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

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Write for details of the complete Ehret line. It includes practically every type of heat and cold insulation, and asbestos products.

EHRET MAGNESIA MANUFACTURING COMPANY

VALLEY FORGE • PENNSYLVANIA

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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*

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CONTENTS

	Page
How Plan for Post-War?	2
Small Business	3
Transportation	4
Asbestos Textiles Allocated	6
Massachusetts State College—An Installation Story	8
A. S. T. M. Issues 1944 Volume—Electrical Insulation Materials	12
Market Conditions	14
Asbestos-Cement Hopper for Home Furnace	18
Statistics on Asbestos 1940 and 1941	23
Campaign for Safety	28
Contractors and Distributors Page	30
"Build with Asbestos" Changes in L-41	
News of the Industry	32
Raybestos Two-day Sales Conference	34
Louis C. Rugen Dies	35
Carey Elects Officers and Directors	36
Uniseal—A New J-M Product	37
Patents	38
This and That	39
Current Range of Price	40
Asbestos Stock Quotations	40

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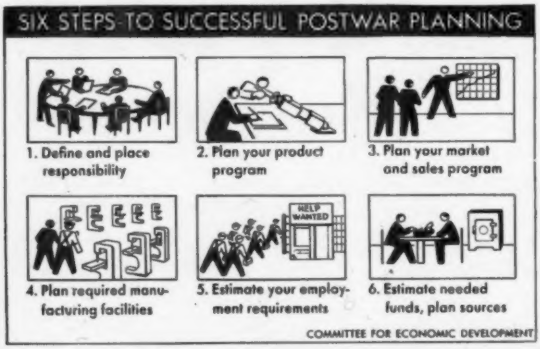
Asbestos Magazine, 1944, April 1944
ACL Doc 12342 · Page 3 of 45
Published by AsbestosClaims.Law
asbestosclaims.law/library/12342/3

HOW PLAN FOR POST-WAR?

Post-war Planning—it's a glib phrase on everyone's tongue—you hear it in lectures, addresses, over the radio, and not a newspaper or magazine can you pick up without finding somewhere someone urging you to plan for after the war.

But—when we try to apply it to our own special businesses—that's another matter. And for two chief reasons. First because post-war plans depend on so many factors over which we have no control, or at best only very indirect control. Seemingly they are affected by every wind that blows; by Government whimsies and human idiosyncracies.

What will Government do about this, that and the other thing? Will there be sufficient quantities of this, that



and the other available to make certain articles? When will the post-war period actually begin? What competition will come from other materials made for the same purpose? From other commodities?

The second reason is the variance of the answers to those questions from month to month, year to year. We may be able to answer the questions as of today, but what will the answers be next year?

When we start to plan for after the war, just where and how do we begin? A chart "Six Steps to Successful

Asbestos Magazine, 1944, April 1944
ACL Doc 12342 · Page 4 of 45
Published by AsbestosClaims.Law
asbestosclaims.law/library/12342/4

Postwar Planning" recently issued by the Committee for Economic Development and reproduced herewith, does give at least a fair starting point. And it seems to us that the first two steps mentioned—*Define and place responsibility* and *Plan your product program* are the most important. If we can take those steps, the rest will come along as a matter of course.

Many firms, including many asbestos ones, are increasing their research activities with the second step "plan your product program" definitely in view.

Run down the list of asbestos products — textiles, paper, insulation, automotive requirements, asbestos-cement products. Most of these lines are kept busy filling current orders at the present time, but when the orders begin to slack off, when government does not need such a large part of the output, how can the slack be taken up? One of these days we are going to ask the manufacturers of these products that very question—where and in what specific products will your market be after the war?

SMALL BUSINESS

In the United States today there are approximately 3,000,000 separate business establishments, exclusive of agriculture. These enterprises may be grouped roughly into the following four classifications:

1. About 1,000,000 self-employed who work independently with no employees.
2. About 2,000,000 businesses which employ fewer than 100 workers each.
3. About 35,000 which employ between 100 and 1,000 workers each.
4. About 3,300 which employ more than 1,000 workers each.

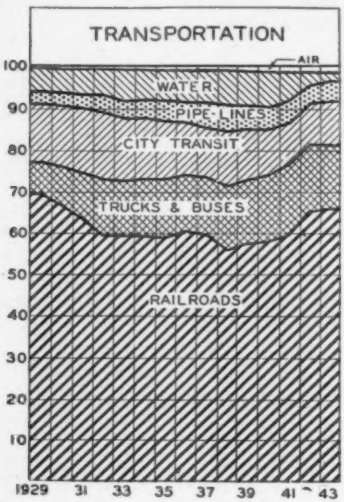
Of the total business employment in the United States, roughly 45% is accounted for by the businesses which employ fewer than 100 workers each.

—Committee for Economic Development.

Asbestos Magazine, 1944, April 1944
ACL Doc 12342 · Page 5 of 45
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asbestosclaims.law/library/12342/5

TRANSPORTATION

The graph below shows the relation of volume (passengers and freight) carried by six types of transportation — railroads, trucks and buses, city transit, pipe lines, water, and air—from 1929 to 1943 inclusive. This graph has been reproduced from a recent issue of The Cleveland Trust Company Business Bulletin.



Railroads, it will be noted, carry by far the largest percentage; air is, of course, in its infancy, but this space will widen considerably in the next few years.

As to pipe lines, only within the last year has Mr. John Public considered them a means of transportation, but they are performing a valuable function at the present time.

Our readers will find this graph interesting and, we hope, helpful.

. . . —

General Electric Company granted $277,220 during 1943, for awards to employees for suggestions. During the 21 years in which the suggestion system has been operative, a total of $1,472,402 has been disbursed by the Company for this purpose.

. . . —

Don't forget to send us news. News means publicity for you; more interesting numbers for our readers.

Asbestos Magazine, 1944, April 1944
ACL Doc 12342 · Page 6 of 45
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Carey HEAT INSULATIONS



Careycel—For temperatures up to 200° F

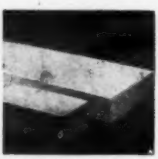
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The CAREY Line includes high efficiency insulating materials of Asbestos and Magnesia for every known service condition—for temperatures ranging from

SUB-ZERO to 2500° F.



85% Magnesia—For High & Med. Pressure.



Hi-Temp Blocks—For Furnaces, Ovens, Kilns, etc.



Combination Hi-Temp—85% Magnesia.



Hair Felt Insulation For sub-zero

In addition to the insulations shown, Carey makes other Asbestos Specialties — as Plastic and dry Refractory Cements, Asbestos Paper, Asbestos Millboard, Asbestos Packings, Asbestos Cements, Flat and Corrugated Sheathing, Careystone Asbestos-Cement Shingles and Siding, Asbestos Fibre.

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.

THE PHILIP CAREY MFG. COMPANY • Lockland Cincinnati Ohio

Dependable Products Since 1873

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ASBESTOS TEXTILES ALLOCATED IN LAST THREE QUARTERS OF 1943

Asbestos Textiles for end use products have been under direct allocation since April 1, 1943, and the asbestos textile industry has been working at capacity for some time to supply the necessary requirements for the Army, Navy, Maritime and various other agencies. These demands exceed the present production of the Industry.

During the last six months of 1943, approximately 95% of all allocations were shipped by the suppliers to the consumers each month.

A tabulation showing the number of pounds allocated for the various products each quarter, has been compiled by the Cork, Asbestos & Fibrous Glass Division, and issued under date of March 28th, 1944. This tabulation is given below:

	2nd Qr. 1943	3rd Qr. 1943	4th Qr. 1943	Total
	Pounds	Pounds	Pounds	Pounds
Mechanical Pkgs. & Gaskets	2,094,000	2,259,000	2,160,000	6,513,000
Safety Clothing	732,000	470,000	395,000	1,597,000
Friction Material	3,586,000	3,547,000	3,197,000	10,330,000
Shipbuilding	1,763,000	1,836,000	1,599,000	5,198,000
Electric Cable	3,984,000	3,703,000	3,816,000	11,503,000
Aircraft	402,000	411,000	327,000	1,140,000
Steam & Fire Resistant Hose	104,000	55,000	72,000	231,000
Laminated Plastics	160,000	211,000	183,000	554,000
Elec. Equipment (New and Main)	693,000	651,000	735,000	2,079,000
Maintenance & Repair (Exc. Elec).	511,000	405,000	479,000	1,395,000
Flexible Metal Tubing	91,000	103,000	94,000	288,000
Export	28,000	6,000	5,000	49,000
Miscellaneous Products	647,000	896,000	953,000	2,496,000
	14,805,000	14,553,000	14,015,000	43,373,000

It is estimated that during 1944, allocations of asbestos textiles will total between 57,000,000 and 58,000,000 pounds, or approximately 14,250,000 to 14,500,000 pounds each quarter.

. . . —

"Inspiring and Maintaining Employee Morale," by Robert B. Davis, General Manager, Raybestos Division, Raybestos-Manhattan, Inc., Bridgeport, Conn., appeared in the February 1944 issue of the Executive Service Bulletin published by the Policyholders Service Bureau, Group Division, of the Metropolitan Life Insurance Company, 1 Madison Ave., New York, 10, N. Y.

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ACL Doc 12342 · Page 8 of 45 asbestosclaims.law/library/12342/8



Asbestos Fibre Distributors

Through the untiring efforts of the research scientists, there are now a thousand and one uses for the rare properties with which nature has endowed her magic mineral . . . asbestos. Supplying the proper asbestos fibre for every specific use has long been the specialty of Asbestos Fibre Distributors. If you would like samples, prices or further information, address:

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Division of Johns-Manville Sales Corp.

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MASSACHUSETTS STATE COLLEGE

Insulated With 85% Magnesia

Scattered over a sprawling campus of 700 acres, is Massachusetts State College at Amherst, Mass., originally a college of agriculture and husbandry, but now teaching many other subjects in academic and scientific courses as well.

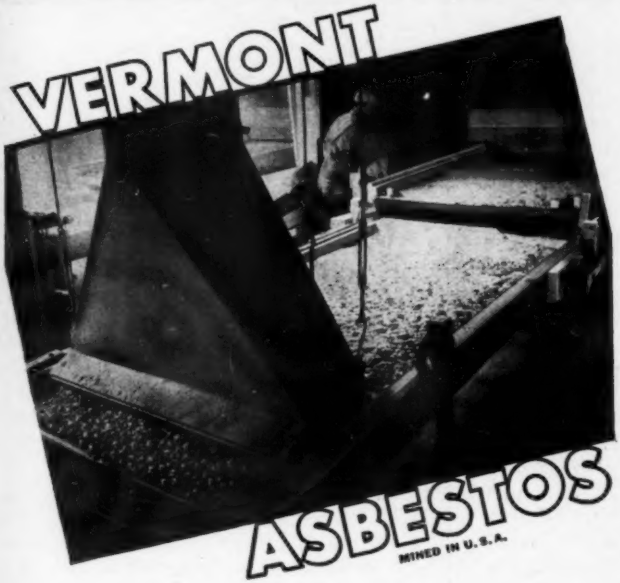
Massachusetts State College is on the opposite side of the town from Amherst College, which is a separate institution. It was originally known as Amherst Agricultural College, but its name was changed to Massachusetts State College, partly to avoid confusion with the older college and also because it is a state supported institution.

It was established in 1863 and has grown from four wooden buildings with four teachers to a group of 40 brick and stone buildings and a faculty of 398, including county and field agents. Goodell Library, completed in 1935, has one of the largest collections of books, pamphlets, reports and other publications on agriculture and the allied sciences in the country.

In addition there is the College Farm of 270 acres, with scientifically heated stock barns, housing 175 registered cattle, and Tillson Experimental Poultry Farm, with more than 1,000 layers. A horticultural field station at Waltham, Mass., and a cranberry field station at Wareham are also operated by the college. And there is a demonstration forest of 750 acres on Mount Toby, a few miles away. The original farm of 1863, with run down fields, degenerated apple orchard, cut up by Virginia rail fences, has been metamorphosed thru the years to one of the finest scientific agricultural plants and one of the most attractive campuses in the country.

All but two of the 40 buildings comprising the College, are heated from a central steam boiler plant by means of underground mains, having an approximate range of a quarter square mile. Of these underground mains about 9,400 feet and returns are laid in concrete tunnels, built within the past two or three years, while

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ACL Doc 12342 · Page 10 of 45
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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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VERMONT ASBESTOS MINES

Division of The RUBEROID Co.

HYDE PARK, VERMONT

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

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conduits comprise the older lines of 15,600 feet, including returns. There are also approximately 3,400 feet of branch lines to buildings, including returns.

The main steam tunnel starts from the upper floor of the main boiler house over a steel bridge above a brook beside which the plant stands and enters the bank on the opposite side, with condensate returns entirely by gravity. The older conduit mains are 8", heavily insulated.

The tunnel lines are also heavily insulated, all the insulation being of the 85% Magnesia type (of Johns-Manville manufacture) and in the tunnel lines the insulation is covered with a waterproof paper jacket. Steam supplied from the three-boiler plant, totaling 1500 horsepower, is used both for heating the buildings and for various types of process work in the laboratories and farm buildings—dairy barns, poultry houses, greenhouses. The average production of steam is about 181,000,000 pounds per year, with only a normal consumption of 8,000 tons of coal annually.

In addition to the 38 buildings supplied by the central heating plant there are two other buildings—Butterfield House and Fisher Laboratory—on the far side of the campus from the main group, which are heated by a separate boiler, (originally installed for oil burning, but since converted to coal). Butterfield House is the freshman girls' dormitory, accommodating 150 girls, and has a big cafeteria.

The separate plant for Butterfield House and Fisher Laboratory was established because the cost of 1600 additional feet of tunnel and insulated piping to connect with the main boiler plant was prohibitive, altho the underground lines and steam pressure could easily reach them.

The boiler in this separate plant is a 20 section with about 100 rated horsepower. It supplies steam for both heating and process work, such as cooking in the cafeteria and for sterilizers and stills in the laboratories, and for hot water, fed from a tank of 720 gallons capacity. Both boiler and hot water tank are heavily insulated with

Asbestos Magazine, 1944, April 1944
ACL Doc 12342 · Page 12 of 45
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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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85% Magnesia (J-M make). The various other buildings also have hot water tanks, fully insulated, heated from the underground mains running to them.

Lionel G. David is plant engineer, while the Johnson Asbestos Company of Springfield, Mass., did much of the insulation work. The George Reid Company of Greenfield, Mass., was the original heating contractor for Butterfield House and Louis A. Ross of Boston, its architect. The engineering firm of Richard D. Kimball Company of Boston figured specifications for both heating and ventilating of the building and Stone-Underhill Company of Quincy, Mass., engineered the installation.

A. S. T. M. ISSUES 1944 VOLUME ELECTRICAL INSULATING MATERIALS

The 1944 Volume of A. S. T. M. Standards on Electrical Insulating Materials has recently been issued by the American Society for Testing Materials.

This 515-page publication gives in their latest form the more than 75 A. S. T. M. standards specifications and test methods covering electrical insulating materials and related products. New material included for the first time gives requirements for phenolic molding compounds, laminated thermosetting materials and other insulating materials, including the tensile properties of plastics.

Three Specifications for Asbestos materials are given, viz: D 299-42 covering Asbestos Yarns; D 315-41 Asbestos Tape for Electrical Purposes; and D 375-42 for Asbestos Roving for Electrical Purposes, this last including Emergency Alternate Provisions, issued in the interest of expediting procurement or conservation of materials during the war.

An interesting part of the publication is the section giving references on significance of tests of various electrical insulating materials.

The book may be obtained from the headquarters of the Society, 260 S. Broad Street, Philadelphia, 2, Pa., at $2.75 per copy.

Asbestos Magazine, 1944, April 1944
ACL Doc 12342 · Page 14 of 45
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asbestosclaims.law/library/12342/14

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ACL Doc 12342 · Page 15 of 45
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MARKET CONDITIONS

GENERAL BUSINESS

There has been little change in general business conditions since last month. The manpower situation is getting worse all along the line, and it is probable that many small business concerns will be forced to close up because it is practically impossible for them to obtain workers with the necessary skill or knowledge. In this connection read the item "Small Business" on page 3.

Another factor which is causing uneasiness is the paper shortage, particularly as to cartons and containers. It's up to all of us to conserve paper of every kind, and also to salvage waste paper. Much more could be done in salvage if there was some sort of organized effort behind it. Many individuals and businesses as well would be glad to collect and save waste paper if they could make disposition of it after collected.

The outlook for the production of civilian goods, that is certain lines of civilian goods, is much brighter, principally because war production at its present high level is satisfactory and some of the smaller plants will be allowed to devote their time and energy to civilian needs.

ASBESTOS - RAW MATERIAL

The asbestos fibre situation remains about the same as reported in March. Production is holding up; shipments during the month were slightly off. Inventories in this country remain about the same. Demand for crudes and fibres is steady at present and because of the manpower shortage there is very little possibility for demand increasing during the present year.

ASBESTOS - MANUFACTURED GOODS

Textiles. Demand continues at about the same rate—a high level. Shipments of textiles allocated have shown a slight tendency to fall short, principally due to manpower difficulties in the plants.

Packings and gaskets, because of large Navy and en-

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ACL Doc 12342 · Page 16 of 45
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LIGHTWEIGHT

...Easy for one man to lift!



Section shown is canvassed, 18" sectional (2-piece) pipe covering, 1½" thick. Complete range of sizes and thicknesses in blocks and pipe coverings (in sectional form up to and including 18" pipe-size).

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PLANT

PRECISION MOLDED

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85% MAGNESIA

"THE DEPENDABLE STANDARD—MODERNIZED"

ARMY (E) NAVY

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

Asbestos Magazine, 1944, April 1944
ACL Doc 12342 · Page 17 of 45
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gine builder contracts, and an increasing maintenance and repair demand, are very tight.

Brake Lining. The brake lining industry is producing at capacity because of large requirements of U. S. Ordnance, plus normal business. The Ordnance Department, in fact, is finding it increasingly difficult to obtain desired quantities in either woven or molded types.

The total sales for February increased not only over those for the same month last year but also over those for the previous month. Export sales decreased from last February but recorded an increase over January 1944.

Clutch facings, both woven and molded are in demand for both new equipment and for replacement.

Asbestos Paper. One of our correspondents admits that while he has been expecting at least a slight decrease in the demand for asbestos paper, so far it has not materialized. This same firm tells us that a great many inquiries and quite a few orders are coming in at present from pre-war channels of distribution, indicating that there is a gradual swing back to regular paper business. Both demand and prices are described as steady.

Asbestos Millboard. While there appears to have been no decrease in Millboard business since last month some manufacturers anticipate a decrease in demand for Millboard during the rest of the year. Prices are firm.

Insulation. High Pressure. Very little comment has reached us on the market situation in the high pressure types of insulation. Prices are firm; demand is still high. Indications are for a slight decrease in the future, in fact the backlog of orders is diminishing slightly.

Insulation. Low Pressure. A slight decrease in this market is noted with prices steady.

Asbestos Cement Products. According to one manufacturer, current indications in the asbestos-cement shingle market are that demand will exceed production capacity for the entire year.

"Demand for asbestos shingles, sidings and wallboards" says another, "continues substantially in excess of the supply, with prospects that this condition will continue for some time to come."

All agree that the supply is limited by the inability

Asbestos Magazine, 1944, April 1944
ACL Doc 12342 · Page 18 of 45
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ASBESTOS

ASBESTOS CORPORATION LIMITED

THETFORD MINES

QUEBEC CANADA

REPRESENTATIVES

GREAT BRITAIN: ..... W. A. JANITCH,
6 Maresfield Gardens, London, N. W. 3

U. S. A.:

BALTIMORE, MD.: ..... WALLACE & GALE CO.,
115 South Gay St.

CLEVELAND, OHIO: ..... WORLD'S PRODUCTS TRADING CO.,
Rockefeller Bldg.

CHICAGO, ILL.: ..... ALBERT E. STARKIE CO.,
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NEW YORK, N. Y.: ..... WHITTAKER, CLARK & DANIELS, INC.,
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MONTREAL, QUE.: ..... ATLAS ASBESTOS CO., LTD.
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ACL Doc 12342 · Page 19 of 45
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of manufacturers to secure enough labor to operate at full capacity.

Despite the manpower shortage shipments of asbestos siding the first two months of 1944 substantially exceeded the shipments for a like period in 1943, and if the labor situation does not become worse, it is likely that there will be more shingles and sidings shipped this year than last, with the improvement showing in the first six months of the year which should be about equal to the last six months of last year.

The market for flat asbestos sheets continues steady. Corrugated sheathing is active in the Middle West and Pacific Coast areas.

Asbestos Pipe Manufacturers are in a position to meet most requirements. The time of repeal of wartime regulations covering materials will determine the rate of acceleration in the asbestos pipe industry.

Manpower is the current serious problem thruout the whole Asbestos Industry, and the outlook for improvement in that direction is not very promising.

The above comments are made by men in close touch with the several markets. Comments from any interested reader are always welcome.

ASBESTOS-CEMENT HOPPER[1] FOR THE HOME FURNACE

The Forest Products Laboratory, Forest Service, Department of Agriculture, has developed a hopper unit using asbestos-cement board for its outer wall, the unit to be attached to ordinary home furnaces to burn baled or loose shavings, sawdust, chunk or stove wood, bundled edgings, slags or shop waste.

The hopper is said to cost around $50 and is described as a box-like compartment with an inner wall of firebrick and an outer wall of asbestos-cement board with asbestos insulating material between. It is built on the cellar floor directly in front of the furnace, is connected with the ash pit by a flue of the same materials and is fed from the top.

[1] **This information from the New York Sunday Times of March 12, 1944.**

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ACL Doc 12342 · Page 20 of 45 asbestosclaims.law/library/12342/20

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Mines

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FROM YELLAMALAI HILL

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Beset by ruthless enemies at her borders, and grave domestic problems within, India still supplies the fine Raw Asbestos which is vital to the needs of war and industry.

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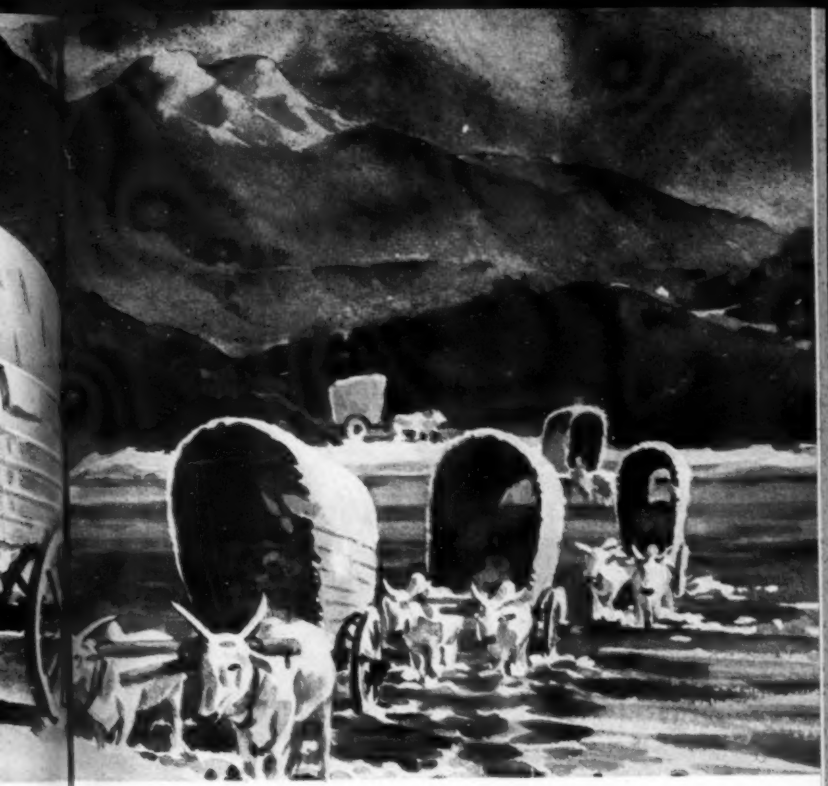
ASBESTOS

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

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

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

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ILL F INDIA TO NEW JERSEY

estos to the world fight for freedom

Then, on to the sea . . . and on again through war-infested waters . . . to the plant of Asbestos Limited Inc. in Millington, N. J.

★ ★ ★ ★ ★

For more than twenty-five years Asbestos Limited Inc. has been the only company in the United States to maintain ample supplies of raw Asbestos from every known source.

TRADEMARK REGISTERED

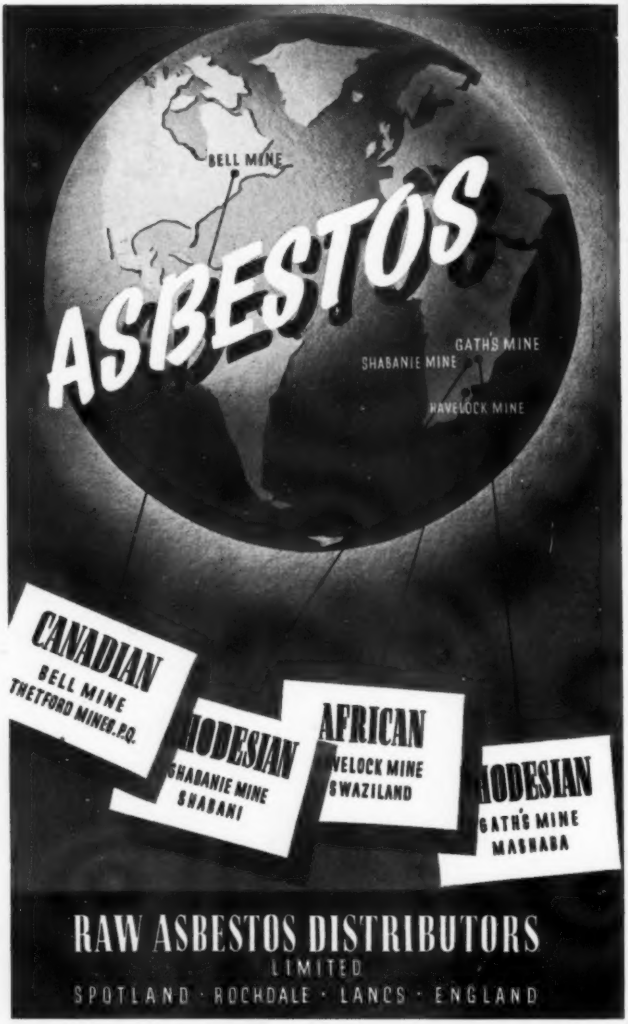
ESTOSITED INC.

OHANNESSOUTH AFRICA . . . WORKS: MILLINGTON, NEW JERSEY

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

. . Crest[illegible] manufacturers of *New Era Insulation*, lightest rigid insulation for all temperatures

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STATISTICS ON ASBESTOS 1940 AND 1941

As mentioned in our March number (page 40) the Office of War Information has released for publication the Asbestos Chapter of Minerals Yearbook 1941, as prepared by Oliver Bowles and A. C. Petron of the U. S. Bureau of Mines, it having been decided that statistics for that year would be of no great use to the enemy at this date but that their publication would be helpful to the Asbestos Industry in this country, enabling them to bring their records on U. S. Asbestos production, sales, imports and consumption, uptodate as of December 31st, 1941.

Copies of this Asbestos Chapter may be obtained by writing the Superintendent of Documents, Government Printing Office, Washington, D. C. The price is 5c.

Some of the tables included in the chapter are published in the following:

Production, Sales, and Apparent Consumption of Asbestos in the United States during 1940 and 1941

	1940 Short Tons	1941 Short Tons
Domestic Asbestos Produced		
Chrysotile	17,481	20,144
Amphibole	1,693	2,252
	19,174	22,396
Sold or used by Producers		
Chrysotile	18,672	22,439
Amphibole	1,388	1,952
	20,060	24,391
Imports from other Countries	246,613	419,446
	266,673	443,837
Exports	4,474	4,846
Apparent Consumption	262,199	438,991

The table of World Production which is always included in the Minerals Yearbook contains little data for 1941 as it was, naturally, impossible to obtain it.

Asbestos Magazine, 1944, April 1944 Published by AsbestosClaims.Law
ACL Doc 12342 · Page 25 of 45 asbestosclaims.law/library/12342/25

Manufactured Asbestos Products Exported from the United States during 1940 and 1941, by Kinds.

		1940		1941	
Brake Lining	Unit	Quantity	Value	Quantity	Value
Molded and Semi-molded	.....	.....	$635,425	.....	$1,150,386
Not molded	lin. ft.	638,037	139,146	1,277,562	285,192
Clutch Facings	number	411,958	147,169	1,006,371	364,420
Paper, Mlbd & Roll-board	tons	1,231	196,232	1,540	212,157
Pipe Covg. & Cement	tons	1,667	171,558	1,187	136,501
Textiles, Yarn & Pkg.	tons	1,124	1,028,229	1,556	1,356,793
Asbestos Roofing	sqs.	70,505	413,735	82,149	334,246
Magnesia and mfrs.	tons	1,373	225,985	2,149	313,787
Other Asbestos mfrs.	tons	2,956	515,769	4,431	679,466

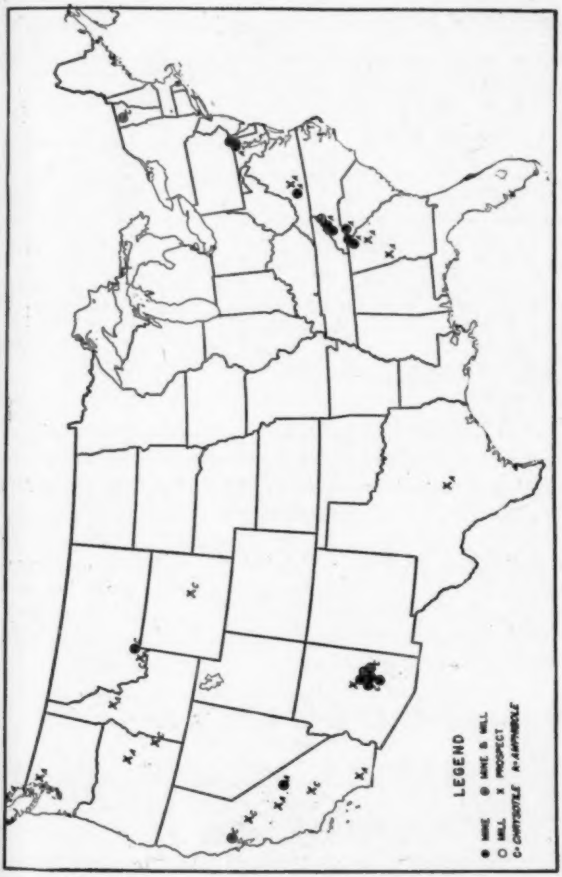
Another interesting feature of the Chapter is a map showing location of deposits of Asbestos in the United States. This is reproduced on the opposite page. The prospects recorded are confined to those which appear to have commercial importance. Description of the United States deposits is given as follows:

"The eastern deposits of the United States follow closely the highly metamorphosed areas of the Appalachian Mountains. Alteration of ultrabasic rocks (chiefly dunites) resulted—in Vermont and farther north in Quebec, Canada—in the development of chrysotile asbestos, whereas in the southern belt, extending from Pennsylvania to Georgia, the asbestos formed was of the amphibole type, associated with talc, soapstone, greenstone, and other secondary rocks and minerals. Chrysotile is rarely found in the Southeastern States.

"The Arizona chrysotile differs entirely in origin from that found in Vermont and Canada. It occurs in bedded veins associated with siliceous dolomites metamorphosed by diabase intrusions. Other western deposits occur generally in highly altered zones of the Rocky Mountain and Coast Ranges."

On page 6 of the Asbestos Chapter will be found a graph comparing asbestos consumption with automobile production and building construction for the years 1920 to

Asbestos Magazine, 1944, April 1944
ACL Doc 12342 · Page 26 of 45
Published by AsbestosClaims.Law
asbestosclaims.law/library/12342/26

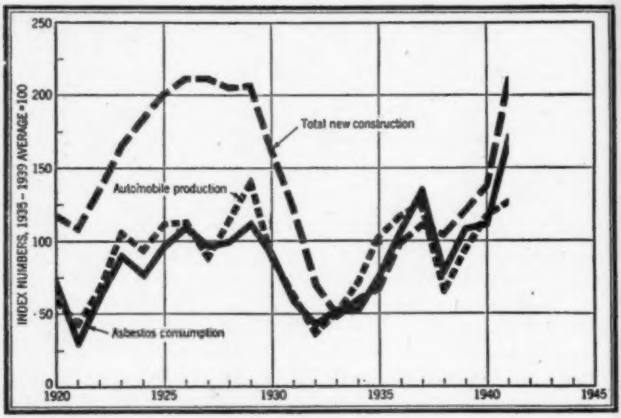


Location of asbestos mines, mills and prospects in the United States.

Asbestos Magazine, 1944, April 1944
ACL Doc 12342 · Page 27 of 45
Published by AsbestosClaims.Law
asbestosclaims.law/library/12342/27

1941 inclusive. This graph is reproduced below:

"The consumption of asbestos is governed to quite an extent by the number of automobiles manufactured because all kinds of automotive transport equipment require brake



Consumption of asbestos compared with automobile production and construction activity.

bands and clutch facings. Activity in building construction also has a decided influence on asbestos sales because asbestos heat-insulation and fireproofing materials, as well as asbestos-cement products (such as shingles, siding and wallboard) are used extensively."

—PRODUCERS—
of
MARBLE FLOURS
and
GRINDINGS
In all Meshes
UNIVERSAL MARBLE PRODUCTS CORP.
Thornwood, N. Y.

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ACL Doc 12342 · Page 28 of 45
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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
ASBESTOS ROVING — TUBING — WICKING
ASBESTOS CARDED FIBRES — LISTING TAPES
OIL BURNER WICKING

CAROLINA ASBESTOS COMPANY

EXECUTIVE OFFICES:
DAVIDSON, N. C.

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

Asbestos Magazine, 1944, April 1944
ACL Doc 12342 · Page 29 of 45
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asbestosclaims.law/library/12342/29

CAMPAIGN FOR SAFETY

Last year's 2,225,000 job injuries cost 56,000,000 man days of war production—not to mention 22,000 workers killed on the job and the time lost by 120,000 others permanently injured thru the loss of an arm or leg, finger or hand. Today our only manpower reserve is already employed in the plants themselves.

Because organized safety effort can prevent most job accidents, the Department of Labor is inaugurating this month (April) a campaign to prevent a million industrial accidents in 1944. This program is built around the National Committee for the Conservation of Manpower in War Industries.

The Labor Department, thru the State Chairman of this Committee, will award certificates to two classes of establishments: First, those which have no lost time injuries during a specified three month period; second, those which reduce the accident frequency rate by 40 per cent during this three month period as contrasted with the preceding three months.

A special bulletin, "Reducing Accidents on the Production Front" tells what has been accomplished by the National Conservation Committee. Copies will be sent to any interested person without cost. Simply write the Division of Labor Standards, U. S. Department of Labor, Washington 25, D. C.

• • • —

The American Overseas Advertising Service, Inc., 424 Madison Ave., New York City, has been organized to serve American companies in facilitating the handling of their sales promotion, advertising and public relations problems in North Africa and all liberated European countries. Various means, under the jurisdiction of the United Nations, available for promotional use in all those countries, can and must be utilized for the immediate imperative object of building up good will and for the important task of laying the ground work for future American international business relations.

Asbestos Magazine, 1944, April 1944
ACL Doc 12342 · Page 30 of 45
Published by AsbestosClaims.Law
asbestosclaims.law/library/12342/30

PRODUCTS BY NORRISTOWN

NORRIS FLEXIBLE BOILER JACKET
STANDARD AIR CELL PIPE COVERING
CELL-O-TONE PIPE COVERING
ANTI-SWEAT PIPE COVERING
WOOL FELT PIPE COVERING
AIR CELL BLOCK INSULATION
ASBESTOS CORRUGATED PAPER
ASBESTOS PAPER
ASBESTOS MILLBOARD
ASBESTOS PLASTIC INSULATION

V-DENT COVERING

The Accepted Covering for Medium Pressure Up to 500° Temp.

NORRISTOWN MAGNESIA AND ASBESTOS COMPANY

Asbestos Magazine, 1944, April 1944
ACL Doc 12342 · Page 31 of 45
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CONTRACTORS AND DISTRIBUTORS PAGE

"BUILD WITH ASBESTOS"

How asbestos cement products are helping keep America's farm buildings "fit and fighting" is told in a 24-page booklet, "Build it with Asbestos", which has just come off the press. The new publication will be circulated widely among farmers and building materials dealers to stimulate an even greater use of these non-critical materials in farm construction and repair.

The primary purpose of the booklet, according to its sponsors, is to assist farmers in solving their building problems, which are now aggravated by serious shortages of lumber and other materials. It is tied in directly with the "Food Fights for Freedom" program.

Thru text and illustrations, the two-color booklet describes how old farm buildings can be restored to good condition and how new shelters can be constructed thru the use of asbestos-cement board, asbestos shingles and asbestos siding. Also included are helpful suggestions for handling and applying the products.

Preparation of the publication was handled by the publicity committee of the Asbestos Cement Products Association in cooperation with the Keasbey & Mattison Company. The following manufacturers are listed as sponsors: Asbestos Limited, Inc., the Philip Carey Manufacturing Company, R. J. Dorn Company, The Flintkote Company, Johns-Manville, Keasbey & Mattison Company, The Ruberoid Co., and Tilo Roofing Company.

CHANGES IN L-41

On March 7th the War Production Board made two slight changes in Conservation Order L-41. First, on airport construction, the limit allowed without getting WPB permission for any job begun in the same year, is placed at $1,000 as against the former limit of $200.

Second, WPB permission under Order L-41 will be necessary on all plumbing and heating installations where the cost of construction, including the cost of the equipment is in excess of the L-41 cost limits. Applications for this type of construction must be made on WPB form 2896.

On March 24th, Interpretation 4 was issued, this clarifying the type of pre-fabricated building which is considered "construction" and therefore subject to the restrictions of Conservation Order L-41.

"The only case," reads the interpretation "in which the erection of a portable or pre-fabricated building is not 'construc-

Asbestos Magazine, 1944, April 1944
ACL Doc 12342 · Page 32 of 45
Published by AsbestosClaims.Law
asbestosclaims.law/library/12342/32

tion' is when it is placed on what is intended to be a temporary site with the purpose of moving it from time to time and without affixing it to the land by plumbing, public utilities connection or in any other way."

For example, the erection of a portable structure for use as a garage on a house lot is generally construction, but the erection of a shelter to be moved around to use on different parts of a farm from time to time, is not construction.

Those wishing to have these revisions in their file on Order L-41, should write the Office of War Information, Washington, D. C., for copy of L-41, As Amended March 7, 1944, and for Interpretation 4, of Order L-41, dated March 24, 1944.

. . . —

Salesmen—Carry a few Asbestos Factbooks with you to hand to customers. They will enjoy reading them.

PUBLICATIONS AVAILABLE

The Asbestos Factbook (2nd Edition)—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 flanges fittings and other areas—$1.00 per set.

Manual of Unit Prices (for figuring pipe covering and blocks)—30c per copy postpaid.

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

Chart—Dollars Cost of Uninsulated Pipe. Reprinted from Page 27, February 1944 "ASBESTOS". 20c each

Asbestos: The Magic Mineral, by Lillian 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.



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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ACL Doc 12342 · Page 33 of 45 asbestosclaims.law/library/12342/33

NEWS OF THE INDUSTRY

BIRTHDAYS

P. O. Baker, Sales Representative, General Asbestos & Rubber Div., Providence, R. I., April 18.

Lorne Bain, President, Atlas Asbestos Co., Ltd., Montreal, P. Q., Canada, April 19.

A. D. Simpson, General Manager, Asbestos Erectors, Bound Brook, N. J., April 19.

George A. MacLellan, Managing Director, George MacLellan & Co., Glasgow, Scotland, April 19.

Frank T. Hearst, Manager, Kelley Asbestos Products Co., Kansas City, Mo., April 20.

H. H. Robertson, President, H. H. Robertson Co., Pittsburgh, Pa., April 21.

J. Carroll Johnston, President & Treasurer, Atlas Asbestos Co., North Wales, Pa., April 28.

Clare S. Jamar, Vice President, Walker-Jamar Co., Duluth, Minn., April 29.

Donald H. Spicer, General Manager and Director, World Bestos Corp., Paterson, N. J., April 30.

Merlin W. Simon, Secretary, Sprinkmann Sons Corp., Milwaukee, Wis., April 30.

Richard H. Jaffer, President, York Insulation Inc., Hillside, N. J., May 1.

George S. Fabel, President, Southern Asbestos Co., Charlotte, N. C., May 7.

L. L. Cohen, Chairman, Union Asbestos & Rubber Co., Cicero, Ill., May 7.

H. Whittaker, Director, Cape Asbestos Company, Ltd., London, E. C. I, May 14.

A. M. Ehret, Sr., Chairman, Ehret Magnesia Mfg. Company, Valley Forge, Pa., May 15.

Sumner Simpson, President, Raybestos-Manhattan, Inc., Bridgeport, Conn., May 17.

Congratulations to all these gentlemen on the occasion of their birthdays.

BRAKE SERVICE, published at 31 N. Summit St., Akron, Ohio, contains in its March 1944 issue "The Story of Southern Friction Materials Co." The magazine plans to publish a series of "brief business biographies." If the others are as interesting as this first one, the series will be well worthwhile.

Asbestos Magazine, 1944, April 1944
ACL Doc 12342 · Page 34 of 45
Published by AsbestosClaims.Law
asbestosclaims.law/library/12342/34

• 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

Asbestos Magazine, 1944, April 1944
ACL Doc 12342 · Page 35 of 45
Published by AsbestosClaims.Law
asbestosclaims.law/library/12342/35

RAYBESTOS TWO-DAY SALES CONFERENCE

Keen enthusiasm over the record of the past year and high confidence in the months ahead, marked the recent two-day sales conference of eastern and southeastern Raybestos representatives held at Stratford, Conn., recently.

Keynoted by the theme, "This is America—This is Raybestos, Today and Tomorrow," the salesmen were presented with a comprehensive and far-seeing program, embracing both products and promotion.

Robert B. Davis, General Manager, in opening the conference, cited impressive facts and figures of Raybestos achievements on the war and civilian fronts, and gave a detailed pic-



Raybestos Salesmen on steps of the Administration Building at Stratford, Conn.

ture of Raybestos' plans for expansion and development in many markets, old and new. Mr. Davis stressed that Raybestos post war planning is being translated into action now and that Raybestos was in the enviable position of being able to convert almost overnight.

The two day session included a tour thru the factory, inspecting a large quantity of new equipment, and was concluded by the annual banquet, with entertainment furnished by Raybestos employees who have participated in many benefit shows.

Similar conferences of Raybestos salesmen were held in Chicago and Los Angeles.

BUY WAR BONDS AND STAMPS

Asbestos Magazine, 1944, April 1944
ACL Doc 12342 · Page 36 of 45
Published by AsbestosClaims.Law
asbestosclaims.law/library/12342/36

LOUIS C. RUGEN DIES

Louis C. Rugen, of Plainfield, N. J., vice president in charge of manufacturing and a director of The Ruberoid Co., died on March 17th, at the home of his son, Richard L. Rugen, at Ferguson, Mo., where he had been visiting. He was 64 years old.

Mr. Rugen had been associated with The Ruberoid Co. for 40 years. A native of Brooklyn, he received his early industrial training with the American Engine Co. and the General Electric Co. and was first employed by The Ruberoid Co. as a supervisor of engineering and plant construction work. In 1919 he became superintendent of the original Ruberoid plant at South Bound Brook, N. J., and during the next several years also directed operations of a large plant built that year at Joliet, Ill.

In 1933 he was appointed general manager of manufacturing in Ruberoid plants thruout the country, and in the same year was elected a director and vice president of the company.

During Mr. Rugen's association with the company, the number of Ruberoid plants increased from one to eleven and the number of factory employees from 250 to more than 3,000.

. . . —

Invest in a Free Future—BUY WAR BONDS.

MANHATTAN RUBBER'S VICTORY GARDENS

Manhattan Victory Gardens, the 400 garden project, that won the highest award of the National Victory Garden Institute, is now underway for the 1944 season. Chairman of the Victory Garden Committee, James J. DeMario, Advertising Manager of Manhattan, says that gardeners are already at work, clearing away old vegetable waste and preparing for fertilizing. The land for the 10½ acre project is leased by the Company and fertilizer, water supply, tools with an attendant and a parking lot are also supplied.

The gardeners work the plots at all hours, usually going there immediately after coming off different shifts. From the first the idea met with enthusiastic cooperation on the part of employees, and has resulted in offsetting greatly the shortage of fresh vegetables.

. . . —

Keep sowing the seeds of Victory in more industry sponsored **VICTORY GARDENS.**

Asbestos Magazine, 1944, April 1944 Published by AsbestosClaims.Law
ACL Doc 12342 · Page 37 of 45 asbestosclaims.law/library/12342/37

CAREY ELECTS OFFICERS AND DIRECTORS

The Philip Carey Manufacturing Company held its annual meeting of stockholders on March 27th, at which the following were elected Directors for the ensuing year: H. R. Barrett, H. E. Coombe, George D. Crabbs, E. W. Edwards, Ben L. Heidingsfeld, Robert S. King, George A. Rentschler, Walter L. Steffens, Laurence E. Whitaker.

At the organization meeting of the new Board of Directors the following officers were elected for the ensuing year:

George D. Crabbs, Honorary Chairman of the Board
Robert S. King, President
Wm. J. Moeller, Vice President
L. E. Whitaker, Vice President
C. A. Blinn, Vice President
W. L. Steffens, Vice President
H. R. Barrett, Controller-Vice President
W. C. Ignatius, Secretary-Treasurer
S. E. Breuleux, Assistant Treasurer

THE PHILIP CAREY MANUFACTURING COMPANY in its annual report for the year ended December 31, 1943, shows a net profit of $765,902, compared with $717,331 in 1942.

Sales for 1943 amounted to $28,956,035 compared with $26,043,707 in 1942.

Current assets at December 31, 1943 were in the amount of $9,711,818; against Current Liabilities of $2,485,499, or a ratio of 3.90 to 1.

Profit and Loss Statement follows:

Gross Sales, less outward freight, disc., returns and allowances	$	28,956,035
Operating costs and expenses, including depreciation, depletion, etc.		27,373,200
Operating Profit		1,582,835
Other income, including disc., interest, div., rents, royalties, etc.		163,357
		1,746,192
Other charges, including interest		108,590
Profit before estimated taxes		1,637,602
Deduct provision for taxes		871,700
Net Profit for Year	$	765,902

Net increase in Working Capital during the year 1943 was in the amount of $330,471.00.

The Company employed thruout the year an average of 4369 people as compared with the average for 1942 of 4104 people; 573 employees of the Company were in the armed services at December 31, 1943.

Asbestos Magazine, 1944, April 1944
ACL Doc 12342 · Page 38 of 45
Published by AsbestosClaims.Law
asbestosclaims.law/library/12342/38

UNISEAL - A NEW J-M PRODUCT

Johns-Manville announces the addition of Uniseal, an all-purpose sealing compound, to its line of plastic sealing compounds. It will be available to Johns-Manville distributors as well as to general industrial accounts.

Like their other sealing compounds—Duxseal, Pakseal, Tranoseal and Nodrseal—Uniseal contains a high percentage of asbestos.

Under laboratory tests and field conditions Uniseal has proved especially effective as a seal against weather and water absorption. Also it is highly resistant to vapors, fumes and to heat-hardening.

For convenience in handling and marketing, it will be packed in one and five pound pugs, in cartons of sixty and twelve respectively.

RAYBESTOS-MANHATTAN, INC. Annual report for year ending December 31, 1943 has just been published and the following tabulations show the detailed figures of profit and loss statement for that year compared with 1942:

	1943	1942
Net sales	$58,862,856.85	$49,286,818.94
Less discs. & allowances	1,727,766.59	1,420,130.92
Income from sales	57,135,090.26	47,866,688.02
Manufacturing cost	41,616,367.19	33,558,484.99
Gross profit	15,518,723.07	14,308,203.03
Selling, Adm. expense and general expenses	5,918,718.05	5,597,506.68
Profit from operations	9,600,005.02	8,710,696.35
Other income—int., disc., div., etc.	322,255.14	332,998.13
Income before income taxes & contingencies	9,922,260.16	9,043,694.48
Provision for taxes, contingencies, etc.	8,271,100.00	7,421,610.00
Net income transferred to surplus	1,651,160.16	1,622,084.48
Surplus January 1	9,558,617.47	9,192,702.42
	11,209,777.63	10,814,786.90
Less dividends paid	1,334,673.97	1,256,169.43
Surplus, December 31st	$ 9,875,103.66	$ 9,558,617.47

Dividends for the year amounted to $2.00 per share.

Current assets in 1943 were $19,809,505.14; current liabilities were $7,224,035.73.

The printed report contains list of officers and directors, letter to the stockholders by the President, Sumner Simpson, complete list of products made by the Company, balance sheet and other information of interest.

BUY WAR BONDS AND STAMPS

Asbestos Magazine, 1944, April 1944 Published by AsbestosClaims.Law
ACL Doc 12342 · Page 39 of 45 asbestosclaims.law/library/12342/39

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.

Wallboard. 2,344,600. Granted on March 21, 1944, to W. **Codwise Kenmore, N. Y.** Assignor to Certainteed Products Corporation, New York. Application March 6, 1941. Serial No. 381,981. Not asbestos.

Apparatus for Extrusion of Plastic Material in Tubular Form. No. 2,344,959. Granted on March 28, 1944 to Steven B. Avery, Philadelphia. Assignor to The Ruberoid Company, New York City. Application August 26, 1941. Serial No. 408,325.

A die for extrusion of pipe from plastic cementitious material, comprising a nozzle thru which the material is extruded and a core within the nozzle, said core having an annular groove on its outer surface, which groove is adapted to be filled with a portion of the cementitious material that hardens therein to provide a frictional drag for effecting a balance in the rate of extrusion and the material passing thru the die.

Building Construction. No. 2,345,018. Granted on March 28, 1944 to Walter Dorwin Teague, Annandale, N. J., and Raymond R. Spilman, Bronxville, N. Y., said Spilman assignor to said Teague. Application October 13, 1941.

As an article of manufacture a panel for a pre-fabricated building having in the edges thereof a plurality of spaced, preformed recesses, fastening members mounted in the panel and having threaded ends terminating within side recesses and protected by the walls thereof.

Method of Preparing Insulating Material. No. 2,345,878. Granted on April 4, 1944 to Lewis B. Miller, Ambler, Pa., assignor to Keasbey & Mattison Company, Ambler. Application March 25, 1943. Serial No. 264,257.

The process of producing molded insulation comprising forming a mixture in water of particles of raw, moldable heat insulating material, adding to said water mix a small amount of soluble soap in the order of 1% or less of the weight of solids in the total mixture of raw materials, adding a setting agent to the mixture to give a resultant insoluble soap, introducing the wet mixture of said ingredients into a mold and molding said mixture into desired form with said insoluble soap on the particles of insulating material in the mixture so as to reduce the drying shrinkage and the density of the molded composition as a whole.

Asbestos Magazine, 1944, April 1944 Published by AsbestosClaims.Law
ACL Doc 12342 · Page 40 of 45 asbestosclaims.law/library/12342/40

THIS and THAT

The 32nd Annual Meeting of the Chamber of Commerce of the United States will be held at the Waldorf-Astoria Hotel, New York City, May 3rd to 5th. The nation's foremost leaders from business, government and the military have been invited to help National Chamber delegates plan for the future. The three-day program will be dedicated to the war, the transition period and the postwar.

—:—

During 1943 the Red Cross packed approximately 7,000,000 packages for American and United Nations prisoners of war overseas.

. . . —

Minerals Yearbook, 1941, by the U. S. Bureau of Mines, is now available at a price of $2.25 from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. (See page 23 re: the Asbestos Chapter).

. . . —

Why not distribute the Asbestos Factbook (price 10c per copy) at your sales meetings or other meetings of employees or officials! Your orders can be promptly filled.

. . . —

Can any of our readers tell us the name and address of the manufacturer of an asbestos glove with air hose attachment? Name of the inquirer will be sent promptly to the manufacturer interested.

—:—

Article on Cold Molding by S. Pellerano which appeared in the October 1939 number of Modern Plastics and was mentioned in our July 1941 number, Page 4, and referred to in our February 1944 number, Page 42, is now available in reprint form, without charge. If interested ask us for a copy.

. . . —

General Electric stockholders increased by nearly 8,000 during the past year, reaching the alltime high of 230,910 on March 10, record date of the April dividend. The number has doubled since 1930. Every state in the Union is represented by stockholders, 44½ per cent of which are women.

Asbestos Magazine, 1944, April 1944
ACL Doc 12342 · Page 41 of 45
Published by AsbestosClaims.Law
asbestosclaims.law/library/12342/41

CURRENT RANGE OF PRICE

As of April 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.)

		March 1944		
	Par	Low	High	Last
Armstrong Cork Co. (Com.)	np	36¾	39⅜	37⅜
Asbestos Corp. (Com.)	np	21	21⅞	21¾
Celotex (Com.)	np	11	12¼	11⅞
Celotex (Pfd.)	20	17	18	17¾
Certainteed (Com.)	1	5⅛	6	5¼
Certainteed (Pfd.)	100	60½	65⅜	62
Flintkote (Com.)	np	20⅛	23⅞	22⅞
Flintkote (Pfd.)	np	105	110	107
Johns-Manville (Com.)	np	87⅞	96	90½
Johns-Manville (Pfd.)	100	121 5/16	121½	121½
Raybestos-Manhattan (Com.)	np	28¼	31½	29¼
Ruberoid (Com.)	np	28⅜	30¼	29⅛
Thermoid (Com.)	1	7⅝	8¼	7⅞
Thermoid (Pfd.)	10	45	47¼	47⅛
U. S. Gypsum (Com.)	20	70	75	72½
U. S. Gypsum (Pfd.)	100	175	181	178
U. S. Rubber (Com.)	10	42⅛	48¾	45⅞
U. S. Rubber (Pfd.)	100	134½	138¾	136½

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ACL Doc 12342 · Page 42 of 45 asbestosclaims.law/library/12342/42

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