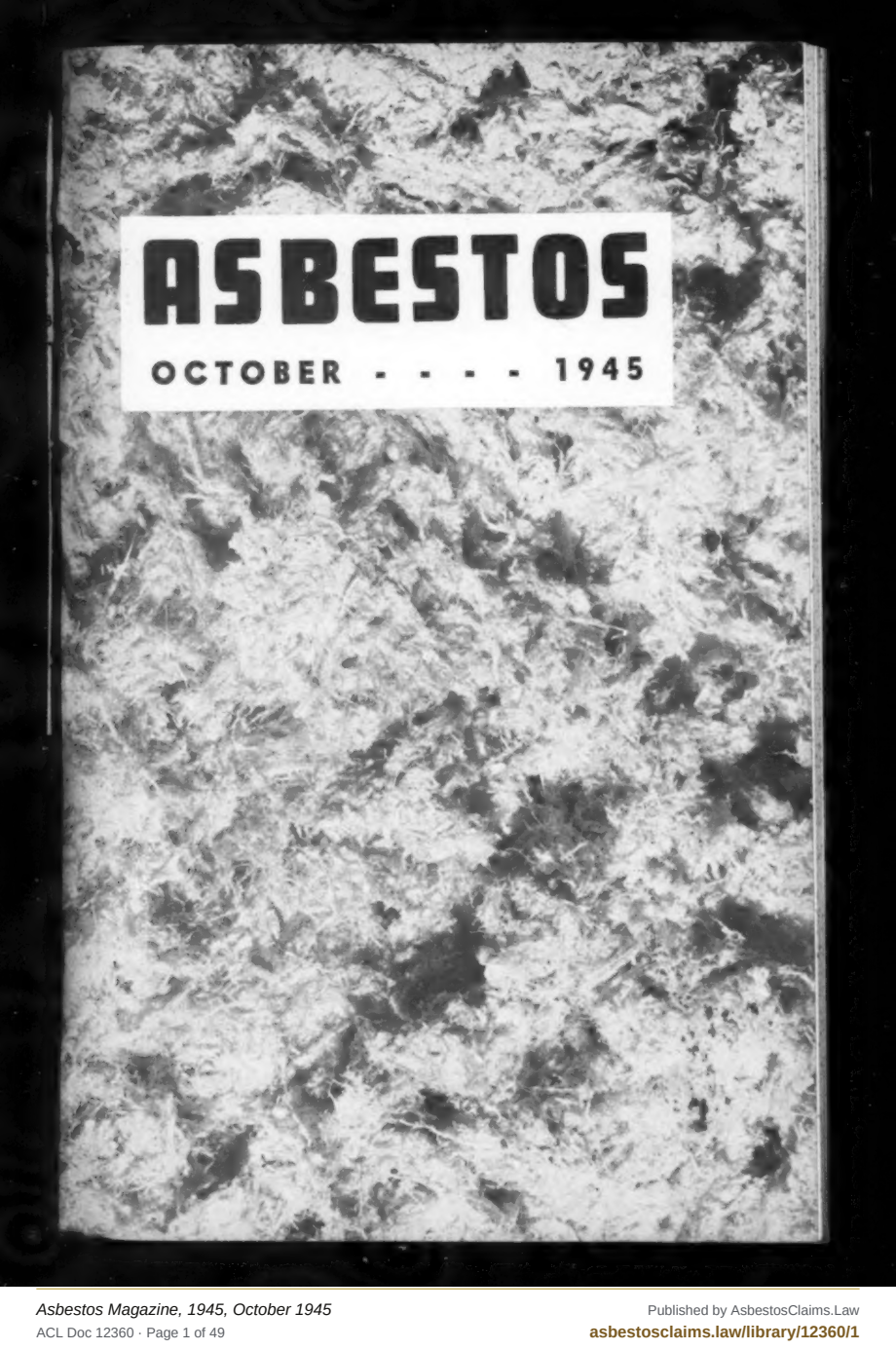
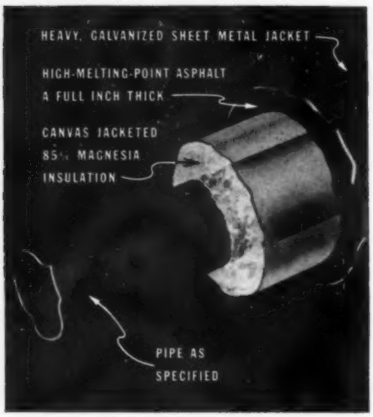


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Sectional view of Durant Insulated Pipe, showing construction features. Pipe, insulation and protection are factory-fabricated into units.



EHRET'S D.I.P.

. . . SETS STANDARDS FOR UNDERGROUND INSULATED PIPING

Ehret's Durant Insulated Pipe combines the high insulating efficiency of 85% Magnesia and the time-defying characteristics of imperishable asphalt. Added to this advantage is factory-fabricated construction which makes field installation both rapid and economical.

Send for the special Ehret booklet on D. I. P. It contains full details on this modern system for underground insulated piping.

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, 10, PENNSYLVANIA

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

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

Volume 27 OCTOBER 1945 Number 4

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J. C. KELLEHER

John C. Kelleher, author of the article "Milling Asbestos", the first part of which was published in our September number, is Manager of Asbestos Fibre Distributors, Division of Johns-Manville Sales Corporation.

Mr. Kelleher has been associated with Johns-Manville for twenty-seven years, during all of which time he has had the opportunity to study and learn about asbestos and asbestos products from both the manufacturing and sales viewpoints, and to specialize in the technology and uses of asbestos fibre.



J. C. Kelleher

Returning to civilian life after serving overseas as a Navy engineering officer in World War I, Mr. Kelleher was employed in 1919 at J-M's Manville, N. J., factory, where he had previously worked during school vacations. After holding various supervisory positions at Manville, he transferred in 1924 to Asbestos, P. Q. Canada, to help supervise the construction of a factory there. In 1925 he returned to Manville and became superintendent of the Automotive Department.

Since 1930, Mr. Kelleher has been located in the company's main office in New York. After serving as assistant to the vice president in charge of mining and manufacturing, he was promoted in 1938 to his present position as staff manager of Asbestos Fibre Distributors, with responsibility for the wholesale distribution of raw asbestos fibre. He is today a recognized authority on asbestos and is intensely interested in the technical phases of fibre use.

Born in New York City, Mr. Kelleher in his early years intended to become a dentist and did take up that study. He became acquainted, however, with the late W. R. Seigle, former Chairman of the Board of Johns-Manville, and upon Mr. Seigle's advice attended Pratt Institute studying mechanical engineering. By so narrow a

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margin did the Asbestos Industry acquire an expert on asbestos fibres and their uses.

The Asbestos Industry owes Mr. Kelleher a debt of gratitude for this article on Milling Asbestos, which is to be reprinted and will be available after January 1st as a valuable addition to Asbestos literature.

MILLING ASBESTOS

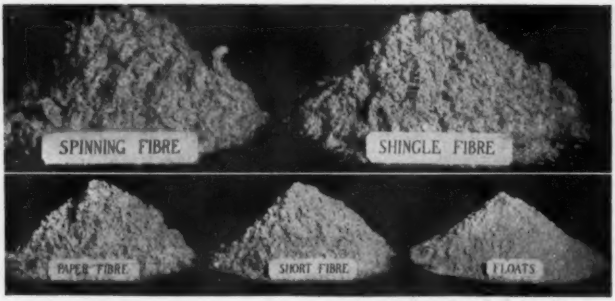
Part II — Cleaning and Grading

No discussion of milling asbestos should omit mention of the disposition of the vast volume of fines, i. e., extremely fine, short fibres and pulverized rock created in the treatment of the ore. The many millions of cubic feet of air being handled hourly by the air collecting system, are heavily laden with fines. This must be deposited without being ejected to the atmosphere, to the detriment of the surrounding community. This objective is accomplished by discharging the fan exhausts into a vast room or chamber known as a float shed. In this space the velocity of the air is dissipated and the fine material settles out. The bin, or shed, is divided into a number of compartments at varying distances from the air inlet. Each compartment collects floats of different ranges of particle size. Asbestos floats, as sold, are a product of one or more of the float bins. The finest particles are prevented from passing out to the atmosphere by such methods as electric precipitation or passage thru canvas filtering bags.

We have considered the removal of fibre from the ore and explained that the suction fans discharged the fibre to collectors for each fibre length grade; it is now necessary to clean, grade, and bag the fibre for shipment.

The fibre collector, a large sheet metal conical cylinder, performs the first step in the cleaning operation. The current of air which carries the fibre and rock dust to the collector, deposits the heavier fibre and carries the dust laden air to the float shed described above. Further cleaning consists of screening the opened fibre over light

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Courtesy Canadian J-M Co. Ltd.

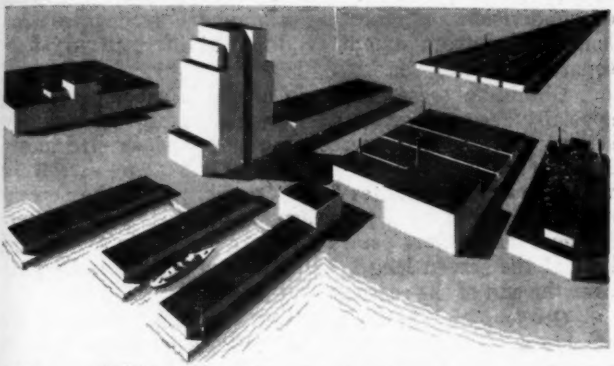
Typical samples of milled fibres in major group gradings.

screens. Here dust and rock falls thru the screen meshes and the fibre is discharged off the end of the screen by suction. Well opened fibre does not screen readily; that is, it tends to cling together, permitting the use of coarse screens which drop out the rock without loss of fibre. Several repetitions of the screening operation may be performed to obtain proper cleaning. A final cleaning operation consists of dropping fibre thru a cyclone or air selector, similar in design to a fibre collector, the heavier rock and unopened fibre falling vertically thru and the lighter fibre being drawn off the side of the collector by suction and again deposited in collectors.

The sequence of the various cleaning operations, screening and air selection, and their tie in with the collecting and grading operations, vary in different mills and even within a given mill depending on the type and grade of fibre being produced. We have merely described the steps of cleaning as tho they occurred progressively, as well they might, in a simple mill layout.

Grading fibre means classifying it according to length. The value of a given type of fibre depends chiefly on its length. There are five major classifications according to length, namely, and in descending order of length they are: Spinning or Group 3, Shingle or Group 4, Paper or Group 5, Stucco-plaster or Group 6, and

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These "*Flat Tops*" are winning the war that never ends!

Carey BUILT-UP ROOFS have piled up an impressive 50-year record in winning the never-ending war against weather and costs. Many applied more than 30 years ago are still going strong with a minimum of maintenance. This record is evidence of the low-cost, long-life performance delivered by Carey roofs—asphalt, asbestos, or coal tar pitch type—on all kinds of deck construction.

Nationwide organization of Carey-pproved Roofing Contractors and Carey vice Representatives assures proper appli-...tion.

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Asphalt Shingles and Roofings • Built-up Roofing • Roof Coatings and Cements
Asphalt Tile Flooring • Pipeline Felt • Expansion Joint • Asbestos Wall Board
Corrugated Asbestos Roofing and Siding • Miami-Carey Bathroom Cabinets and Accessories

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Shorts or Group 7. In each Group are a number of grades or subdivisions, all meeting a standard screen test for length. An average mill produces at least twenty-four separate grades.

Obtaining these grades in a mill is accomplished in specially designed graders. They are usually long rotary screens covered with screen wire of various size mesh. Fibre is fed into one end of the slowly turning screen, in which revolving paddles force the fibre thru the screen openings. Short fibres pass thru the fine mesh at the entering end, longer fibre passes thru larger mesh in the second half of the screen length, and the longest materials pass over the end of the screens.

Grades are obtained by experienced operators by combining proper proportions of material from two or more of the various screen sizes. Several grades may be made at the same time on one grader by directing the flow of varying proportions of the different length products of the grader into appropriate collectors.

Careful grading calls for close cooperation between the operating men and the testing men or inspectors, since, depending on the results of frequent tests, the flow of material from the graders can be adjusted to avoid off-grade fibre.

Graded fibre is conveyed to bins above the bagging room from which it passes by gravity thru metal chutes to bagging machines. These machines may be semi-automatic or manually operated. They load the fibre into burlap or jute bags of one hundred pounds net weight, compressing the fibre to reduce the bulk in shipping. All bags are sewn by hand or with portable stitchers before being loaded into freight cars or sent to stock. Fibre bags all carry the grade designation and the wording:—"Product of Canada."

Many special grades are made by variations in the regular mill flow line. Large quantities of short fibres are produced by special grinding, screening, and cleaning of the fine undersize products of many of the screening operations. Highly cleaned grades of longer fibres are produced by repeated passages thru series of air select-

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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:

ASBESTOS FIBRE DISTRIBUTORS

Division of Johns-Manville Sales Corp.

22 EAST 40th ST. NEW YORK, N. Y.

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ors, which drop out all heavy particles and remove a major part of the fine dust. When desired, partially opened or Crudy fibres are produced by eliminating the high speed impact fiberizing operations. Where the terms "crudy" and "open" are used in referring to fibre, it can be generally understood that crudy or partially opened fibre is a product of crushing, whereas open fibre is the result of a fiberizing operation.

Asbestos fibre is unique in that it has no definite fibre diameter like hair or cotton. It can be subdivided indefinitely within the limits of the ordinary microscope. Fibres one-eightieth the thickness of a human hair have been measured. Thus, each fibre is in reality a bundle of finer fibres. An opening process is one which tends to subdivide the fibre bundles. Fibre is spoken of as "Crudy" when the fibre bundles are coarse, or relatively thick, and as "Open" when the fibres are finely divided.

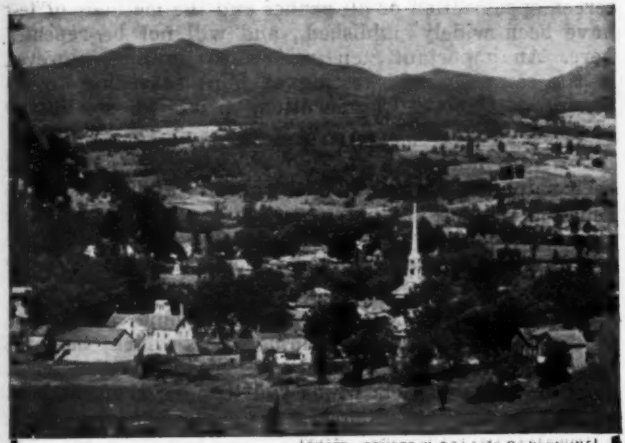
Highly opened fibres are obtained for special requirements by adding an extra step of fiberization in specially designed hammer mills.

Blending, or mixing, permits the production of fibres not obtainable in regular mill operations. By this method definite proportions of coarse or fine fibre, short or medium lengths, can be obtained and such features as filtration rate, wet volume, covering capacity, adhesion, absorption, etc., can be controlled.

While crude fibres, that is No. 1 and 2 Crudes, are not products of the milling process as are the milled fibres in Groups 3 to 7, they are the form in which fibre is generally pictured. Crudes are chunks of fibre which have been separated from the rock or ore, and have considerable fibre length. No. 1 Crude runs from ¾ inches and up, and No. 2 includes fibres from ⅜ to ¾ inches. Shorter Crudes are classified as No. 3 or Sundry. The Crude fibre is cobbed or chipped from the broken ore in the quarry, cleaned and graded in the cobbing shed and weighed and bagged for shipment.

Asbestos is evaluated and sold by grades, as established by the Quebec Government and classified in the Standard Quebec Asbestos Classification. The detailed

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(PHOTO—COURTESY OF STATE OF VERMONT)

Vermont for picturesque villages and... *Asbestos*

● A white church steeple, small cottages and red barns, the village schoolhouse—all nestled in a green valley . . . that is Vermont.

Vermont also makes an outstanding contribution to modern industry by providing asbestos fibers from the largest operating asbestos mine in the United States.

VERMONT ASBESTOS MINES
Division of

The RUBEROID Co.

Hyde Park, Vt. ● *Mines at Eden & Lowell*

Sales Office: 500 Fifth Ave., New York 18

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screen specification of all grades and the methods of test have been widely published[1], and will not be repeated here. An important step in Asbestos milling, however, is the sampling and testing of fibre according to the Standard Quebec Classification, prior to storing or shipping.

Before fibre bags are closed, composite samples of each shipment are taken by inspectors and tested. The usual method of sampling is to take a "grab" sample from well down in each bag. The samples from each ten or twenty bags are combined to make a test lot. These tests represent a fair average of each car.

The fibre is well mixed, and one pound is screened in the standard testing machine. Lots which meet the test requirements are tagged and sewed for transfer to stock or to cars. Lots which fail to pass, are sent back to the mill for regrading. In the case of special grades prepared by additional operations of mixing or extra fiberizing or cleaning, special tests are often made to check them against a particular requirement.

Editor's Note: In the third and last chapter of the article "Milling Asbestos" (to be published in November) Mr. Kelleher gives an idea of the equipment of an asbestos mill, and discusses briefly the specific purposes for which various grades of asbestos fibres are suitable.

[1] See reprint "Canadian Chrysotile Asbestos Classification" obtainable from "ASBESTOS", 17th Fl., Inquirer Bldg., Philadelphia, 30, Pa., for 25c.

. . . —

We can use articles, either technical or otherwise, on various phases of the Asbestos Industry, including stories of asbestos products which have withstood severe conditions, or have given unique or extraordinary service when in use. Wrtie us for our rates of payment, or send in articles for our reading.

. . . —

The Victory Loan begins October 29th. They did their part. Let's do ours.

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Manufacturers of a complete line

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

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

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

KEASBEY & MATTISON COMPANY, AMBLER, PENNA.

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CENSUS OF MANUFACTURES

Before the war the Census of Manufactures was taken every other year—covering the odd years. Undoubtedly all business found the compilations helpful; they have been used constantly by the Asbestos Industry, and are still referred to from time to time.

The Bureau of Census had hoped to resume this Census for 1945, but found that impossible under the manpower shortage. Now they are planning for a 1946 Census to be taken in 1947.

However, the cost of the Census program (including a complete Census of Business) would run to substantial figures, and there is some question as to whether Congress will authorize the expenditure.

It might not do any harm to contact your Congressman, and suggest that they urge the taking of this Business Census. The last Census of Manufactures taken covered 1939.

CORRUGATED GOES TO COLLEGE

Mention has been made in previous issues of instances where asbestos-cement corrugated sheets are used for decorative purposes;—interior panels, exterior trim for various small buildings.

The larger part of asbestos cement corrugated production, of course, is usually applied to roofs or sides of industrial or farm structures.

Recently, however, a college in Black Mountain, N. C. modernly designed by A. Lawrence Kocher, used outer walls of corrugated, with continuous steel-sash windows of the projecting type.

We are not certain whether the use of Corrugated asbestos-cement was because of its ease of application, and comparative inexpensiveness, or whether its use was considered from an esthetic standpoint.

Be that as it may, judging from photographs in the June 1945 issue of Architectural Forum, the resulting effect is distinctly pleasing to the eye.

Black Mountain College, is set in the foothills of the

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UNION ASBESTOS
MEANS PROGRESS IN INSULATION
AND RUBBER CO.

INSULATION
FOR MARINE, RAILROAD,
AVIATION AND INDUSTRIAL USE

☆



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

Offices: CHICAGO, NEW YORK, SAN FRANCISCO • Plants: CICERO, ILL., BLUE ISLAND, ILL., PATERSON, N. J.

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Great Craggy Mountains near Asheville, N. C. It was built by teachers and students working in alternative groups so that their work program might not be too much interrupted.

The finished building harmonizes beautifully with its natural surroundings.

TEXTILE FIBERS

The American Society for Testing Materials, has recently published the Edgar Marburg Lecture on "Textile Fibers, An Engineering Approach to Their Properties and Utilization" by Harold De Witt Smith.

Those connected with the manufacture of asbestos textiles will undoubtedly find this extremely interesting It is, of course, technical in character, but very readable; contains various tables, graphs, photo-micrographs, etc. It mentions asbestos frequently. Copies can be obtained from A. S. T. M. Headquarters, 260 S. Broad St., Philadelphia, 2, Pa., at $1.00 per copy.

ASBESTOS IN TRACTOR TIRE REPAIRS

In repairing the large tractor tires with deep treads, it is common practice, we understand, to fill in the space between the bars on the outside of the tire with plaster of paris to give better pressure when repairing the tire.

A firm in the west, making such repairs, however, has found that asbestos serves better than plaster of paris.

In using asbestos, a finely ground asbestos is utilized, this is being dampened with water until it makes a mass that is easily packed. Then the spaces between the bars on the outside of the tire are filled in with this dampened asbestos until a solid bracing has been formed. This affords plenty of pressure and therefore a better repair job can be made. The advantage of the asbestos over the plaster of paris is that it can be used over and over again; plaster of paris must be thrown out after once used.

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PLANT

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AT LAST!—THE OUTSIDE DIAMETER OF EACH SIZE OF PIPE COVERING IS MADE TO FIT EXACTLY INSIDE ANOTHER STANDARD PIPE COVERING SIZE!

It's another great "First" by PLANT, the pioneer of light-density type *Precision Molded* 85% Magnesia! Write for valuable "Digest Of Simplified Thickness Standards"!

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REPORT ON MOUNTAIN LEATHER

A report on laboratory tests made on Mountain Leather, which has just reached us, gives some interesting if rather discouraging information.

The Laboratory making the tests was interested in a purely general way; the results, however, were disappointing; in fact they tell us that their efforts failed to disclose any "interesting or valuable workable properties."

To quote them further: "The Bureau of Mines Circular IC 7313[1], on Paligorskite—A Possible Asbestos Substitute, presumably covers all information that could be developed by the work it mentions. That circular's suggestion that the material probably could be 'readily converted to pulp from which form innumerable, lightweight, acid and fireproof products could be formed', prompted us to try to make a pulp of it, with utter failure to effect any separation of the fibrous structure. In our opinion mountain leather has no value for any industrial application in view at this time."

Probably other laboratories have been working with mountain leather—if so advise us of results, however meager; a full discussion of this rather intriguing material would be interesting.

[1] Obtainable from Bureau of Mines, Washington, 25, D. C., by request on business letterhead.

. . . —

The U. S. Bureau of Mines has resumed publication of its Mineral Trade Notes, beginning with the July 1945 number. An item appears in that number concerning the production of asbestos in Ethiopia.

Mining Engineer and Geologist Thomas G. Murdock, of the FEA at Addis Ababa states that a prospector who worked in the producing locality told him that 20 tons of asbestos were produced during the Italian regime, but no breakdown as to years or estimate as to value appears practical.

POSITION WANTED

As estimator and salesman of pipe and boiler insulation, well qualified and experienced. Address Box No. 10L-C "ASBESTOS", 17th Fl., Inquirer Bldg., Phila., 30, Pa.

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ASBESTOS

ASBESTOS CORPORATION LIMITED

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TORONTO, ONT.: .....CANADIAN ASBESTOS ONTARIO LTD.
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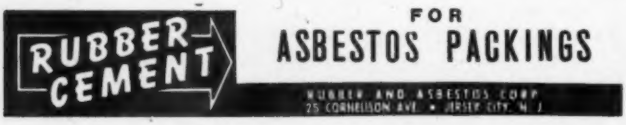
ASBESTOS TEXTILE ALLOCATIONS

The Cork, Asbestos & Fibrous Glass Division of the War Production Board issued under date of August 22nd, figures showing allocations of Asbestos Textile materials, and the various end uses to which such allocations were made, in 1944, and also in the first and second quarters of 1945. These figures are given below:

All figures in Pounds.

	Year 1944				
	1st Qr.	2nd Qr.	3rd Qr.	4th Qr.	Total
Mech. Pkgs. and Gaskets	2,162,827	2,154,274	2,220,565	2,319,992	8,857,658
Safety Clothing	573,227	408,464	396,799	455,152	1,633,642
Friction Materials	3,586,504	3,246,156	3,337,303	3,330,633	13,500,596
Shipbuilding	1,573,910	1,549,768	1,545,487	1,510,999	6,180,164
Electric Cable	3,937,426	4,261,348	5,069,620	4,685,620	17,954,014
Aircraft	276,585	208,637	156,068	172,761	814,051
Steam Hose and Fire Resistant Hose	96,612	110,201	133,491	154,987	495,291
Laminated Plastics	210,415	158,892	98,893	96,840	565,040
Electrical Equipment (N & M)	836,669	804,981	210,507	255,707	2,107,864
Maintenance and Repair (except elect.)	494,089	490,168	507,930	433,007	1,925,794
Flexible Metal Tubing	103,594	120,789	74,295	46,285	344,963
Export	2,352	1,970	740	1,789	6,851
Misc. Products	575,421	733,622	725,822	734,013	2,768,878
	14,229,631	14,249,270	14,477,520	14,198,385	57,154,806

	1945		
	1st Qr.	2nd Qr.	Total for 1st 6 mos. of 1945
Mech. Pkgs. and Gaskets	2,394,363	2,505,570	4,899,933
Safety Clothing	594,841	438,652	1,033,493
Friction Materials	3,549,350	3,396,520	6,945,870
Shipbuilding	1,652,576	1,681,080	3,333,656
Electric Cable	1,339,598	1,311,302	2,650,900
Aircraft	171,711	252,776	424,487
Steam Hose & Fire Resistant Hose	176,868	90,100	266,968
Laminated Plastics	237,620	449,171	686,791
Electrical Equipment (N & M)	177,895	286,171	464,066
Maintenance & Repair (except elect.)	585,382	743,394	1,328,776
Flexible Metal Tubing	26,315	40,850	67,165
Export	6,062	493	6,555
Misc. Products	723,083	826,884	1,549,967
	11,635,664	12,022,963	23,658,627



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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.

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MARKET CONDITIONS

GENERAL BUSINESS

Business is finding reconversion to peacetime pursuits a real chore, but is for the most part, going at the task with vigor and verve, and there is no doubt but that the many perplexing problems will be solved eventually. In the meantime large quantities of war products, or we should say, products made in wartime with wartime materials, are being dumped on the markets, in an effort to dispose of them before the better made products, are ready for distribution.

Many restrictions have been lifted by various agencies of the Government and this is helping immensely.

Strikes are one of the most worrisome factors at present. Public sentiment is decidedly against strike movements, and there is question as to whether the Unions are not going too far for their own good.

ASBESTOS-RAW MATERIAL

Now that the war is over, it is to be expected that the market for asbestos crudes and spinning fibres will definitely fall off, and there will be an abundant supply of those grades from Canada. Some of this may be taken by European factories as soon as those factories have been put back into operation.

Shingle fibres will be in great demand for the next several years, for several reasons: increase in construction activity and the use of all kinds of asbestos building materials in the construction program, especially in residential building. There is in fact likely to be a serious shortage of shingle fibres as the result of the revival of manufacture of asbestos cement products in Europe and the establishment of new plants for their manufacture in a number of other foreign countries.

ASBESTOS - MANUFACTURED GOODS

Asbestos Textiles. While cancellations have been fairly general on Navy cloth and special textiles for the aviation industry, most asbestos textile plants have been and are very busy catching up with demands for asbestos tex-

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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.
293 Winchmore Hill Road
London, N. 21, England

CHICAGO 4, ILL. ..... GRANT WILSON, INC.
141 West Jackson Boulevard

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

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

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UP—FROM W

"Australian Blue" Asbestos comes to Ame

Deep in the rain-starved Great Plateau area of Australia lie quantities of fine high-grade Blue Asbestos. 200 miles of arid desert challenge its transportation to the sea . . . 200 miles of sand and heat, to test the mettle of men who mine this precious mineral. When trucks are no longer available, trusty camels — "ships of the desert" — are called into service, carrying water and food into the mines — returning to the sea with valuable cargoes of Asbestos. Then begins the long voyage of 12,000 miles to America, where this fine



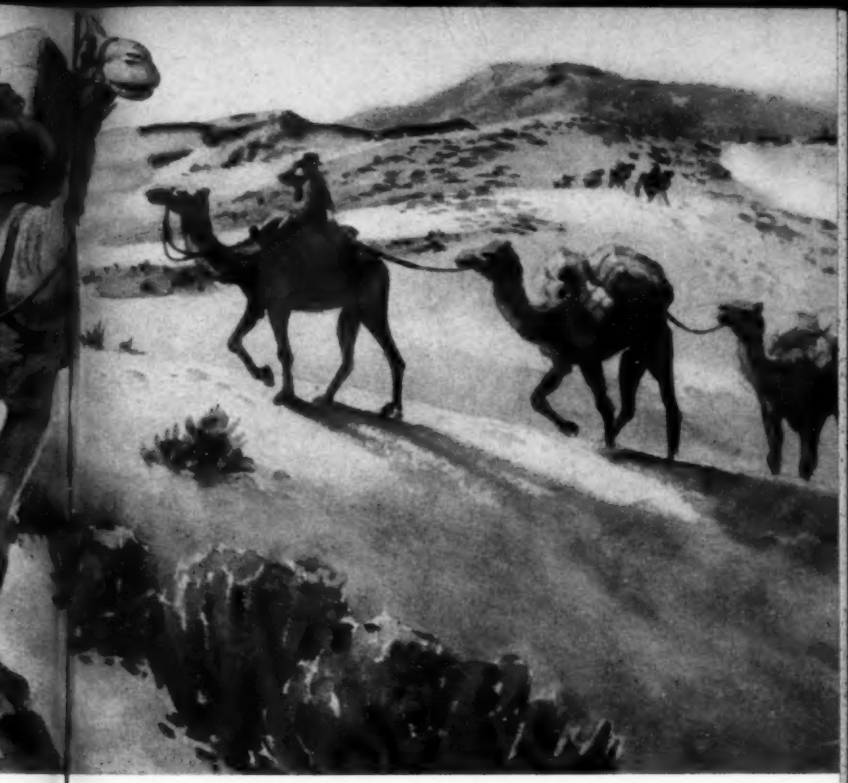
ASBESTOS

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

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

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

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OM WN UNDER

o Ame — *from below the Tropic of Capricorn*

"Australian Blue" is used in a large measure in war production.

★ ★ ★ ★ ★

In spite of the tremendous hardships and problems of transportation vital raw Asbestos is brought to America by Asbestos Limited Inc., the only company in America that specializes in the supply of raw Asbestos from every known source . . . to provide the right type of Asbestos for every specific need—for American industry and Victory!

If you are manufacturing for war purposes, possibly we can assist you to conserve asbestos...and to obtain better results. Your inquiries will receive our prompt attention.

TRADE MARK REGISTERED

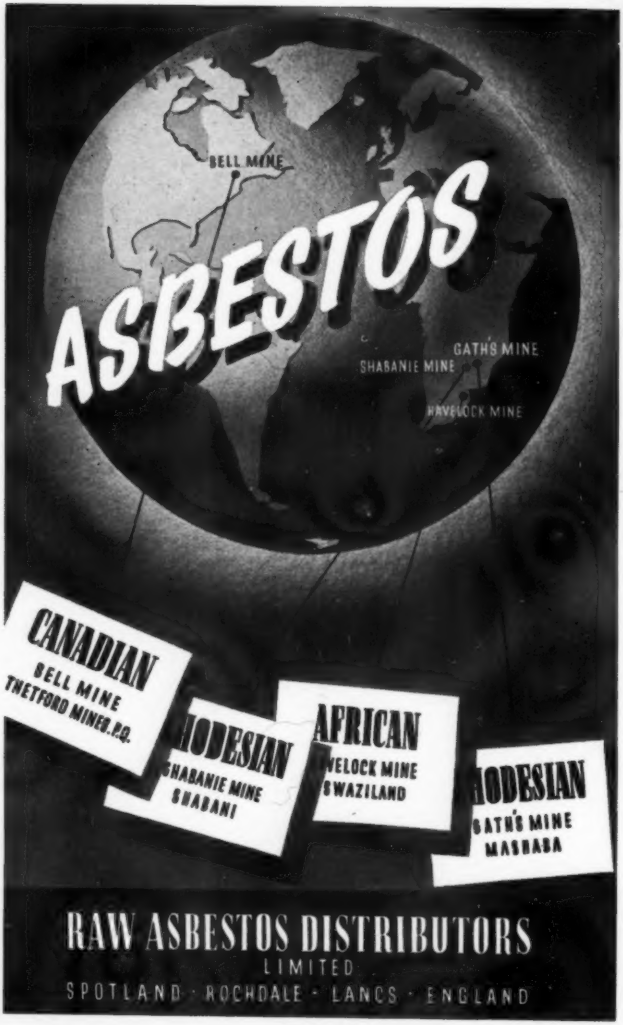
TOS ITED INC.

NNESE SOUTH AFRICA . . . WORKS: MILLINGTON, NEW JERSEY

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

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

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tile materials that could not be supplied while government pressure was on.

Labor is still difficult to secure. New uses for asbestos textiles that have been developed during the war and will be developed thru the various research departments, should give the Industry a large postwar market.

Brake Lining. Not only were the August sales the lowest since February 1943 but the total for the year to date is less than that for the corresponding period last year. Sales for domestic consumption also declined for both periods under review.

Exports, while showing a lower return when compared with last August and July 1945, recorded an increase for the first eight months of this year over last.

Asbestos Paper. Reports on this asbestos commodity indicate steady volume, firm prices and expectation of increased demand within the next few months.

Asbestos Millboard. Manufacturers report declining volume in the Millboard market with no present indication of increase. Prices are said to be firm.

High Pressure Insulation. This market is reported as decreasing somewhat, but with the backlog of business on hand sufficient to keep factories well scheduled for some time. Prices are firm.

Low Pressure Insulation. Increasing volume is reported; explained as seasonal—jobbers are buying at present.

Asbestos-Cement Products. Demand has increased in this market all along the line.

In shingles and siding demand is expected to exceed industry capacity for many months, a year or two probably. Failure of labor to return to work in shingle plants is resulting in an increase in the backlog of orders. New construction already beginning will impose large demands on top of an already oversold condition.

There is no apparent letup in the demand for both corrugated and flat asbestos sheets.

In the pipe field the outlook parallels that of all in-

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dustrial and municipal products, altho the manpower situation is retarding production.

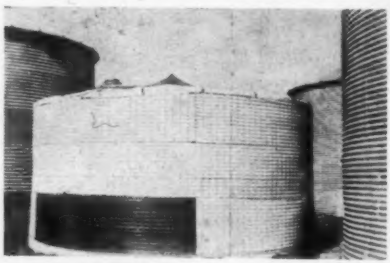
The above opinions and comments are sent us by men closely in touch with the various asbestos markets. Opinions are always welcome.

ASBESTOS LINED BIN

An experiment is being terminated at Hutchinson, Kans., that, if successful, will open up an entirely new use for asbestos. That use is for the construction of grain storage bins.

Because of the war the material usually used for construction of grain storage bins is unavailable, so it was necessary to use materials which are obtainable and will produce a bin capable of storing grain and preserving it.

The experimental bin, as built at Hutchinson, measures 16 feet in diameter and stands eight feet high. The



The Storage Bin with the Asbestos Lining

materials used in its construction are wire fencing and asbestos faced asphalt roofing.

A fifty foot length of welded wire fencing, made of 12 guage wire and with meshes measuring 2x4 inches, was fastened together (in a rather unique manner) by screwing in a half inch wire spiral. The fifty foot of wire fencing with ends fastened together made a circular affair with a diameter of about 16 feet. The projecting wires (1" in length) along the one edge of the fencing were used to fasten the circle of wire in the ground.

The circle of wire fencing was next lined with the asphalt roofing, the asbestos face to the outside as it was

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NORRISTOWN'S

50 YEARS'

MANUFACTURING EXPERIENCE

IS YOUR PROTECTION

•

ASBESTOS

PAPER MILLBOARD

PIPE COVERING SPECIALTIES

•

NORRISTOWN

MAGNESIA & ASBESTOS COMPANY

NORRISTOWN PENNSYLVANIA

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believed that, being white, the asbestos surface would tend to reflect off the bin the strong sun rays and thus keep the grain cooler and less likely to be infected with insects. Two widths of the asbestos faced roofing were used, 32" width for the sides and 36" width for the roof.

The lining was folded at the bottom of the bin allowing six inches of it to extend over the bottom, or floor, lining. The bin was next filled with grain to within about six inches of the top; then another section of wire fencing was fastened to the top of the first one, more grain was placed in the bin and a third section of the fencing completed the bin to the height and capacity desired. All sections, of course were lined with the asbestos faced roofing.

The roof was made of 1x4" boards laid directly on the grain and covered over with the asbestos surfaced roofing cut in triangular shape so that the pieces would fit together and complete the circular top. There were other details of sealing, etc., which do not especially concern or contain asbestos.

A bin of the size described holds over 1300 bushels of wheat, is easily constructed and will, it is believed, help to solve the problem of grain storage.

THEY SAY!

Asbestos composition applied to jeep headlamps prevents shorting or injury to reflectors by salt water immersion. When the entire vehicle is treated it can be kept workable and running tho covered with water.

• • • —

Tremolite asbestos mined in Alaska is used as a filtering agent for blood plasma.

• • • —

A Philadelphia Department store is advertising "cozy prefabricated summer cottages—can easily be assembled in less than one day". The price is $199.50; size 11½x11½ feet. They contain two windows and glass panel door, strong wood frame and floor. "Sides and roof are of asbestos stonewall board."

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R. J. DORN COMPANY

MANUFACTURERS OF

ASBESTONE

Corrugated Asbestos-Cement Sheets

ASBESTONE JR.

Jr. Weight Corrugated Asbestos-Cement Sheets

ASBESTONE FLAT WALLBOARD

for Siding and Walls — interior and exterior



FACTORY AND SALES OFFICE—5300 TCHOUPITOULAS STREET,
NEW ORLEANS 15, LOUISIANA

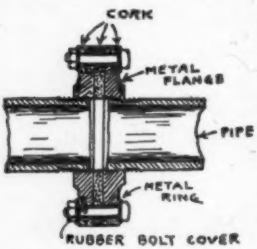
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CONTRACTORS AND DISTRIBUTORS PAGE

MAKING PIPING NOISELESS

Head-splitting noises are often transmitted thru metal piping—water hammer noises, mechanics' blows. vibration noises, hissing sounds, etc.—and yet but little is ever done about it except, once in a while, to cover the piping. That helps, true enough, but the noises are merely wrapped up, not eliminated. Metals and liquids are better transmitters of sounds than are air and other gases.

Why not stop metal pipe noises by inserting isolated joints at occasional intervals? It can be done by the same method that is so successfully employed in isolating machinery vibration. Screwed flanges of ample dimensions can be used with broad and thick cork gaskets. Cork is an execllent material for vibration isolation. The bolts, too, should be cork isolated at each end and should be completely surrounded by isolating material so that there will be no metal-to-metal contact in the joint. Such a joint should prove to be leakless under high pressures and temperatures, and it should effectively stop sound waves thru the metal piping.



Canvas and rubber joints are now successfully used on low pressure ventilating ducts for eliminating metal duct noises. The same method can be used on high pressure piping as well.

BUILDING

Construction volume in the thirty-seven states east of the Rocky Mountains continued to gain moderately in August, it was reported today by F. W. Dodge Corporation.

Contracts awarded last month totaled $263,608,000, a gain of 2 per cent over July, and 35 per cent over August 1944.

The volume of construction of buildings to be used for manufacturing purposes expanded substantially, the August total of $75,456,000 being a gain of 46 per cent over July and 88 per cent over August of last year.

Altho residential building in August declined 8 per cent from July's total, it was 83 per cent higher than in August, 1944. The total amount involved in August residential contracts was $42,711,000.

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NEWS OF THE INDUSTRY

BIRTHDAYS

A. K. Burgstresser, Vice President, Norristown Magnesia & Asbestos Co., Norristown, Pa., October 26.

L. R. Hoff, President, Johns-Manville Sales Corp., New York City, N. Y., October 27.

A. L. Wade, President, Asbestos Insulations, Reg'd, Montreal, P. Q., Canada, October 28.

George L. Abbott, President & General Manager, Garlock Packing Co., Palmyra, N. Y., October 31.

F. E. Byrnes, Asst. to Vice President, The Ruberoid Co., New York City, October 31.

V. A. Spina, Treasurer, Scandinavia Belting Co., Newark, N. J., November 1.

Ernest S. Sprinkmann, President, Sprinkmann Sons Corp., Milwaukee, Wis., November 3.

William P. Barry, General Manager, Smith & Kanzler, Elizabeth, N. J., November 5.

Charles W. Hanslip, Standco Brake Lining Co., Houston, Texas, November 8.

G. M. Righter, Export Manager, Raybestos-Manhattan, Inc., New York City, November 10.

To all of these gentlemen we extend congratulations and best wishes.

CAREY PROMOTIONS

Eric W. Hammarstrom, has been appointed Sales Manager for Philip Carey Co., Limited, with headquarters in Montreal. Mr. Hammarstrom was formerly Assistant to E. W. Smith, Vice President in charge of sales. Before joining the Carey organization he spent a year and a half with the War Production Board in Washington, as Deputy Chief of the Non-Metallic Section of the Building Materials Division. He takes to his new position long experience in the roofing and insulation field. Mr. Hammarstrom was educated in the East, graduating from Columbia University with a degree in Arts and Business, and took additional courses in marketing and business at N. Y. U.

R. W. Galloway, who has been merchandising manager of Dealer Sales at Carey (Lockland) for the past year, has been made assistant to E. W. Smith. Mr. Galloway has been associated with the building materials industry ever since graduating from Lombard College with a degree in Business Administration.

Walter E. Hess, formerly Manager of the Carey Roofing Department, has been promoted to Merchandising Manager of Dealer Sales. He has been with the Carey organization since 1932.

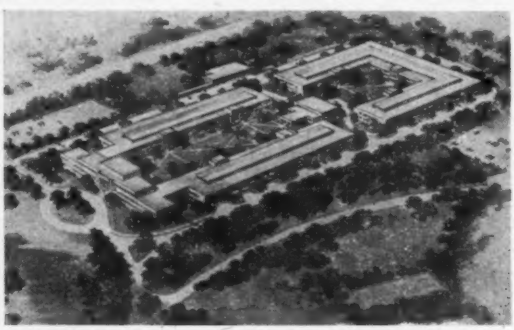
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NEW RESEARCH CENTER PLANNED BY J-M

Plans for a new Research Center in which greatly expanded and accelerated development work will be carried on in the fields of building materials, insulations and other products have been announced by Johns-Manville Corporation.

The first unit of this Center is already under construction; ultimately it is planned to have a group of six buildings—a Research Laboratory and Administration Building, two combination Laboratory-Factory Buildings, a Research Engineering and Machine Shop Building, a Water Filtration and Waste Processing Building, and a Garage and Stores Building. These will be located on a 93-acre plot of land near Bound Brook, N. J., and across the Raritan River from the large Johns-Manville plant at Manville, N. J.

Dr. C. F. Rassweiler, Vice President and Director of Research, in describing the new Research Center, said that the first unit, in addition to research laboratory facilities, will also "provide 10 experimental factories under one roof. Projects initiated in the research laboratory may thus be carried clear



Artist's Drawing of Proposed Research Center

thru their development and pilot-plant production stages. This is expected to speed up the development of new and improved materials for building and for industrial uses, since new products will be more nearly ready for commercial manufacture when they emerge from the Research Center."

The new Center will provide the largest research facilities in the world devoted to building materials and industrial products development. It will greatly augment research activities in Johns-Manville which, coupled with expansion during the ten years prior to the war, have accounted for half of the company's

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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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sales and employment.

Equipped for the most modern application of science to industry, the Johns-Manville Research Center, upon completion within the next few years, will provide for all technical activities, (except engineering) including fundamental scientific research, product development, process improvements involving product quality, pilot plant and semi-works scale experiments, design and initial construction of new product equipment, testing of building materials and industrial products, and a central source of technical information

The design of the first building is unique in industrial research and will be typical of the other buildings which will compose the Johns-Manville Research Center group. The rear wall of this first laboratory-factory building made of asbestos-cement sheets will be removable so as to permit temporary or permanent additions to house extra-long machinery or equipment. Special movable asbestos-cement partitions with enclosed service outlets have been developed to permit enlarging or decreasing the size of the individual laboratory areas as needs require. These movable laboratory walls, while designed for Johns-Manville's own laboratory, introduce a new method of industrial laboratory construction which the company expects to offer as part of its service to other industries.

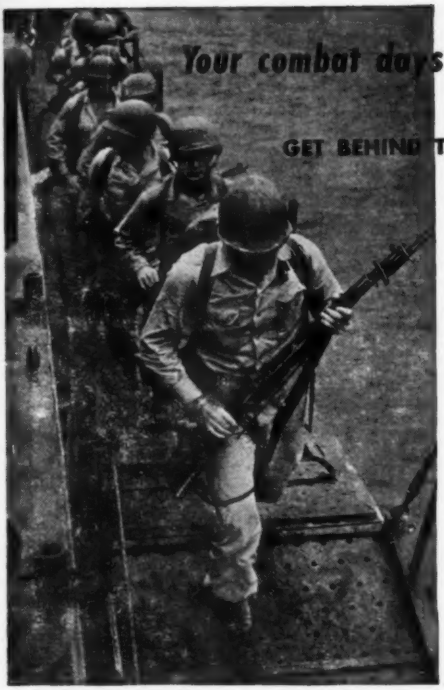
Total projected area to be occupied by the buildings of the Research Center will amount to 337,000 square feet, of which 128,000 square feet will be assigned to working space, offices and public rooms of the laboratories, 114,000 square feet to experimental factories, 17,000 square feet to a research engineering and machine shop, 78,000 square feet for storage including basements and area occupied by air-conditioning and other service equipment.

THE UNITED STATES RUBBER COMPANY, Shelbyville, Tenn., plant has received its fifth Army-Navy "E" award, raising to 35 the total number of awards made to the company for excellence in war production.

THERMOID COMPANY announces the appointment of Walter B. Chick as a District Manager of its Industrial Rubber Products Division in the Northwest Pacific Coast area. His headquarters are at Thermoid's San Francisco Branch Office 895 O'Farrell Street.

Mr. Chick has been a member of the Thermoid organization for over ten years. Before assuming his new duties on August 1 he served as Sales-Service Manager of the company's Automotive Replacement Division for two years. For eight years prior to this, Mr. Chick was San Francisco District Manager of Thermoid's Automotive Replacement Division.

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GET BEHIND THE

VICTORY LOAN!

There's plenty of action ahead for fast-thinking industrial leaders in the new Victory Loan! Your Victory drive is important because:

EVERY VICTORY BOND HELPS to Bring our boys home—and give the best medical care to our wounded heroes!

THE NEW F. D. ROOSEVELT MEMORIAL $200 BOND

Urge employees to buy the new Franklin Delano Roosevelt Memorial Bond through your Payroll Savings Plan! Better than ready cash, Victory Bonds are industry's "Thanks" to our returning heroes!

VICTORY LOAN

START YOUR VICTORY DRIVE TODAY!

Every Victory Bond aids in assuring peacetime prosperity for our veterans, our nation, your employees — and your own industry!

The Treasury Department acknowledges with appreciation the publication of this message by

"ASBESTOS"

17TH FL., INQUIRER BLDG. PHILADELPHIA, 30, PA.

This is an official U. S. Treasury advertisement prepared under the auspices of the Treasury Department and War Advertising Council

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RUBEROID PROMOTIONS

Ray W. Sweeney, formerly district sales manager at Minneapolis, Minn., has been appointed sales manager of the company's entire Western Division, comprising eighteen states in the central, north central, northwestern and southwestern sections of the country.



Ray W. Sweeney

Mr. Sweeney has been associated with The Ruberoid Co. for 15 years and had been district manager at Minneapolis for the past seven years. He has been connected with the building materials industry all his working life, having been first employed by the American Insulation Co., and later by Eternit, Inc., St. Louis, acquired by Ruberoid in 1930. In his new position as sales manager of the Western division, with headquarters in Chicago, he succeeds Louis Herscovitz, recently elected vice-president and general sales manager of the company.

George F. Steinwart, formerly St. Louis district representative. was named to succeed Mr. Sweeney as district sales manager at Minneapolis.

Mr. Steinwart joined Ruberoid in 1936. His previous association with the roofing and building materials industry includes 14 years as sales representative for the Philip Carey Mfg. Company of Cincinnati.

Charles T. Limerick, for the past eight years general superintendent of Vermont Asbestos Mines, has been appointed chief engineer of The Ruberoid Co. with headquarters at the Ruberoid plant at Bound Brook, N. J. In his new position Mr. Limerick



Left—
Charles T. Limerick

Right—
I. Morgan Potter



will be in general charge of plant construction and maintenance and the development of mechanical equipment in all Ruberoid factories thruout the country. He is a graduate of the University of West Virginia and before joining Ruberoid had had wide experience in industrial engineering work.

I. Morgan Potter. formerly chief assistant to Mr. Limerick,

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has been named to succeed him as general superintendent of all of the company's Vermont operations. Mr. Potter, who has been associated with the asbestos mining industry virtually all of his working life, was first employed in 1929 as chief clerk of Vermont Asbestos Corporation, which was acquired by Ruberoid in 1936. Later he became successively, office manager, quarry superintendent, quarry and dryer superintendent and assistant to the general superintendent.

CANADIAN J-M STAFF CHANGES

Important staff changes at the Asbestos, Que.. Canada, Mine of Canadian Johns-Manville Co., Ltd., were announced in September.

George K. Foster has been promoted to Vice President and Manager of Asbestos Mines to replace H. K. Sherry, who has been given an extended leave of absence because of illness. Mr. Sherry will continue as a Vice President of the Company.

Mr. Foster is a native of Columbus, Ohio, and a graduate of the University of Pittsburg in mining engineering. He had experience at mines in Mexico, South America, Russia and Canada before joining the staff of Canadian J-M in 1939 as Mine Consultant. Before his recent promotion Mr. Foster had been Chief Engineer of the Mine Division and supervisor of mine development plans of the underground mine now in process of development at Asbestos.

C. D. Borror, formerly Mine Superintendent, Open Pit operations, has been promoted to Chief Engineer of the Mine Division and will be in charge of all Engineering Design in connection with the Asbestos Mines operations except Mill Development. A graduate of the University of Illinois, Mr. Borror has been associated with Canadian Johns-Manville since 1928.

Harold S. Deeley has been appointed to fill a new post—Assistant to the Mines Manager. Mr. Deeley is a graduate of Queen's University, Kingston, Ontario, and came to the Company in 1925. He has been manager of the Industrial Engineering Department. In his new capacity he will be in charge of Fibre Development. Mill Development and Industries Engineering.

Harry C. Marek, who has been Assistant Mine Superintendent Open Pit, steps up to Mine Superintendent, Open Pit operations. Mr. Marek became connected with the Company in 1923 and is a graduate of the Missouri School of Mines.

THE RAYBESTOS DIVISION of Raybestos-Manhattan, Inc., Bridgeport, Conn., has appointed Keeling & Company, Inc., Indianapolis, Ind.. as its advertising agency.

An extension advertising and merchandising program is planned to begin early in 1946, advertising to be scheduled in leading automotive trade papers, including fleet, bus and industrial publications. A consumer campaign is also being formulated for 1946.

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RAYBESTOS APPOINTMENTS

James L. McGovern, Jr. has recently been appointed to the position of Replacement Sales Manager of The Raybestos Division, at Bridgeport, Conn. Mr. McGovern has been associated with The Raybestos Division for the past twenty-one years as salesman, Eastern Zone Manager and Supervisor of Replacement Field Sales.



Left—
James L. McGovern, Jr.

Right—
Jerome W. Brush, Jr.



Jerome W. Brush, Jr., former manager of the Rubber Products Department, has been elevated to the position of Merchandising Manager.

BRAKE LINING GROUP HOLDS ANNUAL MEETING

The annual meeting of the Brake Lining Manufacturers' Association was held on September 28th in New York City, and the initial plans for active participation in organized accident-prevention campaigns were approved

A feature of the meeting was an address by Norman Damon, Executive Vice President, Automotive Safety Foundation.

Official announcement was made by the Executive Committee of the appointment of T. E. (Ted) Allen as the Director of the B. L. M. A. to head up the activities of the group of twenty-one major companies. Mr. Allen assumes his new duties after having completed 17 years as an executive with the national headquarters of the American Automobile Association at Washington, D. C. In the greater part of that time he served as Executive Secretary of the Contest Board headed by Capt. Eddie Rickenbacker.

At the conclusion of the business session, the following association officers were elected to serve for the ensuing year: President. James S. Doyle of Johns-Manville Corporation; First Vice President, C. Q. Smith of American Brakeblok Division; Second Vice President, W. E. Harvey of Thermoid Company; Treasurer, V. A. Spina of Scandinavia Belting Company; Secretary, Miss H. G. Duschek.

Executive Committee members elected were: H. C. Berkeley

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of Inland Manufacturing Division of General Motors Corporation; J. G. Brown of Grizzly Manufacuring Company; R. B. Davis of the Raybestos Division; F. A. Miller of United States Asbestos Division; and A. P. Smith of Russell Manufacturing Company.

DR. F. C. STANLEY RETIRES

The retirement of Dr. F. C. Stanley, Chief Engineer of The Raybestos Dvision, completes a period of forty years devoted to the creation of Raybestos products. He first became associated with Raybestos in 1905 as a part time chemist, dividing his time with his teaching duties at a local high school. A real pioneer in the friction material field, he was the first to develop asbestos yarn for use in friction fabrics for brake lining, clutch facing, etc.

Born on December 25, 1867, Dr. Stanley attended Williston Academy and graduated from Williams College in 1893. Ten years later he received his Ph.D. degree from Yale University for meritorious work in mineral analysis. From 1895 to 1917 he was a member of the Bridgeport High School faculty where he taught Chemistry, Botany, Latin and Greek.

In 1917 he gave up teaching to become chemical engineer of The Raybestos Division. He was quickly advanced to sales and service engineer and in 1922 was named chief engineer, a position he faithfully fulfilled for twenty-eight years.

For many years he has been an engineering leader in SAE and BLMA and has written many educational articles for automotive magazines. In the past few years his development work made possible Raybestos war products for airplane motors, PT boats, motorcycles and other vehicles of war that were instrumental in accomplishing final victory.

On the eve of his retirement Dr. Stanley was the honored guest at a luncheon tendered to him by more than fifty of his fellow workers.

THERMOID COMPANY recently announced the appointment of *Oscar Nuss* as District Manager of its Industrial Rubber Products Division. Mr. Nuss will serve the Southern California, New Mexico and Arizona areas.

Mr. Nuss joined the Thermoid Company when it acquired the Los Angeles plant of the Grizzly Manufacturing Company in January, 1945. He will make his headquarters at the Thermoid California plant in Los Angeles.

J. E. COLE, who has been serving with the Cork, Asbestos and Fibrous Glass Division of the War Production Board, has returned to Manheim, in the capacity of Sales Manager in the Packing Department of Raybestos-Manhattan, Inc. Mr. Cole prior to his three years of work with the War Production Board was Cleveland District Manager for that Company.

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GENERAL INSULATION COMPANY. The mailing address of this company, is now 195 Albany Street, Cambridge, 39, Mass., according to advice received from Warren N. Bolster, President.

HOMER K. SHERRY. Just as we go to press we learn of the death on September 30 of Homer K. Sherry, Vice President of the Canadian Johns-Manville Company, Ltd., and until recently General Manager of the asbestos mine at Asbestos, Quebec. Mr. Sherry had been ill for some months.

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 issued, name of patentee and name of invention.

Thermal Insulation. No. 2,383,604. Granted on August 28, 1945, to George P. Leistensnider, Somerville, and Harry H. Rinehart, Plainfield, N. J., assignors to Johns-Manville Corp., New York. Application March 5, 1943. Serial No. 478,156.

A process for manufacturing plastic insulation suitable for extrusion molding which comprises thoroly mixing a binder comprising about one part by weight of rubbery polyvinyl resin with approximately ¼-½ part of a flameproofing plasticizer and with a solvent for said resin to produce a fluid cement comprising a colloidal gel-like suspension admixing with the cement approximately 4 parts of mineral wool and amosite asbestos fibres in the proportions of about 2-3.1 by weight and working up the mixtures to an effective uniform coating of the fibres and distribution of the fibres thruout the mixture and agitating the mixture to impart a plastic, puttylike consistency thereto.

Fibro-Cementitious Sheets. No. 2,383,716. Granted on August 28 to James Driscoll, Plainfield, N. J., assignor to Johns-Manville, New York. Application October 30, 1942. Serial No. 463,942.

A method of making flexible sheets adapted for use as packing and the like, comprising forming an intimate mixture of solvent reduced thermoplastic polychloroprene binder and asbestos fibres, sheeting out the mixture while heating it to a temperature not substantially exceeding 200° F., thereby removing the solvent therefrom by volatilization and heat curing the binder by immersing the sheet in a bath of mineral oil for a period of at least 15-30 minutes while maintaining such oil at a temperature of 250-350° F.

Molding Fibro-cement Sheets. No. 2,383,736. Granted on August 28, 1945 to Ernest Wayne Rembert, Hinsdale, Ill., Ernest A. Winter, Copperhill, Tenn., and Walter Reinecker, North Plainfield, N. J., Assignors to Johns-Manville, New York. Application Sept. 11, 1943. Serial No. 502,046.

Apparatus adapted for molding dense and hard asbestos-cement sheets comprising a heavy duty, high speed press hav-

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ing vertically aligned pressure applying platens telescopically fitting inverted mold cavity and upright mold plunger platform elements operationally connected respectively with the upper and lower press platens, means for distributing a mold charge in a layer of pre-determined thickness for the top surface of setting plunger platform, a resilient rubber texture plate forming the base of the mold cavity and shearing knives forming the walls of the mold cavity and arranged in closely confining and tight fitting engagement with the texture plate and platform sides.

FOR SALE

Industrial Insulation business. Established 30 years. Central States Section, 300,000 population. Only two competitors. Retail trade. Approved contractor Johns-Manville. Can be easily handled financially. Wish to retire. Address Box No. 10S-T, "ASBESTOS", 17th Fl., Inquirer Bldg., Phila., 30, Pa.

WANTED

Experienced Estimator on pipe and boiler covering, refrigeration pipe and cold storage plant repairs. Permanent position with excellent future. Write full particulars as to age, education and experience. Address Box No. 10J-S, "ASBESTOS", 17th Fl., Inquirer Bldg., Phila., 30, Pa.

WANTED

Experienced engineer for Asbestos Cement Industry capable of handling men and having knowledge of machine design. An excellent future assured the right man. Write giving full particulars and experience. Address 9A-G, "ASBESTOS", 17th Fl., Inquirer Bldg., Philadelphia 30, Pa.

BOOK LIST

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

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

Canadian Chrysotile Asbestos Classification. (Reprint) 25c per copy.

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

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

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

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

Chart—Dollars Cost of Uninsulated Pipe. (Reprint) 20c each

Asbestos: The Magic Mineral, by Lilian Holmes Strack. Written especially for school children but every Asbestos Library should have a copy. $1.00 per copy.

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

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PRODUCTION STATISTICS

Canada

(From Department of Mines, Province of Quebec)

	1945	1944
July	37,514 tons	31,112 tons

Tons — 2000 lbs.

Africa (S. Rhodesia)

(Statistics by Rhodesia Chamber of Mines)

Rhodesian figures on production of Asbestos were last published for May 1940 (See September 1940 "ASBESTOS", page 35). The Rhodesia Chamber of Mines has now resumed publication of Asbestos figures beginning with those of June 1945, as given below. We are hoping that the intervening figures (from June 1940 up to and including May 1945) will be available soon.

	June 1945			
	Tons (2000) lbs.)	Value £	s	d
Bulawayo District				
Nil Desperandum (African Asb. Mining Co. Ltd.)	476.14	22,178	9	6
Shabanie (Rho. & Gen. Asb. Corp., Ltd.)	3,407.86	106,058	13	0
Victoria District				
Gath's & King (Rho. & Gen. Asb. Corp Ltd.)	800.00	21,654	19	8
	4,684.00	£149,892	2	2

. . . —

Leadership is won by ordinary men, with more than ordinary determination. who keep everlastingly at it.



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

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THIS and THAT

In connection with their advertising of automotive materials, the United States Asbestos Division at Manheim, Pa., has adopted the slogan: "Keep the Home Tires Turning".

• • • —

Property Fire Loss in the United States in 1944 was $437,237,000 compared with $373,000,000 in 1943 and $233,391,000 for the first six months of 1945.

• • • —

MACHINE TOOL GUIDE is another book which will probably be found useful to many of our readers. It gives complete information covering important machine tools, and saves much time otherwise spent in searching thru manufacturers' catalogs. Obtainable thru "ASBESTOS", for $7.50. Contains 780 pages.

• • • —

PLASTICS. The 3rd and uptodate edition of this popular book, by J. H. DuBois, B. S., Executive Engineer, Shaw Insulator Co., has recently been published. The book explains in narrative and interesting form how various common materials and even waste or by-products are put together to form the several plastics now available for use. Those who need basic design information but cannot spend the time required for a detailed study of chemistry or the complex manufacturing problems of the molder or fabricator, will find the book most useful. Contains 447 pages and 52 tables. Durably bound and thoroly indexed. Price $4.00. Obtainable thru "ASBESTOS".

• • • —

They finished their job—
let's finish ours!
Buy Victory Bonds.
The Victory Loan begins
October 29th



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CURRENT RANGE OF PRICE

As of October 10. 1945

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 260.00
Group No. 4 (Shingle Fibre)	62.50 to 90.00
Group No. 5 (Paper Fibre)	44.00 to 53.00
Group No. 6 (Waste, Stucco or Plaster)	33.00 to 35.00
Group No. 7 (Refuse or Shorts)	14.50 to 30.00

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).

	Par	September 1945 Low	High	Last
Armstrong Cork Co. (Com.)	np	52	57	53¾
Asbestos Corp. (Com.)	np	25½	28	27⅛
Celotex (Com.)	np	17⅛	20¼	20¼
Celotex (Pfd.)	20	20	21⅞	21½
Certainteed (Com.)	1	12¾	15⅞	15¼
Certainteed (Pfd.)	100	110	184	112
Flintkote (Com.)	np	30⅜	32⅞	32⅞
Flintkote (Pfd)	np	107	110	108¼
Johns-Manville (Com.)	np	128	143	139
Johns-Manville (Pfd.)	100	128	133	131
Raybestos-Manhattan (Com.)	np	37	39⅞	38½
Ruberoid (Com.)	np	40	42½	42
Thermoid (Com.)	1	12⅜	13⅝	13⅜
Thermoid (Pfd.)	50	55½	58¾	55½
U. S. Gypsum (Com.)	20	97	104	103
U. S. Gypsum (Pfd.)	100	189	199	199
U. S. Rubber (Com.)	10	63¾	69⅛	69⅛
U. S. Rubber (Pfd.)	100	160	165	165

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ASBESTOS TEXTILES

BACK ON THE JOB

AS THE VARIOUS PLANTS OF **RAYBESTOS-MANHATTAN, INC.**, SWING INTO PEACE-TIME MANUFACTURING PROGRAMS, THIS SWING-OVER WILL BE MANNED BY HUNDREDS OF OUR VETERANS RETURNING TO THEIR JOBS FOLLOWING A MILITARY LEAVE OF ABSENCE. DURING WAR-TIME YEARS, OUR MANUFACTURING RESOURCES HAVE BACKED THESE VETERANS AND THE NATION'S WAR EFFORT . . . AND NOW THESE VETERANS ARE RETURNING TO HELP US WORK FOR A BETTER PEACE-TIME WORLD.



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

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Uniform in diameter, smooth, and with high tensile strength, Southern Asbestos Cord meets the demands of all industries such as electrical, plain and metallic hose, packing, glass, etc. It is made in various constructions according to service needs.

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LISTING TAPE • YARNS • ROPE • WICK • OIL BURNER WICK

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