ASBESTOS



JANUARY - - 1944

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ASBESTOS RM TEXTILES

EFFICIENCY E-III

THE ARMY-NAVY **E** BURGEE AWARDED TO THE MANAGEMENT AND EMPLOYEES OF GENERAL ASBESTOS & RUBBER DIVISION OF RAYBESTOS-MANHATTAN, INC., NORTH CHARLESTON, S. C., NOW DISPLAYS TWO STARS, EMBLEMATIC OF THE THIRD RECOGNITION FOR EFFICIENCY IN PRODUCTION OF ESSENTIAL WAR MATERIALS.

THE INDUSTRIAL SALES DIVISION SALUTES!

RAYBESTOS-MANHATTAN, INC.
INDUSTRIAL SALES DIVISION
FACTORIES
BRIDGEPORT, CONN. NO. CHARLESTON, S. C.
MANHEIM, PA. PASSAIC, N. J.

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"ASBESTOS"

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

C. J. STOVER, *Proprietor*
A. S. ROSSITER, *Editor*

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

Volume 25 JANUARY 1944 Number 7

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SUBSCRIPTION PRICE

UNITED STATES	$2.00 PER YEAR
CANADA	3.00 " "
FOREIGN COUNTRIES	3.00 " "
SINGLE COPIES	.25 EACH

(Payable in U. S. Funds)

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GREETINGS

To the Asbestos Industry By Industry Leaders

The Editor takes this opportunity to extend to the Asbestos Industry and each member individually, best wishes for the New Year.

Nineteen forty-four may be one of the most interesting years historically the world has ever known. We hope it may be a victorious year for the cause of freedom.

Whether partial or full victory is attained in 1944, the year is certain to be a difficult one for all of us—a year of adjustment in one way or another. Fortunate indeed is the Asbestos Industry because it was not necessary to change over from peacetime to wartime products except in a few instances. The principal problem was to step up production to unheard of heights; therefore the chief concern after Victory will be to step down to peacetime levels or find new uses and new outlets for asbestos and asbestos materials. Industry leaders are already planning for the former; its laboratories are at work on the latter.

Whatever the year may hold—of good or ill—may we all meet it with high courage; may we all do our best to win the peace problems as well as those of war.

• • • —

We present Greetings to the Industry from head executives of several leading Asbestos concerns:

G. D. Crabbs, Chairman of the Board, The Philip Carey Manufacturing Company:

As we approach the New Year amid the most serious situation our country has faced in its history, our minds are filled with conflicting thoughts with respect to the future.

We have thus far passed through most trying conditions and cannot hope for immediate relief, in fact, we may face greater perils and sacrifices than we have yet seen.

It is a time which calls for supreme courage and most thoughtful consideration of all our prospects and possibilities. It is a time for business to deliberate as never

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before upon what the future holds and how expected and unexpected situations may be met.

Under these circumstances only a serious note can be sounded but it still can be a note of courage and an appeal to the unfailing energy which has always characterized American enterprise.

The Asbestos Industry is playing a good part in the war and will continue to do so. I have no fear of its failing to meet every patriotic duty and believe it will maintain the high standards already set while looking forward and planning now for its postwar problems.

I extend Greetings and Sincere Good Wishes to all its members.

. . . —

S. Simpson, President, Raybestos-Manhattan, Inc.:

I again wish the readers of "ASBESTOS" and my many friends in the Industry a happy New Year and a successful 1944.

We read daily that the world is going to be made over just as soon as the war ends, but you who have lived through several wars and have read history, know that this is not going to happen. There may be some changes, but they are not going to be instantaneous.

There is an old quotation that I recall—

> "Life has to be lived out—not with money—not with machines—but with people, all kinds of people; and how to get along with them and how to have them get along with us is a problem that must be solved by ourselves before any real advancement can be made in this world."

When we once learn this, then we will have a world in which wars will be eliminated and controversies will be settled fairly and justly.

. . . —

Herbert Abraham, President, The Ruberoid Co.:

While no one can tell how long the war may run its costly course or what difficulties may still lie ahead, the tide of battle is today running so strongly in our favor that members of the asbestos industry may, I think, find some present satisfaction in what we have thus far been able to accomplish together toward hastening victory.

For the support of our armed forces on every battle

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front, asbestos has been playing an important part—in ships, tanks, planes and guns. On the home-front production line also it has proved itself indispensable—for industrial machinery and buildings, and for the nation's research laboratories in which so many valuable new discoveries are being made.

Whatever the future may hold in store, the members of our industry will, I am confident, be found doing their full share toward complete victory and toward the rehabilitation of this free America after the war.

In that spirit, I extend heartiest New Year greetings and all good wishes for 1944.

• • • —

Ernest Muehleck, President, Keasbey & Mattison Co.:

Through the courtesy of "ASBESTOS" we send to everyone engaged in the Industry our sincere good wishes for 1944. The Asbestos Industry has accomplished much in the war effort; however, a great deal still remains to be done before victory, peace and a return of freedom are ours. We face the New Year with confidence, energy and enthusiasm.

• • • —

Herbert E. Smith, President, United States Rubber Co.:

Let me extend greetings and good wishes to the Asbestos Industry on behalf of the United States Rubber Company. Although we have only been connected with the industry for six years, nevertheless we are happy to be associated with you.

We of the United States Rubber Company point with pride to the development of lightweight asbestos yarns and fabrics under the name of Asbeston and to the important part which this product is playing in protecting and saving the lives of our fighting forces.

Our production of Asbeston will be increased by 50 per cent in the near future when the present expansion program at Stark Mills, Hogansville, Ga., is completed. This will represent a sizable volume and indicates the faith our company has in the future of this industry.

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Carey HEAT INSULATIONS



Careycel—For temperatures up to 300° F.

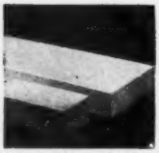
ASBESTOS · MAGNESIA

The CAREY Line includes high efficiency insulating materials of Asbestos and Magnesia for every known service condition—for temperatures ranging from

SUB-ZERO to 2500° F.



85% Magnesia—For High & Med. Pressure.



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Hair Felt Insulation
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Wholesalers and Applicators of Insulation Materials—write for details and prices.

CAREYDUCT—

the all-asbestos duct for conveying conditioned air. Combines duct and insulation. Fireproof, sound-deadening, permanent, economical, easily erected.



Cut-out view of CAREYDUCT—assembled sections showing staggered joint construction and taped outer jacket. Smooth appearance.

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Dependable Products Since 1873
IN CANADA: THE PHILIP CAREY COMPANY LTD. Office and Factory: LENNOXVILLE, P. Q.

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F. E. Schluter, President, Thermoid Company:

With unlimited problems still confronting us (including the undermining effort against the American system) let us be grateful at this time for

1. The improved public attitude toward business because of
   a. The behavior of business-management in its war job without the profit motive.
   b. Greater and more efficient war production than really expected.
2. The growing public understanding that there is no substitute for the Free Competitive Enterprise (or individual profit motive) system which has distinguished this country from most European forms of Government controlled enterprise.
3. The better appreciation of this system by members of the armed forces when they return from abroad, after seeing foreign methods—and may God speed their early and safe return.

. . . —

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

Through the courtesy of "ASBESTOS" we extend our cordial greetings to the men and women of the Asbestos Industry, and we commend them for the major contribution which they are making towards the successful prosecution of the war.

We hope that the year 1944 will see the return of peace and the Industry can again be devoting its entire efforts towards making this a more comfortable world in which to live.

. . . —

Lewis H. Brown, President, Johns-Manville Corporation:

Under the brightening skies of the new year it is a pleasure to take advantage of this opportunity offered by "ASBESTOS" to extend my greetings to the members of the Asbestos Industry.

While we are now studying the problems which will come with the end of the war, we in this industry will not forget that complete victory is our only goal until it is achieved. Thousands of our industry's own sons are on

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ASBESTOS

in the all-out drive for Victory

In every important war industry and in the production of almost every vital unit of military or naval equipment one or more of Johns-Manville's 1200 products is being used. Twenty-four hours a day, seven days a week they are pouring forth from the J-M factories . . . helping to hasten the ultimate victory that will assure the continuation of the free way of life that has made America great.

Johns-Manville owns and operates Asbestos Mines in Arizona and Canada, fifteen 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.

For complete information on J-M Asbestos Products or raw asbestos in a wide range of grades and fiber lengths, write to any J-M office or distributor.

JOHNS-MANVILLE

EXECUTIVE OFFICES: NEW YORK

JOHNS-MANVILLE JM PRODUCTS

Branches in All Large Cities

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the fighting fronts. Every hour by which we can help shorten the conflict will bring more of them back to us unharmed.

With hope for peace running higher today, we have the double duty toward these boys not only to hasten their return, but to make sure that on their return they find the kind of country, and the kind of opportunity, for which they have been fighting.

I am confident that the Asbestos Industry will continue its great contribution toward victory and will also be prepared to meet the stern obligations which peace will bring.

• • • —

A. K. Burgstresser, Vice President, Norristown Magnesia & Asbestos Co.:

Norristown extends to every member of the Asbestos Industry the Season's Greetings.

The year that has just passed has been one which has tested each one of us and we feel the Industry has given a good account of itself.

We are hoping 1944 will see an end to the uncertainties which have been a part of our program for the past year.

It is our wish and hope the New Year will bring everlasting peace and happiness to the world.

• • • —

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

With the advent of another year, I am happy to have an opportunity once more to extend, through your columns, the greetings of Asbestos Corporation Limited to you and to the Asbestos Industry which you so proficiently serve.

We enter 1944 with feelings of hope and confidence tinged with the sober realization that, notwithstanding the encouraging news from the war fronts in recent months, the days ahead of us will be very trying ones.

During the year just concluded, many heavy demands were made upon asbestos producers and manufacturers alike. If all the major problems were met and solved, and if the industry as a whole was able to attain such a high standard of achievement, it was due in no small measure to the close co-operation which prevailed between all of

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us in this business as well as the officials of the American and Canadian Governments with whom we have been so closely associated.

1944 will bring fresh difficulties. We are already entering a period of readjustment which will bring unforeseen trials. If we can face these new problems with the same determination and the same spirit of co-operation as we were able to display in 1943, then I am confident that our industry will add one more year of successful performance to its long record.

. . . —

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

The year 1944 which we are now entering will be a year of renewed challenge to the workers on the home front, a year bright with the hope of Victory.

In my opinion we can all be proud of the record made by the men and women in every branch of the Asbestos Industry. It is vital accomplishments like these that have brought so much nearer the fulfillment of the ideals for which the United Nations are fighting.

These are the thoughts and means by which we may all attain my earnest wish—A Happy and Victorious New Year to you all!

. . . —

C. J. Stover, Owner of "ASBESTOS":

After forty years of unusually active business life, during which time it was my great privilege to personally know all of the leaders in this Industry, plus many of those in the ranks, it is a real joy to greet you all again.

While I've been a shut-in for the entire year of 1943, the many contacts I have keep telling me that you men and women of the Asbestos Industry have done a swell job and each and everyone of you deserve the plaudits of our entire Nation.

Whatever 1944 may bring, I am sure that you will be found ready and willing to pull your full share of the load.

To you all, a Joyful New Year.

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Manufacturers of a complete line

ASBESTOS-CEMENT SHINGLES
ASBESTOS-CEMENT WALLBOARDS
ASBESTOS ELECTRICAL MATERIALS
ASBESTOS AND MAGNESIA PIPE AND BLOCK INSULATION
ASBESTOS PACKINGS
ASBESTOS CORRUGATED
ASBESTOS-CEMENT SIDING
ASBESTOS MARINE INSULATIONS
ASBESTOS-CEMENT PIPE
ASBESTOS PAPER & MILLBOARD
ASBESTOS TEXTILES
ASBESTOS LUMBER
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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ASBESTOS IN PLASTICS[1]

The use of asbestos as a filler for plastic material dates from the days before synthetic plastics were used, when the finished product made from a variety of natural resinous and bituminous materials was commonly called "molded mud." This would indicate that asbestos fillers have had a period of service of some 30 to 40 years, during which time the entire plastics industry has made great strides. Yet, in the present phenolic molding materials asbestos retains its place as a standard filler and shows no signs of losing its advantageous position when certain combination of heat resistance and good finish are desired.

Asbestos as a relatively chemically pure material is inert to a great degree, and. therefore, extremely useful as a filler. The common term for the grade of asbestos used by plastic raw material suppliers is "floats". It is usually called this because it is that portion of the asbestos separated by means of air from the other, longer-fibred parts.

Asbestos is used mainly to alter the physical, chemical and electrical properties of the wood-filled type phenolic molding powder. It is employed in a wide range of proportions varying from a small percentage as compared to the wood flour content, up to a 100% displacement of the wood flour. Small percentages of asbestos are incorporated to improve surface appearance, i. e., finish of the molded piece. When larger quantities are used or when the filler is entirely asbestos, the function is to give improved heat resistance or chemical and electrical properties.

Asbestos imparts to the molded piece the following physical properties:

Good finish
Low shrinkage
Heat resistance
Chemical resistance
Improved electrical properties.

A great improvement is the one of finish, which is

[1] This article prepared by the Plastics Division of Monsanto Chemical Co., Springfield, Mass.

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a natural advantage of any mineral material over a vegetable compound as a filler. The molded piece will be exceptionally smooth and free from surface blemishes. The glossy finish obtainable with asbestos floats cannot be secured by using the longer fibred asbestos which tends to produce a "nubby" surface..

Asbestos has a direct bearing on the molding qualities of the powder and greatly lessens shrinkage in the finished part. Wood-flour filled phenolics will shrink up to .008 while an asbestos-filled product rarely goes over .003.

The most important physical property imparted by asbestos fillers is greatly increased heat resistance. Asbestos-filled plastics are satisfactory for a continuous use over a temperature range of 375-400°F. and up to 500-525 for intermittent operation. No wood-filled material is capable of withstanding temperatures in this range.

Chemical resistance of asbestos filled plastics is good; moderate concentrations of acids and alkalis have no effect on parts molded from these powders, which are also resistant to mild oxidizing agents.

Asbestos also imparts important electrical characteristics not found in wood-filled materials. If good electrical properties are desired, a special grade of asbestos, free from iron and other electrically conductive materials must be used. This type of asbestos can be produced by washing with acid, or a special variety chosen which is naturally iron-free.

Electrical applications for phenolic material employing asbestos as a filler include heater plugs, circuit breaker bases and other parts where a combination of heat resistance and dielectric strength is required.

It should also be pointed out that asbestos adds to desirable molding properties by improving the flow and hardness of set, because the resin is not absorbed on the surfaces or inner portion of the asbestos fibres.

Other uses for this material include utensil knobs and handles and occasionally closures because of its resistance to mild acids and alkalis and such oxidizing agents as sodium hypochlorite. At the present time it is used extensively for tank and airplane parts which will be in close contact with high temperatures.

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An interesting sidelight on asbestos-filled materials is the use to which a well known chemical equipment concern put it in such items as pump impellers, agitators, tumbling barrels and even wear plates in certain pickling processes where abrasion resistance is required.

During this war period, various military agencies have done considerable work with asbestos-filled plastics and their successful completion of these tasks has insured a future for this type wherever such qualities as heat resistance (as in wiring device parts) electrical insulating properties and chemical resistance are required.

UNINSULATED PIPES CAUSE FIRE

A Service Tale in Reverse

A series of fires, the origin of which could not at first be found, occurred at the Fort Hill Housing project at Groton, Conn.

Finally State Police established the fact that they were caused by uninsulated furnace pipes running thru plaster-board walls.

Five of the buildings, consisting of one, two, three and four-unit dwellings, burned in a series of three fires. Residents of the project,—service men, officers and war workers, became so alarmed that in many cases families were sleeping in shifts, with at least one member awake at all times. The dwellings have no basements and each unit is heated individually by a furnace in the kitchen.

Many of these rather hastily built war housing projects do not have insulated pipes, partly because of inability to obtain insulation in time, and also, we suspect, to save cost—at later expense to the residents. Had the pipes been insulated in this particular instance, with aircell or other low pressure asbestos insulation, the fires would not have occurred and much grief and expense would have been saved.

RUBBER CEMENT
SPECIAL FORMULA RUBBER CEMENT FOR INDUSTRIAL USE
UNLIMITED AMOUNTS FOR WAR ORDERS
LIMITED AMOUNTS FOR NON-WAR ORDERS
RUBBER AND ASBESTOS CORP
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AVIATION AND INDUSTRIAL USE

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TWO ARMY-NAVY "E" AWARDS FOR EXCELLENCE IN WAR PRODUCTION
ONE TO THE CICERO, ILLINOIS PLANT; ONE TO THE PATERSON, N. J. PLANT

UNION ASBESTOS & RUBBER COMPANY

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ASBESTOS-CEMENT PIPE COATING

Used as Standard by the City of Perth

A rather unique Asbestos-Cement Pipe Coating is described in the October 1943 number of "Gas", published in Los Angeles, Calif. The article was written by R. J. Dumas, Director of Works, Department of Public Works of Perth, Australia; the pipe coating has been adopted as standard for ordinary purposes of the metropolitan water supply department of that city.

It appears that the Perth Public Works Department prior to 1935 used cast-iron or steel pipe with an outside coating of a bituminous nature, but this was not entirely satisfactory as it would not stand up under the corrosive action of the soil.

With the cooperation of a manufacturer of asbestos-cement flat and corrugated sheeting, a method was evolved by which the asbestos-cement sheet in a plastic state is taken from the machine on which it is formed, cut into strips 24 inches wide, and wrapped by hand spirally around the pipe to be covered. The pipe is kept slowly revolving during the process. The article further describes the coating of the pipe as follows:

"Before laying on the pipe the edges of the sheets are beveled with a wooden hand mawl, the face of which is patterned so that the surface of the bevel is roughened. This insures that as each new sheet is joined on to the length already placed on the pipe, a good bond is effected between the two sheets, the beveled edges being hammered together along the line of the joint.

"For steel pipes which are to be welded together, a length at each end of approximately 3 in. is left uncovered, the waste ends of the sheets being cut off and used in the factory for odd purposes.

"The coated pipe is then wrapped with calico sheeting. Four turns of ½ in. diameter steel wire rope are then wound round one end of the pipe and these are made to compress the coating by means of attached weights varying from 1½ cwt. for 24 in. diameter pipes to 2 cwt.

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ASBESTOS CORPORATION LIMITED

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for 30 in. diameter pipes. The pipe is turned with a peripheral speed of 280 feet per minute, and the steel rope coil is made to move longitudinally at a rate of 1¾ to 2 feet per minute.

"The compression of the steel wire coil not only forces out the excess moisture from the coating material but presses the sheeting on to the steel plate of the pipe, and bonds thoroly the joints between the bevel edges of the individual sheets making up the coating. The pipes are made in 20 to 28 ft. lengths."

The article states that many miles of steel mains from 42 to 8 inches in diameter have been laid with this asbestos-cement coating since 1935 and have proven very satisfactory. We cannot help but wonder, however, why regular asbestos-cement pipe was not used.

A typewritten copy of the complete article will be supplied any of our readers who may be interested, at a cost of 25c.

ASBESTOS PERSONNEL OF WPB

Readers may like to have an uptodate list of the personnel in the War Production Board directly interested in asbestos matters.

CORK, ASBESTOS & FIBROUS GLASS DIVISION

William T. Meloy, Director
George F. Stone, Deputy Director
Stephen L. Mathewson, Asst. Director
J. L. Walton, Chief of Distribution Unit
Pauline H. Lichty, Administrative Assistant
Utley W. Smith, Chief of Asbestos Section
Sidney B. Butz, Asst. Chief of Asbestos Section
John E. Cole, Chief of Packing, Gasket, Friction Materials, Oil Seals and Shims Section
Lester E. Hall, Chief, Statistical Unit, Asbestos Section

The Cork, Asbestos & Fibrous Glass Division is under the Minerals Bureau, of which Howard I. Young is Director.

. . . —

Advertising holds friendship of those you'll sell tomorrow.

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CAROLINA ASBESTOS COMPANY

CUSTOM MANUFACTURERS
OF
ASBESTOS TEXTILE PRODUCTS



CAROLINA ASBESTOS TEXTILES

ARE COMPLETELY ENGINEERED FOR MODERN REQUIREMENTS IN THE MANUFACTURE OF SAFETY-CLOTHING, ELECTRICAL HEATER-CORDS, DRYER-FELTS, PLASTICS AND MANY OTHER PRODUCTS REQUIRING THE USE OF ASBESTOS TEXTILES.



ASBESTOS YARN — CORD — CLOTH
" ROVING — TUBING — WICKING
" CARDED FIBRES — LISTING TAPES
OIL BURNER WICKING

CAROLINA ASBESTOS COMPANY

EXECUTIVE OFFICES:
DAVIDSON, N. C.

FACTORIES:
DAVIDSON, N. C.
MARSHVILLE, N. C.

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THEY SAY!

By wetting asbestos yarn with soap solution, the threads are softened and lubricated sufficiently to permit use of knitting machine.

• • • —

A food dehydrator—new product of this age—has baffle plates (7 of them) made of asbestos-cement.

• • • —

One-fifth inch of soot is equivalent in insulating effect to one inch of asbestos insulation.

• • • —

Cement-Asbestos Board 3/16 inch thick stops rats very effectively; bins made of very rough lumber three or four inches wide and lined carefully with the cement-asbestos board are quite satisfactory.

• • • —

Asbestos blankets are found useful to throw over airplane motors when warming up such motors for starting by the use of an engine warmer burning natural gas, or an electric heating element.

• • • —

Asbestos lined laminated paperboard hot-air ducts for domestic systems have made their appearance in the building industry.

• • • —

Asbestos wick tucked in at the laps of corrugated metal roofs keeps out wind-blown rain.

• • • —

A smoke screen projector has its smoke stack and elbow connecting it to the manifold heavily insulated with asbestos of some sort.

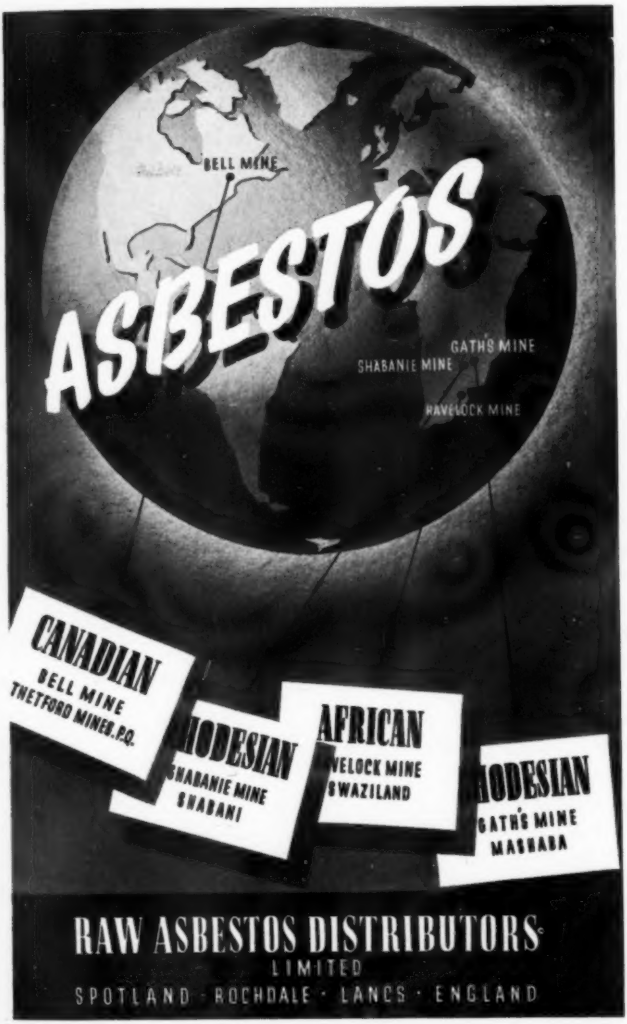
• • • —

Compregnated wood, wood compressed to half its bulk and impregnated with plastics is fire resistant when asbestos is used as the plastic filler. The product which can be molded is said to be as strong as steel.

• • • —

A new type of office file which eliminates steel and wood has been made of "asbestos-plastic." It is at present available in only one color—standard green.

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INCIDE A

Nothing can stop brave men and stout ships from g th

Thanks to the United Navies' valor and skill, fewer and fewer cargo vessels fall victim to skulking wolves of the sea. But when an enemy torpedo strikes—to pause, even for a moment, may place in further jeopardy other human lives and precious cargoes—cargoes of basic materials, like raw Asbestos, so vitally necessary for National Defense.

From Africa, Russia, Australia—laden ships converge on American ports. Heedless of danger and death — obedient

ASBESTOS ITI

8 WEST 40th STREET, NEW YORK, N. Y. . . JOHANNES OUTH

EVERY TYPE OF RAW ASBESTOS CARRIED IN STOCK: ARIZONA • AUSTRALIAN • BOLIVIAN • C CHINESE

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

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E AT SEA

om g the *RAW ASBESTOS* vital to Industry and Victory

to duty — they fight through to discharge their cargoes. America's defense and American industry continue to be served by this invaluable mineral for many indispensable uses. For each industrial and defense need, there's a special Asbestos precisely suited to the job. And as long as men have brave hearts and stout vessels — America's Asbestos requirements will continue to be filled.

Any inquiries on raw Asbestos will be answered promptly.

TOS ITED INC.

NES OUTH AFRICA . . . WORKS: MILLINGTON, NEW JERSEY

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

eator re manufacturers of *New Era Insulation*, lightest rigid insulation for all temperatures

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JOHNSON'S COMPANY

ESTABLISHED IN 1875

Head Office

Thetford Mines, P. Q., Canada

Mines

Thetford Mines, Quebec
Black Lake, Quebec

Producers of All Grades of

RAW ASBESTOS

AGENTS

GREAT BRITAIN	A. A. BRAZIER & CO. 203 Winchmore Hill Road London, N. 21, England
CHICAGO, ILL.	GRANT WILSON, INC. 4101 West Taylor Street
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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MARKET CONDITIONS

GENERAL BUSINESS

As the New Year begins business faces many problems, both present and potential.

War production has reached its peak and from now on will tend to taper off. Some factories may return to their pre-war manufacturing status. Just which, how many and where are the questions which so far have not been answered.

More civilian articles, some badly needed, will be made within the next few months, especially those simple in construction, having few parts.

Strikes will increase as the year goes on; the granting of wage increases to the railroads will naturally lead to demands for higher wages in other lines.

While everyone fears inflation, including the government, and there is much talk against it, very little seems to be actually done about it by those in authority.

These are just a few of the high spots—here and there—on the general business situation. Let us see what the situation is in the Asbestos Industry.

ASBESTOS - RAW MATERIAL

The year 1943 closed with the largest record of importations of asbestos into the United States, from every source, of any year since the Asbestos Industry started. While some tonnage was sunk, it was very small compared with the total tonnage imported.

At the present time stocks in the hands of the Industry are only enough to cover immediate requirements, so there is little doubt but that 1944 will also be a record year in the consumption of raw asbestos. Demand for long fibre remains at an all time high.

Notwithstanding the very large consumption of asbestos during the past year there has been no increase in prices, and because of the increased cost of labor and materials in its production there seems no possible chance of a decline.

The Combined Raw Materials Board has completed the allocation of the available supply of African fibre

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between the United States and the United Kingdom, and the supply of Rhodesian fibres most used (C&G/1 and C&G/2) appears to be adequate for 1944 requirements. The situation in the longer grades of Amosite is not as satisfactory but may work out better than indicated by present supplies.

ASBESTOS - MANUFACTURED GOODS

Asbestos Textiles. The demand for Asbestos Textiles is steady; some manufacturers believe that the peak of requirements in this line has been passed, but others do not agree and say that there will be capacity volume required until the end of war with Germany. Current requirements are being reasonably met thru the combined efforts of the manufacturers and the allocation system.

However, there seems to be no indication of a letup in asbestos textile demand during 1944, and while cutbacks in some war lines affect asbestos textiles adversely, this is more than offset by increased demand for other war equipment. The industry's greatest problems at present are manpower, and a shortage of certain grades of fibre. Prices remain steady.

Brake Lining. Because of certain war programs, demand for friction materials will be very high during 1944.

November sales show a considerable increase over those for the same month last year and a slight increase over those for October 1943. Sales for the first eleven months of this year when compared with corresponding period in the previous ten years, show a marked increase in volume.

Asbestos Paper. Demand for asbestos paper continues extremely active and some manufacturers are unable to make satisfactory deliveries. This is especially true with the growing requirements from the regular channels of distribution which seldom have a very high priority. Indications are that asbestos paper demand will continue steady at high levels for at least the next six months. Prices are firm.

Asbestos Millboard. Most of the large Government orders for this commodity have been completed and the

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present demand is more or less normal, coming from the usual channels of distribution, all of which adds up to the fact that there is a noticeable decline in the call for Asbestos Millboard. Prices, however, continue firm.

Insulation. High Pressure. No letup in ship construction for 1944 means a continued heavy demand for high presssure insulation. One manufacturer reports a backlog on 85% Magnesia of 60 days, altho on High Temp three to four weeks delivery can be made on urgent orders.

Another maker tells us that indications in the High Pressure Insulation line are for a steady demand at present high levels for an indefinite period. Prices hold very firm. The larger sizes in laminated coverings are heavily oversold.

Insulation. Low Pressure. The construction program has passed its peak and demand in smaller sizes of low pressure coverings shows a decline. Prices are said to be fairly steady, however.

Asbestos-Cement Products. There is practically no change in the market situation on asbestos-cement products except that the backlog of unfilled orders may be somewhat larger and delay in making shipments of new orders greater.

Undoubtedly production is limited because of the manpower situation but volume of orders from all sources, civilian as well as government is surprising for this season of the year, indicating a continued strong demand during most if not the whole year. Prices are firm.

In the corrugated division there is less demand on the East Coast, but it is quite steady in the rest of the country. Inquiries for large jobs have kept up in the Midwest but the average request in the East is closer to normal requirements.

The market comments are sent us by men well informed in the various divisions of the Asbestos Industry. Comments or opinions from all readers are invited.

. . . — .

In the new War Bond Drive BUY—TO THE LIMIT.

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CONTRACTORS AND DISTRIBUTORS PAGE

THE FUTURE IN THE BUILDING INDUSTRY

Five reasons why the building industry should be in an exceptional position to render prompt and far-reaching service to the country by providing employment and stimulating business generally during the period of economic readjustment after the war were advanced in a year-end statement by Herbert Abraham, president of The Ruberoid Co.

"First, and of paramount importance when our armed forces are being mustered out," Mr. Abraham said, "the building industry, at all times one of the largest employers of labor, will require thousands of men to construct peace-time living quarters for the demobilized men, including the many new families among them, and for workers returning from war industry centers to their normal peace-time localities. In addition, the Government, as a means of reducing unemployment after demobilization, will probably find it necessary to launch a sizable program of slum clearance, road building and river and harbor improvements.

"Second, the industry's potential post-war market in the field of residential construction alone will be of unprecedented proportions, recent estimates indicating an urgent need for 1,000,000 or more new dwelling units annually for several years. In this connection, the current steady increase in savings bank deposits and war bond purchases indicates that an exceptional number of moderate income families will be in a position to finance the construction of new homes.

"Third, a substantial volume of new farm construction will be necessary, since the United States will undoubtedly be called upon for some time to supply food for the people of war-devastated regions abroad as well as our own.

"Fourth, building activity as a whole will be stimulated by the introduction of improved building products developed in the course of wartime research, such as prefabricated houses and other ways and means of reducing construction costs, and products fabricated from suitable raw materials to offset the shortage in the lumber supply.

"Fifth, ample supplies of all essential building materials can be made quickly available because the great bulk of such materials produced for wartime purposes have been of the same general character as those ordinarily used, and the problem of plant reconversion to peacetime uses will, therefore, be only

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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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a minor one for most manufacturers of building products.

"At present, altho the peak of war construction was passed early in 1943, the slackening in that field is being substantially offset by a mounting demand for materials for necessary repairs and maintenance and for certain classes of farm construction upon which there are no restrictions."

THE EASI-BILD METHOD

Unique, but we should say effective, is the method devised by The Ruberoid Co. for the use of their Stonewall Asbestos-Cement Board.

The Company supplies full size paper patterns for poultry and brooder houses, meaning that the patterns can simply be laid on the board, traced and the board cut on the indicated lines, then assembled into the finished unit. Even the locations of nails are indicated. The basic pattern is for a house 4x8 ft., but is so designed that it can be used for the construction of any desired multiple of that size—8'x8', 12'x8', etc.

The method, known as "Easi-Bild", is said to be so simple that any schoolboy can build one of the houses with ordinary home tools.

BUILDING

Construction contracts awarded during November total $184,399,000 in the 37 eastern states, according to F. W. Dodge Corporation. This compares with $213,529,000 for the preceding month and $654,184,000 for November, 1942. Seventy-three per cent of the November volume was in public ownership projects.

Non-residential building valuation of $67,028,000 was 27 per cent below October and only one-fourth of the November, 1942 total of $256,513,000. The hospital and institutional building classification was the only one to equal its prior month's total.

Valuation of residential building was 16 per cent behind October and 63 per cent behind the corresponding month last year, however, 15,279 new dwelling units were provided as compared with 20,081 in the preceding month and 18,616 in November, 1942. Private ownership projects provided 57 per cent of the month's valuation.

Heavy-engineering contracts were let to the extent of $58,987,000 during the month. This was reduction of 7 per cent from October and 74 per cent from November last year.

BUY WAR BONDS AND STAMPS

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SPEEDY TIE-WIRE EMBEDDING



...is assured by the firm yet soft "rind" surface. All surfaces of Plant Precision Molded 85% Magnesia are super-smooth, because the product is molded to exact final size and thickness!

PLANT
REG. U.S. PAT. OFF.

PLANT RUBBER & ASBESTOS WORKS

Manufacturers of Plant Insulating Materials and Mechanical Packings Since 1920

MAIN OFFICE: SAN FRANCISCO

Sales Offices in Los Angeles, Wilmington, and Oakland, Calif.; distributors in principal cities.

Factories in Emeryville, San Francisco, and Redwood City, Calif.



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

COMPLETE RANGE OF SIZES AND THICKNESSES IN BLOCKS AND PIPE COVERINGS

(In sectional form up to and including 18-inch pipe size.)

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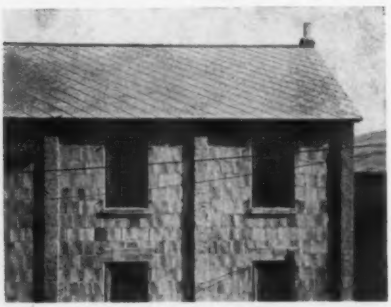
HOW LONG WILL AN ASBESTOS-CEMENT ROOF LAST?

This is a perfectly natural question for any buyer of asbestos-cement products to ask.

But it is a question no one can answer! Because so far no asbestos-cement roof has actually worn out.

Accidents have occurred and destroyed the building, or the building may be torn down for some reason or other, but no matter what the weather—summer rain or winter snow, frost or hot sunshine, even salt air at the seashore—the shingles themselves do not wear out.

Asbestos-cement shingles were introduced into the United States by Dr. R. V. Mattison of Ambler, in 1903, and early in the summer of that year they were applied to a water tower on Dr. Mattison's estate. This building was torn down several years ago, however, but the shingles were apparently as good when taken off the roof as they were when first put on.



The roof by the sea which was applied 34 years ago at the Greenport Shipyard, and shows no sign of deterioration.

Photo courtesy Johns-Manville

In 1905 Johns-Manville Asbestos-cement shingles were applied to an ice storage house in Millbrook, N. Y. The building was demolished in 1943—the shingles were as good as new. In fact the owner saved the shingles to use on another building, but Johns-Manville happened to hear that the building was being torn down and arranged to exchange the old shingles for new ones of an uptodate color and design, so that they might have the old ones,

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cut them up into small pieces and distribute to their salesmen to show to their prospective customers as an indication of the long wear which may be expected from an asbestos-cement shingle roof. (One of these samples is in the possession of "ASBESTOS", and outside of being somewhat discolored by dirt, it is in perfect condition—no sign whatever of wear.) Thirty-seven years is quite a record and there is no reason to suspect that the roof would not have lasted thirty-seven more without any sign of deterioration.



Photo courtesy K&M Co.

W. L. Perry used asbestos-cement shingles against the advice of his architect. They have withstood the elements for 34 years and will probably last that much longer, if the building itself does not wear out in the meantime.

Thirty-four years ago, that is, in 1910, W. L. Perry built a new home at West Hartford, Conn., and against the advice of his architect, roofed it with Keasbey & Mattison asbestos-cement shingles of their "Century" brand, in the then popular French design. The house is still standing—how many more years the roof will last no one knows, but it is apparently as good today as it was when first applied, despite the severity of New England weather.

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In 1910 also, J-M Asbestos Shingles were applied to a roof of a building at the Greenport Ship Yard, Greenport, Long Island. Altho this town is by the sea and the shingles were subject to salt air, they were in perfect condition when Johns-Manville removed them in 1941 and distributed samples to salesmen so that they might have proof that asbestos-cement shingles could withstand hot summer weather, snow and ice in winter, and salt air thruout the years.

Another seashore roof, this time in a more tropical clime—Daytona Beach, Fla.—was applied to the home of E. B. Shoemaker in 1911. These shingles were the K&M Century brand, American style. The roof still stands, a 33-year silent testimonial to the durability of asbestos cement products.

The same year, i. e. 1911, O. Jacobsen of Frankfort, Mich., applied K&M Century shingles to his house. They are just as good today as they were when first applied and Michigan weather is, if anything, even more severe than that of New England.

These are only a few of hundreds of asbestos-cement roofs erected in the early years of the asbestos-cement industry in this country, many of these in places where the weather is unusually severe.

Thirty-four, or even thirty-seven years, is not a lifetime, but judging from these instances, asbestos-cement shingles will outlast their three score years and ten.

THE FOUR FREEDOMS

At the beginning of the New Year it is well to remind ourselves of the Four Freedoms for which we are working, fighting and for which we are buying War Bonds:—

Freedom of Speech
Freedom of Religion
Freedom from Want
Freedom from Fear

In the new drive for the purchase of war bonds which will be launched shortly, buy to the limit. The more we buy the earlier will we attain our goal—The Four Freedoms.

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NEWS OF THE INDUSTRY

BIRTHDAYS

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

G. D. Crabbs, Chairman of the Board, Philip Carey Mfg. Company, Lockland, Cincinnati, Ohio, January 22.

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

Lt. Colonel J. G. Ross, Director and General Manager, Asbestos Corporation Limited, Thetford Mines, P. Q., Canada, February 1.

I. C. Rugen, Vice President, The Ruberoid Co., New York City, N. Y., February 6.

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

Lewis H. Brown, President, Johns-Manville Corporation, New York City, N. Y., February 13.

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

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

. . . —

JESSE M. WEAVER, who has been employed as Research and Development Engineer by Raybestos-Manhattan, Inc., at the General Asbestos & Rubber Division, North Charleston, S. C., since August 15, 1930, has been transferred to the Research Laboratory and new Pilot Plant which Raybestos-Manhattan, Inc., has established at the United States Asbestos Division, Manheim, Pa.

Mr. Weaver's ability, as demonstrated by inventions in the field of asbestos textiles and his knowledge of and long experience with asbestos in its various forms and wide adaptations to industrial purposes, will be centered on new and better products for post war production. At the same time he will continue in advisory work on industrial problems which call for the use of asbestos textiles and textile products.

Inquiries for information on asbestos and its application to industrial uses, directed to Raybestos-Manhattan, Inc., at Manheim, will have Mr. Weaver's attention with the assistance of a laboratory staff of chemists and engineers devoted to research and development of new and better asbestos products for industry.

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GREENE TWEED PURCHASES OLD ASBESTOS FIRM

Greene, Tweed & Co., of New York City, manufacturers of mechanical packings,, has recently purchased the Asbestos Fibre Spinning Company of North Wales, Pa.

This brings together two old firms in the Asbestos Industry. Green, Tweed & Co., one of the oldest manufacturers of Asbestos Packings, was established in 1863; Asbestos Fibre Spinning Company, one of the oldest spinners of Asbestos in this country, was founded in 1898, by the late Christopher Huber and George Schafenacker and thruout its 45 year history has been operated by the same family interests. Greene, Tweed & Co. was a customer of Asbestos Fibre Spinning Company for 25 years, having purchased from the spinning company their requirements of asbestos yarn.

Plans are being made to enlarge the facilities and expand the operations of both plants, which will retain their separate names.

O. W. Trumbull, Vice President and General Manager of Greene, Tweed & Co. will assume the same position with the Asbestos Fibre Spinning Company. Mr. Trumbull is well known in asbestos manufacturing circles and trade, and has had many years of experience in the manufacturing of asbestos textiles, packings and mechanical rubber goods. His experience will be of value in the further development of these two concerns.

EDWARD G. FICK DIES

Edward G. Fick, aged 61 years, senior partner of a firm of insulation and roofing contractors for 28 years, died suddenly on December 5th at his home, 2205 Pelham Avenue, Baltimore, Md.

Mr. Fick first became associated with the Asbestos Industry thirty-six years ago as an estimator with the firm of Wallace & Gale Co. located in that city.

Asbestos Shingles for roofing were just coming into general use at that time and thru his efforts many of the early asbestos shingle roofs in Baltimore were applied.

In 1915, Mr. Fick and his brother, John P. Fick, who was then associated with the heating and power industry, founded a partnership which operated under the style of Edward G. Fick & Company.

This company now specializes in the maintenance of insulation and roofing in industrial plants and institutions. It will continue to be operated under the old name, on the same premises, 2008-2010 Harford Ave., Baltimore, by John P. Fick, the surviving member of the partnership.

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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, 28-30 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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U. S. RUBBER PROMOTES DONALD J. BRIGHTMAN

Donald J. Brightman has been appointed General Sales Manager of the Textile Division of the United States Rubber Company.

A native of New Bedford, Mass., Mr. Brightman obtained his practical knowledge of textiles in the mills of New England,—the Soule Mills and Pierce and Booth Mills in New Bedford, and Green & Daniels Company, Inc., of Pawtucket, R. I. In 1919 he went with the Fisk Rubber Company and subsequently became manager of the textile division, a position he held for ten years, prior to that company's acquisition by the U. S. Rubber Company in January 1940.



Donald J. Brightman

Mr. Brightman will now have charge of sales and distribution of all products made in the company's five textile mills —tire cord, yarns, ducks, Asbeston and Ustex.

H. E. Sunbury will assist Mr. Brightman in the division of Asbeston sales.

J. HARRY EBBERT JOINS GRANT WILSON, INC.

J. Harry Ebbert has been elected Vice President of Grant Wilson, Inc., 4101 W. Taylor St., Chicago, Ill., and will make his headquarters at the Chicago General Offices.



J. Harry Ebbert

Mr. Ebbert was formerly Vice President and General Manager of the Armstrong Company, manufacturers of Asbestos Furnace and Refractory Cements. During his 15 years association with that company he served as Manager of the Armstrong Chicago and Dallas plants and more recently as Vice President, directing the Company's sales, research and production from their Detroit offices.

The activities of Vice President Ebbert with Grant Wilson, Inc., will include sales direction and an active participation in the Company's post-war planning and the development of new markets for the many new Asbestos and Insulating Materials now offered by the Company.

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PLANT RECEIVES "E" AWARD AT EMERYVILLE FACTORY

The highly-prized Army-Navy "E" was awarded to the Emeryville, Calif., factory of the Plant Rubber & Asbestos Works the week of December 20th. Special ceremonies were conducted.



Employee receiving "E" pin at Emeryville factory of Plant Rubber & Asbestos Works

The Emeryville plant is one of only nine in the nation to earn the "E" during the month of November, 1943, and it is a source of deep pride to every member of the organization that they have been able to meet the high standards of production performance demanded for the "E" Award.

The Emeryville factory is devoted to the manufacture of Plant Precision Molded 85% Magnesia insulation.

. . . —

JOHN P. SYME, director of industrial and public relations of Johns-Manville Corporation, on December 22nd, addressed the School of Commerce of McGill University and the Advertising and Sales Executives Club of Montreal on "The Science of Public Relations." Mr. Syme described Public Relations as "the one science which can keep company policies and management attuned to the needs and demands of society, and at the same time keep society informed of both the limitations and the possibilities from business." Warning against the use of abstractions, Mr. Syme called for an attempt to "picture simply and clearly the system that we champion (democracy) rather than use a series of comfortable and meaningless platitudes to stand for it."

. . . —

THE 1943 A. S. T. M. STANDARDS on Textile Materials, sponsored by Committee D-13 is now available. So far as Asbestos materials are concerned there seems to be no change from the 1942 edition. Copies may be obtained from A. S. T. M. Headquarters at 260 S. Broad St., Philadelphia 2, Pa. Price is $2.25 per copy.

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ASBESTOS IN THE POSTWAR by John Langdon, published in the November 13th issue of the Financial Post, Toronto, Ont., is a very well written article generally speaking altho it contains a few rather serious errors.

For instance it states that celite is an asbestos product and it left out Southern Rhodesia as one of the main sources of supply. One or two other less important errors are noticeable.

Members of the Asbestos Industry when approached for information on asbestos by any free lance writer, are asked to urge have his manuscript checked before publishing, either by the person supplying the information or, if preferred, by the Editor of "ASBESTOS".

The checking of such manuscripts is one of our functions and we feel the keeping of erroneous statements out of the public press is a real service to the Industry.

. . . —

FIBRE & METAL PRODUCTS, INC., Downey, Calif. Announcement is made by D. W. Fether, President of this firm, of the appointment of Andrew Boyd as Purchasing Agent, succeeding William C. Blank, retired. Mr. Boyd has been associated with Fibre & Metal Products for the past four years, having been assistant to Mr. Blank for the last two.

PUBLICATIONS AVAILABLE

The Asbestos Factbook—Much information about asbestos, in compact form—10c per copy.

Canadian Chrysotile Asbestos Classification (reprint)—25c per copy, or 15c ea. in quantities of 10 or more.

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

Manual of Unit Prices (for figuring pipe covering and blocks)—30c per copy postpaid, or 25c plus postage in quantities of ten or more.

Processing Asbestos Fibres (Reprint) — of interest to textile plant superintendents or foremen—25 per copy.

Asbestos: The Magic Mineral, by Lilian Holmes Strack. Especially interesting to school children—$1.00 per copy.

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

WANTED

Asbestos Textile Plant Manager. A very good position is open to a thoroly experienced and capable executive. Address 12G-N, "ASBESTOS", 17th Fl., Inquirer Bldg., Phila., 30, Pa.

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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 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.

Insulation. No. 2,330,941. Granted on October 5, 1943, to William Scheetz Acuff, Jr., Horsham Township, Montgomery Co., Pa., assignor to Keasbey & Mattison Company, Ambler. Application February 23, 1940. Serial No. 320,249.

A building structure comprising spaced walls and stud members and a number of separate insulating units vertically positioned in the spaces between said members, each of said units comprising a mass of fibrous insulation and vertically extending corrugated sheeting surrounding said mass and enclosing it on all sides and shaped with a series of parallel ridge portions forming continuous vertically extending open ended air channels at least one quarter inch in depth along the surface of said sheeting and communicating with the interstices of said insulation and extending around the entire circumference of the mass and providing for air circulation from end to end of the insulation sufficient to protect the mass against the infiltration of moisture both from the inside and outside.

Fluid Distribution System. No. 2,330,966. Granted on October 5, 1943, to Christian Gottwald, Cleveland Heights and William S. McLeish, Barberton, Ohio, assignors to Ric-wiL Co. Application September 18, 1939. Serial No. 295,390.

A conduit unit comprising an inner fluid conducting tube, an outer sheet metal casing, of helically corrugated sheet material surrounding said tube and spaced therefrom, rings of heat insulating material having external helical corrugations threaded into the corrugations of the casing and bearings carried by said rings supporting said tube in spaced relation to the casing, said bearings comprising wear-resisting shoes permanently fixed to the rings.

Heat Insulating Material. No. 2,334,399. Granted on November 16, 1943 to Donald W. Fether, Downey, Calif. Application April 27, 1942. Serial No. 440,666.

The method of making composite tape insulating material that includes advancing a mass of interengaging substantially untwisted and loosely constituted small size asbestos fibre rovings in random arrangement and unrestrained against such advancement, and simultaneously braiding an insulating jacket about said mass of rovings, while internally supporting the jacket across its full width as formed and independently of the strip materials.

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Heat Insulating Material. No. 2,334,400. Granted on November 16, 1943 to Donald W. Fether, Downey, Calif. Application April 27, 1942. Serial No. 440,667.

Composite strip insulating material comprising a mass of small size rovings of heat insulating material extending longitudinally of the strip and in random arrangement each roving comprising a strand of carded fibres loosely assembled in the same unwrapt and substantially untwisted condition in which it is taken from the card and a jacket of yarns of heat insulating material enclosing said mass of rovings and loosely braided to give the jacket substantially open formation.

Asbestos Cement Pipe Forming Machine. No. 2,334,807. Granted on November 23rd, 1943, to John Arthur Cann, Bickley, England, assignor to Turner & Newall, Ltd., Spotland, Rochdale, England. Application May 23, 1941. Serial No. 394,907. In Great Britain May 27, 1940.

In apparatus for forming a pipe, the combination with a lower roller at least as long as the pipe to be formed of a travelling web running around said roller and driven thereby and adapted to carry on its outer surface a thin layer of pipe forming material of a width equal to the length of the pipe being formed, supporting means below said roller and belt vertically, means for rotating said roller, cooperating upper beltless idler roller means at least the equal in length to said pipe and fixed in position above said lower roller during each pipe forming operation and spaced from said lower roller to form a cradle and a rotatable mandrel of full pipe length in said rotatable cradle supported by said lower roller to pick up said web-carried material and press it into direct contact with the surface of said upper roller means to form the pipe against said surfaces as the lower roller and mandrel recede to accommodate the increasing thickness of the pipe and the successive layers to accumulate on the mandrel.

Formed Article. No. 2,335,242. Granted on November 30, 1943 to Harold W. Greider and Roger A. MacArthur, Wyoming, Ohio, assignors to Philip Carey Mfg. Company, Cincinnati, O. Application July 11, 1939. Serial No. 283,738.

A method of manufacturing a formed article comprising basic magnesium carbonate, which comprises mechanically disintegrating in the presence of water needle-shaped crystals of normal magnesium carbonate to form therefrom a multiplicity of particles of unordered shape, the average length of the crystals being less than 10 microns making a formed mass containing said normal magnesium carbonate crystals and water and heating the formed mass to convert said disintegrated normal magnesium carbonate crystals to basic magnesium carbonate.

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THIS and THAT

The American Society of Heating & Ventilating Engineers will hold its 50th Anniversary Meeting in New York City, January 31, February 1 and 2, 1944.

The first Annual Meeting of the Society was held in New York City with an enrollment of 75 Charter members.

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Certainteed Products Corporation, Chicago, Ill., publishes a newspaper for its employees in the armed services, under the title Certainteed Salutes. About 600 of their employees are now in the Service.

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In the year 1931 (according to March 1932 "ASBESTOS", page 51) 2800 airplanes were manufactured in the United States, 1807 of which were for domestic civil use.

In the *month* of October 1943 8,362 planes were produced.

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The 1944 Spring Meeting and Committee Week of the American Society for Testing Materials will be held in Cincinnati, Ohio, at the Netherland Plaza, February 28 to March 3. The technical feature of the meeting will be a Symposium on Application and Uses of Synthetic Rubber.

The 1944 (47th) Annual Meeting will be held in New York City at the Waldorf-Astoria June 26 to 30.

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The Prefabricated Home Manufacturers Institute, set up in November 1943, will specialize during its first year in setting up standards of performance for prefabricated structures for the War and Navy Departments. H. H. Steidle is Manager of the Institute and it is located in Shoreham Building, Washington, D. C.



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CURRENT RANGE OF PRICE

As of January 10, 1944

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 Stock 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.)

		December 1943		
	Par	Low	High	Last
Armstrong Cork Co. (Com.)	np	35⅞	38½	37½
Asbestos Corp. (Com.)	np	21	22⅜	21¾
Celotex (Com.)	np	10⅜	11⅞	11¼
Celotex (Pfd.)	20	16¾	17½	17¼
Certainteed (Com.)	1	4¾	5⅜	5
Certainteed (Pfd.)	100	57½	62	59¾
Flintkote (Com.)	np	18	19⅞	19⅝
Flintkote (Pfd.)	np	103⅞	110	110
Johns-Manville (Com.)	np	83¼	88½	86¼
Johns-Manville (Pfd.)	100	123¼	129¼	129¼
Raybestos-Manhattan (Com.)	np	24¾	28¾	28¾
Ruberoid (Com.)	np	23⅞	25¼	25
Thermoid (Com.)	1	6¾	7⅜	7⅜
Thermoid (Pfd.)	10	42	45½	44
U. S. Gypsum (Com.)	20	68½	73	73
U. S. Gypsum (Pfd.)	100	167	175	170
U. S. Rubber (Com.)	10	37⅜	43¾	43¾
U. S. Rubber (Pfd.)	100	124	132	132

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