyed Lipson's Dry Goods Store and threatened the business section of the town, the heat was so intense that firemen wore asbestos suits to fight the flames.

—:—

One of the latest ideas in construction is the use of white asbestos-cement shingles on a deck in such a way that they will reflect light into a building.

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NEWS OF THE INDUSTRY

BIRTHDAYS

J. H. Brown, President, G. A. MacArthur Co., St. Paul, Minn., December 19.

W. E. Harvey, Treasurer, Thermoid Co., Trenton, N. J., December 19.

Harry C. Redstone, Secretary, Asbestos Distributors, Inc., Port Chester, N. Y., December 20.

John P. DuBois, Vice President and General Sales Manager, Ehret Magnesia Mfg. Co., December 20.

L. E. Whitaker, vice president in charge of manufacturing, Philip Carey Manufacturing Co., Lockland, Cincinnati, Ohio, December 21.

W. H. Huber, M.D., President, Asbestos Fibre Spinning Co., North Wales, Pa., December 22.

George N. Clark, Clark Asbestos Company, Cleveland, O., December 22.

R. L. Clark, Clark Asbestos Co., Cleveland, O., December 22.

Wm. Nanfeldt, Chief Engineer and Factory Manager, World Bestos Corp., Paterson, N. J., December 22.

Jacob P. Epstein, President, Empire Asbestos Products, Inc., Glendale, L. I., December 25.

A. P. Smith, Secretary Russell Manufacturing Co., Middletown, Conn., December 25.

W. H. Truesdell, Chairman, Carolina Asbestos Co., Davidson, N. C., December 26.

Matthew J. Fitzgerald, President, Standard Asbestos Mfg. Co., Chicago, Ill., December 27.

A. G. Newton, President, Rockbestos Products Corp., New Haven, Conn., December 28.

E. E. Tanguy, District Manager, Armstrong Cork Co., Baltimore, Md., December 28.

Fred A. Mett, President, Powhatan Mining Corp., Woodlawn, Baltimore, Md., December 29.

William L. Keady, President, U. S. Gypsum Co., Chicago, Ill., January 5.

C. E. Harwood, Sales Manager, Russell Manufacturing Co., Middletown, Conn., January 5.

L. A. King, Manager, Tulsa Branch, Kelley Asbestos Products Co., Tulsa, Okla., January 8.

James H. Watters, President, Union Asbestos & Rubber Co., Chicago, Ill., January 10.

R. H. Chase, Vice President and Gen. Mgr., Plant Rubber & Asbestos Works, San Francisco, Calif., January 11.

John J. Liner, Vice President, Philadelphia Asbestos Co., Philadelphia, Pa., January 13.

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Thomas Murray, Manager Roofing Contract Dept., W. S. Nott Co., Minneapolis, Minn., January 14.

E. M. Smith, Chairman, Fibre & Metal Products, Inc., Downey, Calif., January 15.

A. M. McCammon, Secretary-Treasurer, Johnson's Co., Thetford Mines, P. Q., Canada, January 16.

J. H. Nankervis, Vice President, Magnesia-Asbestos Insulation Co., New York City, N. Y., January 16.

Arthur J. Reed, Vice President, Asbestos Distributors, Inc., Port Chester, N. Y., January 16.

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

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

—:—

LUDWIG HATSCHEK PICTURE

We have in our possession quite a large unframed photograph of Ludwig Hatschek, original inventor of the laminated process of making asbestos cement products. (Size 13"x16").

If any one would be interested in having this photograph, it will be sent upon request, for the cost of postage.

—:—

BELMONT'S CATALOG 40

Catalog 40, issued by the Belmont Packing & Rubber Co., Butler & Sepviva Sts., Philadelphia, has just come to our attention. This is very well worked out, most comprehensive as to data on their Packings, and well illustrated.

—:—

J-M FARM IDEA BOOK

The Farm Idea Book is the title of a new 64-page, full color brochure published by Johns-Manville. It is designed to aid farmers improve the efficiency of their buildings, homes and equipment and thus help speed maximum agricultural production so vital to the nation's war effort.

One section deals with the ever-present hazards of fire, weather and wear and how these hazards can be combatted successfully thru the use of modern, low cost asbestos building materials which rarely require time or expense for maintenance. Another section discusses insulation and ventilation for dairy barns, poultry houses, hog houses, etc. The book also contains plans for 10 different types of farm buildings.

The book will be supplied upon request accompanied by 10c; requests should be addressed to Johns-Manville, 22 E. 40th St., New York City.

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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:

Asbestos mattress filler
85% Magnesia insulation

The CAPE ASBESTOS CO. Limited

Morley House, 26-30 Holborn Viaduct, London, E.C.1.
FACTORY, BARKING, ESSEX

United States Sales Agent:
ARNOLD W. KOEHLER
415 LEXINGTON AVE. **NEW YORK CITY**
TELEPHONE—VANDERBILT 6-1477

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PHILADELPHIA ASBESTOS CO. Purchases Asbestos Textile Plant

On November 13th, 1942, the Philadelphia Asbestos Company purchased the plant, equipment and raw material stocks of the American Asbestos Company of Norristown, Penna.

The plant will continue in operation as a part of the Philadelphia Asbestos Company.

The underlying reason for the purchase was the desire of the Philadelphia Asbestos Company to secure an uninterrupted supply of certain types of Asbestos Cloth required in the prosecution of their marine insulation contracts. The remainder of the capacity of the American Asbestos plant will be devoted principally to the manufacture of certain textile articles which are becoming critical in the Industry.

J. Gillmur Tyson, Jr., formerly President of the American Asbestos Company has accepted the position of Superintendent of Production and Sales of the Textile Branch of the Philadelphia Asbestos Company, with headquarters in Philadelphia. Walter Dyson has been made Superintendent of the plant at Norristown, and the general personnel of the Norristown plant will remain substantially the same as formerly.

The Philadelphia Asbestos Company was founded in October 1921, and up to the present time its activities have been confined to sales and distribution of asbestos products, and insulation contract work Edmund R. Teubner, Jr., is President and Treasurer of the Company and John J. Liner, Vice President.

Our best wishes are extended to them for their success in this new department.

—:—

O. W. TRUMBULL - Made V. P. & G. M., Greene, Tweed & Co.

O. W. Trumbull, formerly of Asbestos Textile Co., is now connected with Greene, Tweed & Company, of New York, and has been appointed Vice-President and General Manager of that Corporation at a meeting of the Board of Directors held on Tuesday, November 24, 1942.

Mr. Trumbull brings to Greene, Tweed & Co. many years of experience in the Asbestos Textile and Packing Fields, which experience will be most helpful in the continued expansion of this very old Company.

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ALBERT E. STARKIE - Dies at age of 48

The many friends of Albert E. Starkie, learned with sorrow of his sudden death, on November 13, 1942, at his residence, 5461 West Division Street, Chicago, Ill.

Mr. Starkie was head of the firm Albert E. Starkie Co., of Chicago, which for the past ten years has acted as distributor in the Chicago District for Asbestos Corporation Limited of Thetford Mines, Canada. He was very well known and highly regarded in the Asbestos Industry and also in the oil and paint trade, not only in the Chicago area but also in the wider national field.

Altho Mr. Starkie, who was only 48 years of age, had not been in the best of health, his death came as an unexpected shock to his family and his numerous friends. He is survived by his wife, one daughter and three sons, two of the sons being in the Armed Forces.

It is expected that his firm, Albert E. Starkie Co., will carry on the business which has been so successfully built up by its late head.

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THE COMMODITIES BUREAU-WPB

In its recent reorganization, the War Production Board grouped nearly all the industry branches into five separate bureaus. These branches are now called divisions.

The Commodities Bureau, of which Ernest Reid is Director, contains the following divisions: Chemicals, Printing and Publishing, Pulp-Paper, Containers and Cork-Asbestos. F. W. Gardner is director of the Cork-Asbestos Division.

—:—

THE MANHATTAN RUBBER MFG. DIVISION of Raybestos-Manhattan, Inc., Passaic, N. J., in the WPB Scrap Drive, turned in 1,023,327 pounds, or nearly one-sixth of the total amount collected in Passaic, during the first six months of the drive. Several interesting items of scrap were uncovered in the Brighton Mill Annex, recently acquired by Manhattan. These included a 4,100-pound steel boom used by the old Fokker Aircraft Company for lowering aeroplane wings from the third floor of one of the buildings, and 2,000 pounds of lead plate used in a drying room. In these instances, as well as many others, the cost to remove the obsolete equipment was more than the salvage value, but no attention was paid to this cost in the effort to make every possible contribution to the Nation's scrap pile.

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GARCO RECEIVES "E" PENNANT

On November 28th, the plant of the General Asbestos & Rubber Division of Raybestos-Manhattan, Inc., North Charleston, S. C., was presented with the Army-Navy "E" Pennant for efficiency in war production. Rear Admiral Wat T. Cluverius, U. S. N., retired, made the presentation.

The pennant was accepted for the company by John F. D. Rohrbach. vice president of Raybestos-Manhattan, Inc.

Colonel Frank H. Barnwell, commanding officer of the 263d Coast Artillery, presented sterling silver "E" lapel pins to all of the employees and these were accepted by Dan Legare, who has worked for the General Asbestos & Rubber Division for 39 years.

Brief addresses were made by Governor-elect (of South Carolina) Olin D. Johnston, Henry W. Lockwood, Mayor of Charleston, and Congressman L. Mendel Rivers, who acted as master of ceremonies.

—:—

THE ASBESTOS FACTBOOK

The Asbestos Factbook came off the press on December 1st and has already been rather widely distributed.

It is a 16-page pamphlet covering Origin, Facts, Locations of Deposits, Uses, Analyses and Qualities, all in compact form.

Price is 10c per copy. Handy for your staff to have for reference; for the preparation of articles or talks on the subject of Asbestos; excellent to hand your customers or friends, who, generally speaking, know so little about the subject.

Suggestion: Keep a supply on hand to give to callers, and send to inquirers for general information on Asbestos.

—:—

"THE MANUFACTURE OF ASBESTOS PRODUCTS" is the title of a paper prepared by R. S. Gardner, Factory Manager, Canadian Johns-Manville Co., Limited, Asbestos, Que., and printed in the October 1942 number of the Canadian Mining & Metallurgical Bulletin, published by the Canadian Institute of Mining & Metallurgy, 923 Drummond Bldg., Montreal. Reprints of the article are obtainable at the price of 50c each from the Canadian Institute of Mining & Metallurgy. A good general article on the subject, briefly commenting on the manufacture of various asbestos products.

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ASBESTOS CORPORATION LIMITED has declared a 30-cent bonus in addition to its regular dividend of 20 cents, which brings the payment for 1942 up to $1.40 a share; comparing with $1.20 in 1941. The dividend is payable December 30.

GREGG L. SHOEMAKER, formerly with Atlantic, Asphalt & Asbestos, Inc., of Stratford, Conn., has recently become connected with the staff of the Asbestos Section, Cork-Asbestos Division of the War Production Board, Washington, D. C.

Mr. Shoemaker has been connected with the Asbestos Industry for the past twenty-three years, having been associated with Johns-Manville from 1919 until 1929 as Assistant Manager of the Philadelphia Building Materials Department, Architectural Representative and Special Merchandising Representative of the Baltimore Branch. Later he joined the Keasbey & Mattison Company at Ambler, Pa., in the same general capacity.

In August of 1938 he went to Stratford in charge of the Merchandising Department of Tilo Roofing Company, Inc. Later, when that Company organized its selling subsidiary, Atlantic, Asphalt & Asbestos, Inc., Mr. Shoemaker became Vice President of that Company.

U. S. GYPSUM COMPANY has been awarded the Edward Benton Fritz Memorial Trophy as the major award in the paper industry annual Safety Contest. Its paper mill in North Kansas City, Mo., has a record of no loss of man hour time due to accidents for four consecutive years. (The mill mentioned is not an asbestos paper mill).

THE RUBEROID CO. Directors of The Ruberoid Co. on December 1st, declared a year-end dividend of 85 cents per share on the capital stock of the corporation, payable December 21, 1942, to stockholders of record on December 11, 1942. A dividend of 30c per share was declared last May, making a total of $1.15 for this year.

ASBESTOS MANUFACTURING CO., of Huntingdon, Ind. At a meeting of the Board of Directors held on December 2nd, Franklin C. Edson was elected President and General Manager, and E. H. Janes, of Detroit, was elected a Director.

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 10c (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.

Packing. No. 2,299,805. Granted on October 27, 1942, to Harry B. Denman, Detroit, Mich., assignor to Detroit Gasket &

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Mfg. Company, Detroit. Application December 26, 1941. Serial No. 424,513.

Flexible packing having a highly compressed, laminated, flexible structure having a thickness of the order of thin paperboard, comprising layers of flexible, substantially inextensible and incompressible paper and layers of resilient, flexible compressible adhesive material interposed between the paper layers and of less thickness than the paper layers, said layers being subjected to sufficient pressure to produce a substantially homogeneous structure, said resilient, compressible layers binding the paper layers together and rendering the structure as a whole permanently resilient and compressible under bolt pressure without rendering the built-up structure extensible so that it does not squeeze out under internal and external pressures, the resilient adhesive being present in amounts as not to exude under high sealing pressure or destroy the flexibility of the built-up structure, said paper layers protecting the resilient binding layers whereby the resiliency and inextensibility of the composite structure is permanently assured in the presence of high pressures, water, oils, solvents and temperature variations and is not dependent on surface coatings.

Gasket Material. No. 2,301,998. Granted on November 17, 1942, to Wilburn F. Bernstein, Brookfield, and Vincent J. Labrecque, Chicago, Ill. Assignors to Victor Mfg. & Gasket Co., Chicago. Application August 23, 1939.

A soft packing gasket for light-weight stamping and having a high degree of compressibility, composed of a base of asbestos and wool felt fibres and a binder of polymerized chloroprene latex and natural rubber latex, the binder comprising 10% to 35% of the resultant sheet.

Take-up Mechanism for Looms. No. 2,302,093. Granted on November 17, 1942, to William F. Astley, Cicero, Ill. Assignor to Union Asbestos & Rubber Company, Chicago. Original application February 10, 1940. Serial No. 318,228. Divided and this application September 23, 1940. Serial No. 357,902. Description upon request.

Brake Lining Wear Indicator. No. 2,302,451. Granted on November 17, 1942, to Francis J. Markey, Lewisburg, Ohio. Assignor to General Motors Corporation, Detroit, Mich. Application January 6, 1941. Serial No. 373,207. Description upon request.



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THIS and THAT

The most beautiful specimens of Crude Asbestos which we have ever seen have recently been received from Guy G. Phillips, of Globe, Arizona, owner of the Phillips Asbestos Mines. (See advertisement on page 25). One of the specimens, pale green in color, is from an unbroken vein 3½ inches in width.

—:—

The American Brewer in its October 1942 number says: "The method described for the determination of carbon dioxide gravimetrically in beer involves the absorption of the carbon dioxide in a tared tube containing 'Ascarite,' a preparation of asbestos impregnated with sodium hydroxide," which should be very illuminating to the asbestos layman!

—:—

Infra-red heat lamps recently announced by the Wabash Appliance Corporation of Brooklyn, N. Y., have their bases reinforced with asbestos-lined mechanical straps to withstand the terrific temperatures of tunnel installations.

—:—

Net sales billed by the General Electric Company during the nine months ended September 30th amounted to $654,882,607, compared with $474,017,608 for the same period in 1941.

—:—

R. H. Dearborn, dean of the School of Engineering at Oregon State College, Corvallis, and F. C. McIntosh, Pittsburgh, Pa., Chairman of the Committee on Research of the American Society of Heating & Ventilating Engineers (51 Madison Ave., New York City), announce the consummation of a cooperative agreement to investigate the heat flow thru wet building walls. Further information supplied upon request.

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CURRENT RANGE OF PRICE

As of December 10, 1942

Canadian—	Per Ton (2000 lbs.) f.o.b. Mine (In U. S. Funds)
Group No. 1 (Crude No. 1)	$650.00 to $750.00
Group No. 2 (Crude No. 2; Crude Run-of-Mine and Sundry)	165.00 to 385.00
Group No. 3 (Spinning or Textile Fibre)	124.00 to 233.50
Group No. 4 (Shingle Fibre)	62.50 to 82.50
Group No. 5 (Paper Fibre)	44.00 to 49.50
Group No. 6 (Waste, Stucco or Plaster)	33.00 to 34.00
Group No. 7 (Refuse or Shorts)	14.50 to 29.50

Vermont—	Per Ton (2000 lbs.) f.o.b. Hyde Park, Vt.
Shingle Fibres	$62.50 to $65.50
Paper Stock Fibres	44.00 to 54.00
Waste	33.00
Shorts	14.50 to 28.50
Floats	19.50

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 grade 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.)

		November 1942		
	Par	Low	High	Last
Armstrong Cork Co. (Com.)	np	26¾	31¼	30⅞
Asbestos Corp. (Com.)	np	18½	21¼	21¼
Celotex (Com.)	np	7⅛	7⅝	7⅝
Celotex (Pfd.)	100	68	71	69½
Certainteed (Com.)	1	2⅜	3⅜	3
Certainteed (Pfd.)	100	27½	31½	31½
Flintkote (Com.)	np	13	15¼	15⅛
Flintkote (Pfd.)	100	94	100¾	100¾
Johns-Manville (Com.)	np	61¾	67¾	67
Johns-Manville (Pfd.)	100	127	132	129
Raybestos-Manhattan (Com.)	np	19⅛	21½	20⅛
Ruberoid (Com.)	np	17½	19⅜	19⅜
Thermoid (Com.)	1	3¾	4½	4¼
Thermoid (Pfd.)	10	32¼	34	34
U. S. Gypsum (Com.)	20	55	60	60
U. S. Gypsum (Pfd.)	100	172	174½	173

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Dec.	1942—18	New Zealand

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There is no chance for Liberty for any people anywhere save thru the victory of the Free People.—Cordell Hull, Secretary of State.

Asbestos Magazine, 1942, December 1942
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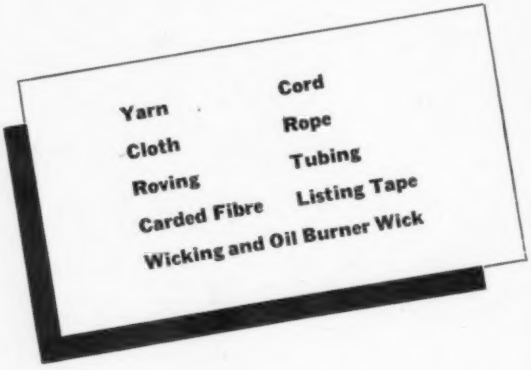
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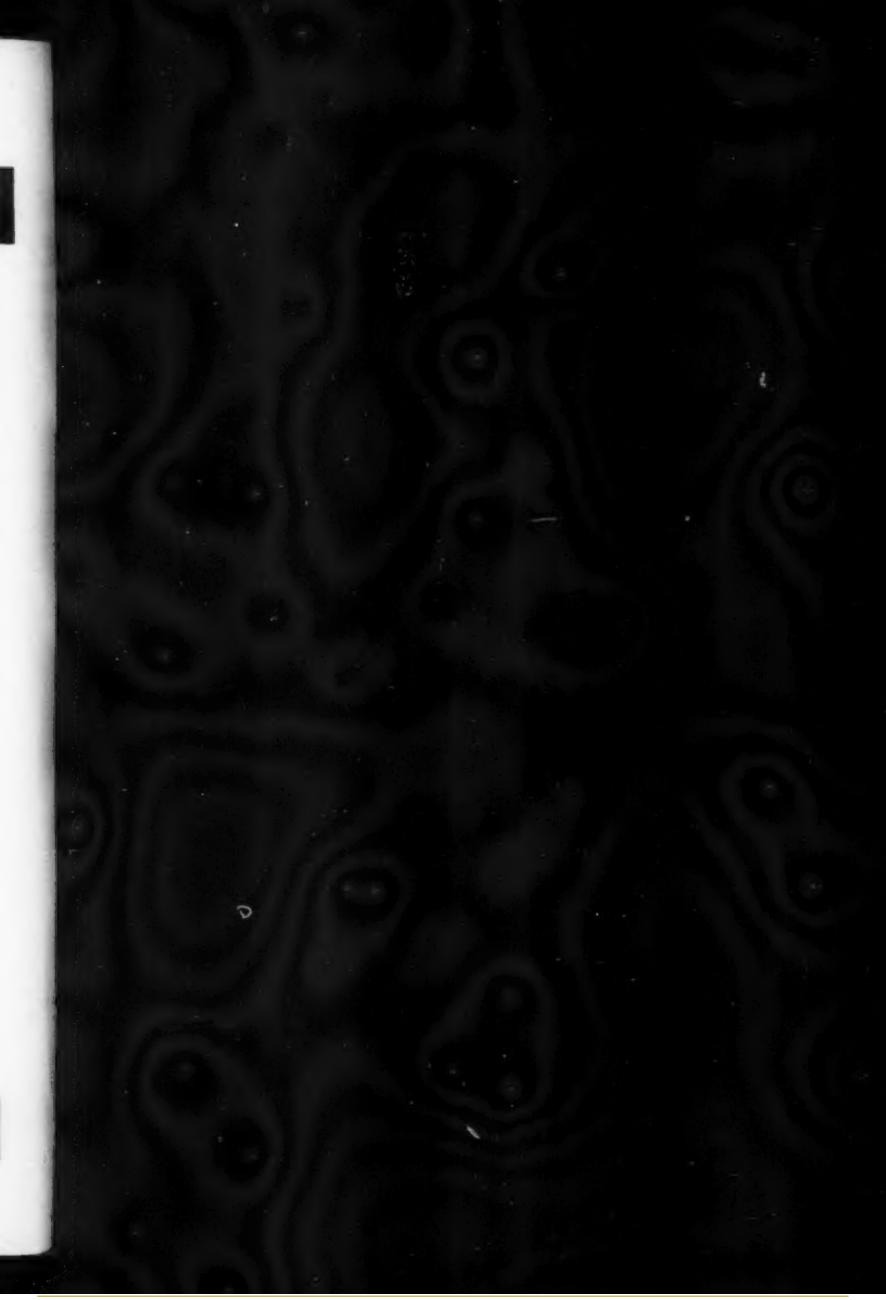


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