ASBESTOS



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ASBESTOS TEXTILE & PACKING DIVISION

MANHEIM, PA. NORTH CHARLESTON, S. C.

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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

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

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STATEMENTS THAT MALIGN ASBESTOS.

One of our subscribers brought to our attention a few days ago an advertisement of an undercoating for automobiles, which gave asbestos a nice slap in the face.

These undercoatings, like roofing paints and cements, mostly use asbestos as a filler, but this particular one contained a most astonishing paragraph, which read:

> **Amazingly long lasting because it has no asbestos fibre to rot or dry out.**

It seemed to be our particular duty to call attention not only to the unfairness of the statement, but to the fact that it was *absolutely untrue*. In fact we wrote the manufacturer, in part, as follows:

> **Asbestos is really a rock; it positively *will not rot;* in fact it has lasted thousands of years in its raw state; there is no more durable material. As to *drying out* that is simply ridiculous - if anything "dries out" in a coating containing asbestos it is not the asbestos but the other ingredients in the coating.**

The result was a graceful apology on the part of the manufacturer and the promise that they would eliminate from their future advertising the "objectionable and untrue matter".

We appreciate any reader bringing to our attention advertising or articles which, consciously or unwittingly, malign asbestos.

SAVING COAL

"The Way to Save Coal is to Burn All the Coal"—was the heading of a recent advertisement.

This may sound like good reasoning but it is misleading and may prove to be incorrect for many users of fuel of any kind; in fact it is possible to burn every atom of a given fuel and yet waste 100% of it.

For instance a boiler may be so thickly coated with scale on the inside and covered with such a thick coating of soot on the outside that heat will not penetrate. Further-

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more. If the steam lines are not properly insulated, if there are a great many steam leaks, if too much air is used in combustion, if the boiler setting leaks, etc., it is very evident that burning all the coal (or oil) is not going to help much. The point is that all factors must be considered—not just the single factor of burning all of the fuel.

When is a boiler clean? That question is commonly asked and isn't always easy to answer. In the power plant of a prominent company the fireman, engineer, general manager and insurance inspector all reported that the boiler were clean—that is, they were considered free from scale. A tube cleaner salesman however persuaded them to try out a tube cleaner and they were amazed to find after using the cleaner, that what they had called a "clean" boiler contained 400 pounds of scale.

Checking possible points of waste every once in a while pays.

CHRYSOTILE VS. CHRYSOLITE — Comment

An interesting comment on our editorial "Chrysotile vs. Chrysolite (October "ASBESTOS", page 2) has been received from J. M. Weaver, Research Engineer, Raybestos-Manhattan, Inc.

Mr. Weaver tells us our former belief, that the two are absolutely different minerals, is correct.

To quote Mr. Weaver: "Chrysolite is just another name for Olivine. Olivine is a non-fibrous mineral, while chrysotile is always fibrous. Olivine, or Chrysolite, varies considerably in composition - from that of Forsterite, which is a magnesium silicate, to that of Fayalite, which is an iron silicate. Chrysotile is a hydrated mineral while Chrysolite is not. Chrysotile derived from Serpentine, which was metamorphosed from Olivine (Chrysolite)".

As authority Mr. Weaver gives any well known book on Mineralogy, particularly the Mineralogy by Edward Henry Kraus, Professor of Mineralogy and Director of the Mineralogical Laboratory at the University of Michigan, and his associate, Walter Reed Hunt, assistant Professor of Mineralogy and Petrography at the same University.

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THE BROADER ASPECT [1]

By Herbert Abraham, President, The Ruberoid Co.

Occasionally, by way of freeing ourselves for a moment from the pressures of our daily business activities, it is interesting, I think, to look beyond the walls of our various plants and offices and to consider the larger aspects of what our industry is accomplishing.

If we in the Asbestos Industry do this, we will see much that should lend added zest to our manifold activities—the zest that comes from realizing not only that this industry has become a highly important factor in our American economy, but that, thru our efforts in many directions we are making outstanding contributions to the safety, comfort and pleasure of life and work in our nation as a whole. The extent and magnitude of these contributions is effectively suggested in the following excerpt from "Asbestos—The Silk of the Mineral Kingdom", a booklet on the general subject of asbestos by a recognized authority, Dr. Oliver Bowles:

"So indispensable has asbestos become", Dr. Bowles says, "that we make almost constant use of it as we go about our daily business or pleasures.

"In the brake linings and clutch facings that make possible the combined speed and safety of the modern automobile, in the fireproof roofs and walls that today protect so many of our homes and factories, in materials that insulate buildings from heat and cold, in the fireproof curtains in theatres, in the projection rooms that safeguard us at the 'movies'—in these and countless other ways, asbestos brings greatly increased safety and comfort.

"Blast furnaces and steel mills, electric power stations and gas plants, railroads, ships, pipe-lines, and factories of almost every description, depend in some degree on asbestos for their operation. From among these few examples alone it will be seen that asbestos is one of the important contributors to the machine age."

Those of us in the Asbestos Industry who are en-

[1] Written especially for "ASBESTOS"

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THIS IS CAREY'S 75TH YEAR

serving home and industry

Since 1873 Carey has been manufacturing products of which asbestos is an integral part.

And Carey research is constantly working to make those products work better and to develop new products which will utilize the outstanding qualities of asbestos.

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Asbestos Fibre and Specialties
Asbestos Flat Sheathing
Asbestos Heat Insulations and Cements
Asbestos Packing • Asbestos Roofing Felts
Asbestos Paper and Millboard
Asbestos Prefabricated Ducts
Asbestos Shingles and Siding
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Cincinnati 15, Ohio

In Canada: **The Philip Carey Co., Ltd., 1557 MacKay Street, Montreal 1, P. Q.**

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gaged in the manufacture of building products should find a special satisfaction in contemplating the past results and future possibilities of our endeavors.

To do this we have only to recall that the three things essential to human existence are food, clothing and shelter. As manufacturers of materials for shelter, we are, therefore, engaged in one of the most imporant and necessary of all industries. Due to increases in population, to rising standards of shelter, and to the necessity for keeping existing buildings in repair, the trend of demand for building materials over the years has been generally upward. The building industry is thus seen to be not only a permanent industry, but one with almost unlimited possibilities for growth.

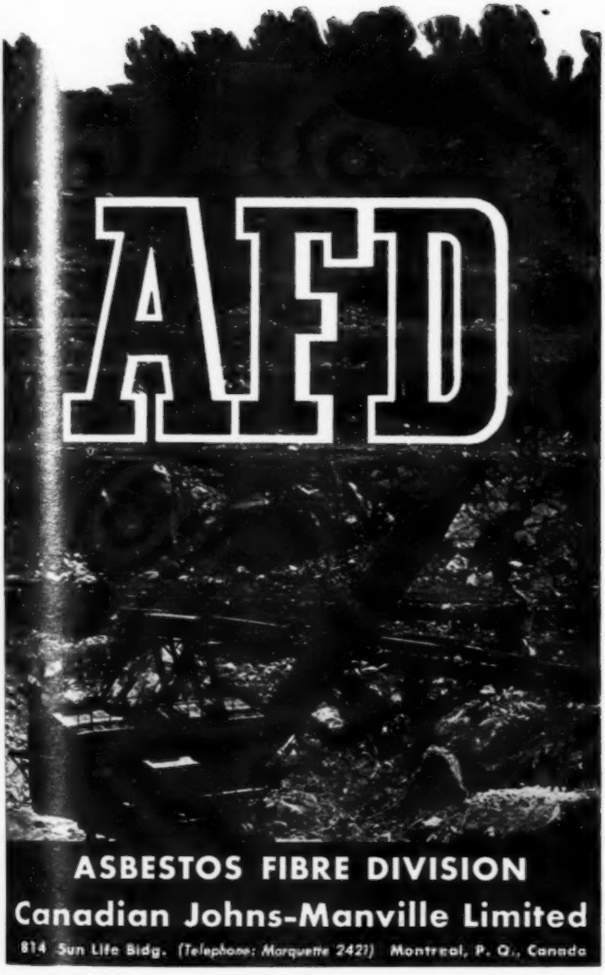
It is noteworthy also that the building industry in all its branches ordinarily provides more employment than almost any other. The volume of building activity at any given time is, therefore, widely regarded as one of the important yardsticks of American prosperity.

Owing to the continued housing shortage, to the great demand for building materials on America's farms, to the need of various industries for buildings to accommodate expanded manufacturing facilities, and to the still huge backlog of repair and modernization work accumulated during the war, the demand for building materials of every kind continues to be at high levels. This is particularly true in the field of residential and farm-building construction, and it is gratifying to note that one of the results has been a rapidly mounting demand for asbestos-cement shingles, sidings and building boards. A retarding factor here has been the fact that, because modern industrial research has discovered so many new uses for asbestos outside of the building field, the production of fibre at the mines has lagged somewhat behind the demand.

What the long-term future may have in store, no one can tell. There are, however, I think, a number of things that we in the Asbestos Industry can do to help insure our continued growth.

One way is to keep telling over and over, in many

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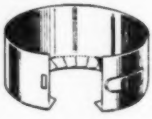
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different ways and to many different sections of the public, the fascinating and useful story of asbestos. For the fact is that, altho much has been done in this direction, the word asbestos still means to many people little more than a fireproof curtain in a theater. In this connection, excellent progress toward interpreting asbestos to the public in terms of its unique advantages for building purposes is being made by manufacturers in the widely varied promotional activities of the Asbestos Cement Products Association.

Another and most important way to assure the continous advancement of our industry is thru the unremitting efforts of industrial research— thru the ceaseless scientific quest for new uses for asbestos, for new asbestos products, and for improved manufacturing equipment and procedures which will increase production and help to reduce consumer costs.

In conclusion, it may be well to bear in mind that, for the time being at any rate, the country appears to have been caught up in an inflationary spiral that is increasing the running expenses of many manufacturing organizations to a point where profitable operation has become an exceedingly complex and difficult problem. In a situation such as this, every thoughtful manufacturer will see a challenge—a challenge to him to do his full part toward getting our national industrial economy back on a more even keel thru larger, more efficient and more economical production.

Royal Pipe Covering Protectors



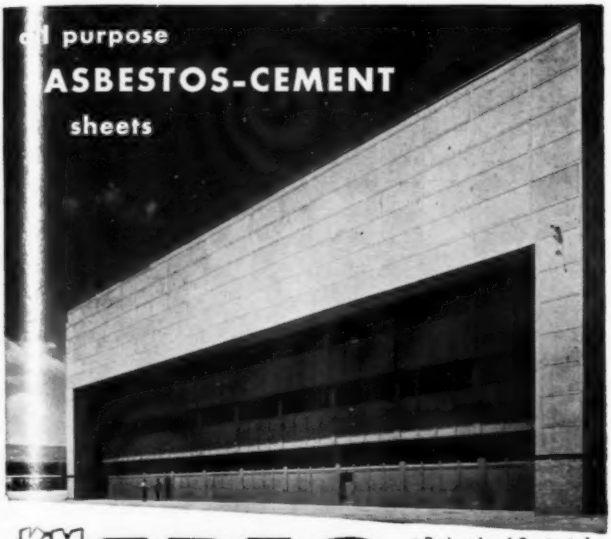
Insure - Permanent - Economical Protection To All Open Ends Of Pipe Covering

SHIPPED FROM STOCK

THE PROTECTOR COMPANY

49 L. STREET SOUTH BOSTON, 27, MASS.

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K&M "Century" APAC

• Designed and Constructed by Austin Company

The front of this huge aircraft assembly plant shows you another example of Apac's adaptability as an exterior sheathing. Durable, weather-and-fire resistant, K&M "Century" Apac can be put to almost unlimited uses.

In addition to "Century" Apac, K&M manufactures a complete line of Asbestos and Magnesia Insulations, Asbestos Textiles, Asbestos Paper, Packings, Sprayed "Limpet" Asbestos, Asbestos Cement Pipe, Corrugated Sheets, Roofing and Siding Shingles.

Nature made Asbestos . . .

Keasbey & Mattison has made it serve mankind since 1873

K&M best in asbestos

KEASBEY & MATTISON COMPANY • AMBLER • PENNSYLVANIA

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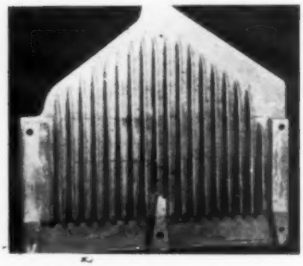
PHOSPHO-ASBESTOS[1]

For Switchgear Equipment

Asbestos in many compounded forms has been used for years in electrical devices, such as Air Circuit Breakers, to deflect or confine the arc when one of these devices interrupts an electrical circuit.

The asbestos materials formerly used have been costly to manufacture, difficult to form into the shapes required for best service, too brittle or too moisture absorbent, for the best efficiency.

In designing the modern types of Air Circuit Breakers, engineers require a material that can be easily machined or molded into the form needed, and yet the material should be strong, shock resistant and not destroyed by the heat and arc products formed as circuit is interrupted.



Inside View of an Arc Chute made of Phospho-Asbestos

Because asbestos was an efficient base material for heat and flame resistance, many formulations of it were tried, along with other materials, but after many tests asbestos compounds gave the best promise.

Phospho-Asbestos was finally developed after numerous trials. This is the material for which the 1948 Edward Longstreth Medal of the Franklin Institute was awarded to Nicholas F. Arone and Edwin H. Brink, as described in our October issue (page 3) and it proved to be an out-

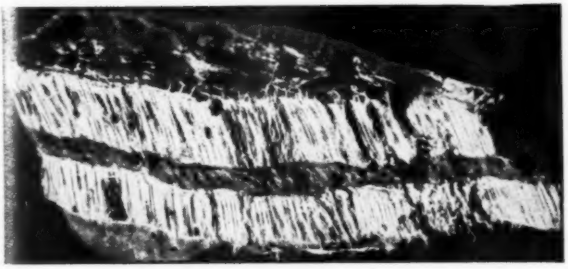
[1]Information in this article was supplied by the Apparatus Department of the General Electric Company.

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Vermont To You!

ASBESTOS



From America's Largest Asbestos Mines

VERMONT ASBESTOS MINES

Division of

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Hyde Park, Vt. Mines at Eden and Lowell

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standing material for arc chutes and barriers for air circuit breakers.

Phospho-Asbestos is an inorganic, thermosetting molded compound consisting of chrysotile asbestos fibre and orthophosphoric acid, molded to the desired shape under heat and pressure. It is a stonelike product, superior to compounds formerly used as to mechanical strength, resistance to moisture, dielectric strength and smoothness of surface.

None of the compounds previously used were suitable for molding intricate parts with thin sections, such as can be produced with hot molded materials of the phenolic resin type. Experience to date indicates that this new compound fills out bosses or other dead-end sections in the mold better than the compounds previously used, and therefore has certain advantages in molding the shapes where an arc and heat-resistant compound is required.

A. S. T. M. REVISES SPECIFICATION FOR ASBESTOS YARNS

Standard Specifications and Methods of Test for Asbestos Yarns, A. S. T. M. designation D 299, adopted in 1942, have recently been revised by Committee D-13 on Textile Materials, and Tentative Specifications, embodying the revisions, have been approved by the Committee and accepted by the Society in accordance with established procedures, for use pending adoption as standard.

The revisions of D 299 were made primarily to provide a new system of yarn numbering which will tell cut, ply and number of wire inserts. For example, No. 521 would mean 5 cut, 2 ply, 1 wire insert yarn; No. 1010 would mean 10 cut, 1 ply (or single) plain yarn.

Copies of the new Tentative Specification D 299-T may be obtained from the American Society for Testing Materials at 1916 Race St., Philadelphia 3, Pa., and any suggestions for revisions should be sent to the Society at that address.

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Unibestos Pipe Covering and Blocks

Amosite Woven Felts

Asbestos Packings and Gaskets

Asbestos Textiles

Processed and crude Amosite Fibres

Insutape spiral pipe insulation

Wovenstone pipe insulation

Insutube and Thermotube pipe and tube insulation

Tailored Insulations for turbines, exhaust manifolds, etc.

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Earlville, Ill., Davidson, N. C., Marshville, N. C.

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BRIEFS

¶ A "packaged chimney" is described in the Architectural Record, (October issue) published at 119 W. 40th St., New York City, as being a light-weight, prefabricated flue. The chimney is supported entirely from the ceiling and roof and is said not to require any brick work. The central flue pipe is a porcelain enameled metal liner. "Long fibre asbestos insulation" is placed between the liner and an outer metal casing.

¶ A dampproofing compound to protect exterior, concrete and masonry surfaces below grade is described in the August issue of Architectural Forum, published in New York City. It is an "emulsion of mastic consistency containing specially refined asphalt reinforced with long-fibered asbestos" and is said to adhere with equal firmness to damp or dry surfaces and to produce an elastic, membrane-like coating that is resistant to penetration of moisture from the soil. It is named Hydrocide 700 and made by Building Products Division, of L. Sonneborn Sons, Inc., 88 Lexington Ave., New York 16, N. Y.

¶ The National Association of Purchasing Agents lists *asbestos* as one of the subjects in its 1948 "How to Buy" competition. All manuscripts must deal with the subject of "How to Buy". Further regulations on the competition will be found in the October issue of "Purchasing". Manuscripts must be in the office of the N. A. P. A. not later than noon on December 1, 1948.

¶ The Reading Terminal in Philadelphia, is undergoing complete renovation and modernization, with escalators being installed to the delight of commuters on the Reading Lines. We notice that a partition between the train shed and adjacent waiting room is of flat asbestos-cement board. This may be permanent or only temporary, but judging by the thickness of the board used, it would appear to be a part of the permanent partition.

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ASBESTOS

ASBESTOS CORPORATION LIMITED

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CHICAGO, ILL.: THE STARKIE COMPANY
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TORONTO 1, ONT.: CANADIAN ASBESTOS ONTARIO LTD.
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JOHNS-MANVILLE'S NEWEST PLANT

For the Making of the Newest Asbestos Product



The J-M Plant at Tilton
Winnepesaukee River in Background

On October 7th, Johns-Manville Corporation opened, with appropriate ceremonies, its new, multi-million dollar plant at Tilton, New Hampshire, for the manufacture of the new, and outstandingly different, asbestos product,—Quinterra Asbestos Paper, for electrical insulation. This remarkable product is manufactured no where else in the world but in Tilton.

Quinterra is blended from asbestos fibre and inorganic clays, is non-inflammable, and its electrical properties remain essentially unaffected by heat even after exposure to high temperatures for long periods of time, according to Johns-Manville research engineers.[1]

The new plant is located on a 200-acre tract on the Winnepesaukee River, and is flanked by the Daniel Webster Highway and the Boston & Maine Railroad. It is the second J-M plant in New Hampshire, the first one being at Nashua, where asbestos-cement board is made.

In searching for a location on which to build a new plant for a new and unique product, there were several

[1]For a further description of this remarkable asbestos material, see page 12 of August 1948 "ASBESTOS".

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physical conditions which had to be met. Briefly these were:

1. A large supply of pure water. To make one pound of Quinterra paper an average of 7500 pounds of water is needed. The location selected had to have a water supply of 5,000 gallons a minute available at all seasons of the year.

2. A dust-free atmosphere. The pure paper needed clean air and clean water.

3. Proximity to Asbestos, P. Q., where the Johns-Manville mine is located—the main source of the company's asbestos fibre used in the manufacture of Quinterra. Also proximity to the users of the finished product, located largely in the northeastern states.

4. Availability of highway and rail transportation.

The new plant contains many novel construction features, and has a number of devices to promote safe, efficient materials handling. There is a barrel lift on the mezzanine floor that lifts heavy barrels and empties them into mixing tanks. There are other lift trucks to pick up big rolls of finished electrical insulations and lift them to temporary storage racks. A proportion pump feeds a washing reagent into turbo mixers, permitting an operator to merely regulate the pump instead of laboriously hand-feeding the mixture thru a hatch. A consistency regulator measures the correct amount of water flow into the beaters so the flow does not have to be hand measured continuously Hydraulic lifts on the paper machine automatically apply pressure on four rolls to lift or lower them as needed instead of using hand jacks. An automatic door lift is motor driven in the plant's shipping well.



G. H. Lowery,
Plant Manager
at Tilton.

The manager of this plant at Tilton is Gilman H. Lowery. He was born at West Somerville, Mass., attended high school at Framingham, Mass., before preparing for

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college at Phillips Exeter Academy. Graduated at Dartmouth College, and did post graduate work in industrial engineering at Massachusetts Institute of Technology in 1935.

Mr. Lowery began his business career as a production engineer with the Warren Telechron Co. (subsidiary of General Electric Company) remaining with that company until the spring of 1937, attaining the position of Production Manager of precision timing instruments. He has had a wide background of experience in responsible positions with Johns-Manville—was Cost Engineer and Chief Cost Engineer from 1938 to 1941; Office Manager of the Zellenople plant from 1941 to 1943; Chief Methods Engineer of the General Engineering Department, with headquarters at the Company's offices in New York, becoming manager of the Tilton plant (then under construction) in February 1947. He says that his most interesting business experience was that obtained while negotiating the purchase of properties for the plant.

CORSICA

U. S. Mineral Trade Notes for March 1948, (but just published) contains further information concerning the asbestos deposit in Corsica. (See page 20 of September 1948 "ASBESTOS" for previous article).

This deposit is owned by Societe Miniere de l'Amiante, of Paris, and is located near the northern point of Corsica. The quarry was opened in 1939, the company having a capital at that time of 30,000,000 francs. At the outbreak of World War II a subsidy was granted by the Government, and operations continued during the war period under the subsidy. In the latter part of 1947, the capital was increased to 130,000,000 francs.

Production in 1947 totalled 600 metric tons. Immediately following the increase in capital, the mine was shut down for the purpose of re-equipping the property for an output of 6,000 metric tons per year, which it is

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SMITH & KANZLER CORPORATION

MANUFACTURERS OF

ASBESTOS PAPER

AND

LOW PRESSURE INSULATIONS

ESTABLISHED 1920

LINDEN, NEW JERSEY

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hoped will be attained by the middle of 1949.

The asbestos produced is described as "short fibre, good grade" and color given as "white" with a bluish tinge. The material is quarried. Reserves are estimated at more than a million tons. Twelve other important deposits are known to exist in the same area, all of them owned by the same company.

ASBESTOS PRODUCTION

V. Russia[1]

According to all accounts asbestos was first discovered in Russia in the Ural Mountains between 1710 and 1720 by Sofron Sogra, a farmer, and mining was begun soon afterwards by Nikita Demidof, one of the founders of a well known family in the district.

During the reign of Peter the Great (1672 to 1725) a factory for the manufacture of asbestos was established. A process of manufacture known as the Nevjansko process was devised and textiles, socks, gloves, handbags, etc., were made for fifty or sixty years. The enterprise failed it is said because of limited demand for the products and lack of transportation facilities. A few samples of these old manufactures now preserved in museums, are the only traces left of this early industry.

Cronstedt, in his "Essay towards a System of Mineralogy" (London 1788) mentions *Siberian* asbestos as the principal and chief of the fibrous kind. He states that the supply was as limited as its uses, which we, who know something of the extent of Russian deposits, regard as a quite interesting statement.

It is at these deposits in the Urals where the greatest activitites, so far as the Soviet Union is concerned, occur today, and where the Soviets have expended much time and effort looking toward the production of asbestos on a vast scale. To this end they employed engineers from Canada who attempted the reorganization of the mining systems and the building of gigantic mills.

[1]Other articles in this series concern Canada, Rhodesia, Union of South Africa, United States, which were published in our July, August, September and October issues, respectively.

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HAIR FELT

FOR

Low Temperature Insulation

Newark Hair Felt Co.

1000 Maple Avenue

Lansdale, Penna.

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The location of these mines and mills are at Asbes , in the Ural Mountains, the nearest large city bein g Sverdlovsk (formerly Ekaterinburg), which is 60 mil s from Asbest and about 950 miles from Moscow. (A revie v of the article "The Russian Asbestos Mines—By a Reade r who Visited Them" may be of interest to our readers. t appears on page 13 of the January 1932 "ASBESTOS")

Recorded figures of production of asbestos in Russ a begin in 1893 and continue with fair accuracy we believ , until 1936. After that they are estimated, approximated o r mere guesses, with no figures at all available from 1939 on.

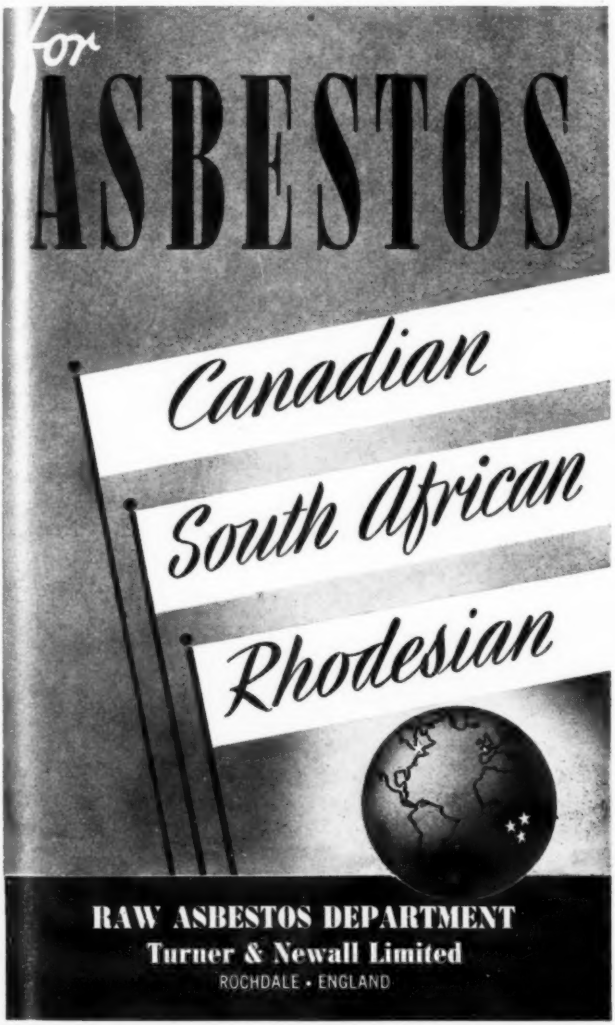
The deposits of asbestos in the U. S. S. R. are vast and undoubtedly production is limited only by capacity of the mills. Of course all the mines are now owned and operated by the state. Figures from 1893 to 1939 follow:

1893	1,167	1916	8,956
1894	614	1917	577
1895	1,138	1918	506
1896	850	1919	4,477
1897	1,127	1920	1,841
1898	1,835	1921	6,875
1899	2,919	1922	5,418
1900	4,238	1923	8,751
1901	4,348	1924	8,743
1902	4,969	1925	12,669
1903	5,839	1926	19,789
1904	8,269	1927	23,699
1905	6,441	1928	27,012
1906	8,703	1929	32,540
1907	10,219	1930	59,616
1908	13,340	1931	71,290
1909	16,449	1932	65,937
1910	13,451	1933	79,035
1911	17,423	1934	101,633
1912	18,463	1935	105,270
1913	19,049	1936	137,917
1914	16,792	1937	125,000
1915	8,956	1938	135,000

1939 to 1947—Not available.

Note: All the information in this article was taken from articles previously published in "ASBESTOS".

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DR. RASSWEILER ON RESEARCH

Dr. C. F. Rassweiler, Johns-Manville Vice President for Research and Development, spoke at the annual industry convention of the Structural Clay Products Institute held at French Lick Springs, Ind., on October 19th.

Excerpts from his address are given below:

One of the first things that organized research always does in a new field is to set up scientific methods for evaluating the service value of the industry's products. If the industry's products are sound, the results of the evaluation become a selling tool for securing wider acceptance of the industry's products in competition with other materials. If the industry's products are unsound, the results focus the attention of the industry or company upon those things which must be done in order to compete successfully with other materials.

• • • —

Another positive benefit of organized research in a new field is almost always an improved standing of the industry with its customers thru its ability to assist them in the more intelligent use of its products by a greater scientific knowledge of how they perform under different conditions. It is hard to estimate how much an active and successful research program raises a company or an industry in the estimation of its customers.

• • • —

One of the invariable contributions of organized research to an established industry whose products have been evolved thru years of trial and error, is a new background of organized knowledge of the factors which contribute to satisfactory performance. With a knowledge of why good and bad results are secured it is possible to work toward product improvements along clearly defined paths.

• • • —

Bringing into an established industry new materials which frequently have a profound effect on the quality of the industry's existing products is another basic effect of organized research. And it also makes possible the development of new products to broaden and diversify the field which the industry can service with its existing plant. This

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CORIELL BUILDING MILLINGTON, N. J.

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WET MACHINE FELTS
FOR
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DRYCOR FELT COMPANY
STAFFORDVILLE, CONN., U. S. A.

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is one of the major ways in which research gives an industry the vitality to meet changing conditions and the more exacting requirements of our constantly progressing industrial civilization.

. . . —

Even tho the initial research work may not be directed toward cost reduction, improvements in operation practices almost always grow out of the critical scrutiny of past practices which accompany the establishment of a new or improved product. Frequently the best way to solve a problem of increasing factory efficiency is to develop a modified product which, by its changed nature, makes possible the substitution of an operating process which is basically simpler.

AUTOMOBILE SALES

	September 1948
Passenger Cars	301,251
Motor Trucks	111,224
Motor Coaches	1,143
	413,618

August total sales were 461,313 (revised); while sales for September 1947 totalled 420,269. Sales for the first nine months of 1948 totalled 3,837,860, compared with 3,497,517 in 1947. These figures cover only cars made in the United States.

The above data is supplied by the Automobile Manufacturers Association, New Center Building, Detroit 2, Mich.

Fine Asbestos Tapes and Sleevings
Light Weight Asbestos Cloth
ATLAS ASBESTOS COMPANY
North Wales • Pennsylvania

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PHILLIPS ASBESTOS MINES

Producers of

CRUDES

and

Fiberized Asbestos

The World's Finest Fibre

DRAWER 71 **GLOBE, ARIZONA**

Mines and Mills in Gila Co., Arizona

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MARKET CONDITIONS

GENERAL BUSINESS

Now that the election is over, altho the result was a complete surprise to everyone, business can go ahead with more assurance, and we hope that in future the administration will be sufficiently consistent in its policies that general business will know to some extent where it stands and what to expect, in order to plan long range activities.

ASBESTOS - RAW MATERIAL

Demand for next year's requirements in practically all grades of Crudes and Fibres far exceeds the Industry's ability to supply.

Costs continue to rise and there is every indication that labor rates will advance substantally. Accordingly the price trend cannot be other than upward.

The present tight supply position will probably continue thru 1949.

ASBESTOS - MANUFACTURED GOODS

Asbestos Textiles. Lack of buying on the part of equipment accounts indicates that future demand will be less than that which is currently being experienced. The backlog at present is substantial. Prices, in the face of continuing high, and in some lines increasing, costs, are firm.

Brake Lining. Replacement sales by Industry are slightly off from 1947 levels, but holding up surprisingly well. There is no expectation of any real decrease during the next six months. Equipment lining sales are considerably up over 1947.

Asbestos Paper. This market is steady with the production being allocated to customers and backlog reported as increasing. Prices are firm, and there is no indication of a decrease in demand for some time.

Saturated paper has slowed up because of the falling off of new construction and a great deal of maintenance work is being postponed until next year.

Asbestos Millboard. Demand for this commodity is

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LIGHT DENSITY TYPE

PABCO

PRECISION MOLDED

85% MAGNESIA INSULATION

"THE DEPENDABLE STANDARD—MODERNIZED"

REG. U. S. PAT. OFF.

U. S. Patents 2,209,752, 2,209,753, 2,209,754

PABCO

THE PARAFFINE COMPANIES, INC.

INSULATION DIVISION

(Formerly Plant Rubber & Asbestos Works)

475 Brannan Street

San Francisco 19, California

ENGINEERING UNITS IN PRINCIPAL CITIES

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reported as moderate with a normal backlog. There is no prospect of demand softening in the near future.

Insulation. High Pressure. All reports received on insulation materials for high pressure work are that demand is continuing heavy with a large backlog and prices firm.

Industrial requirements are such that the outlook is for a continuation of heavy demand for at least the next several months.

Insulation. Low Pressure. This market is steady with a reportedly increasing backlog and firm price trend. Demand is expected to remain fairly strong.

Asbestos-Cement Products. There has been a noticeable slackening in demands for asbestos-cement siding in some sections of the country. Whether this is seasonable or part of a general decline for certain types of materials, remains to be seen. There is still sufficient business, however, to keep the Industry's production facilities going full time even tho the backlogs are substantially smaller than a few months ago.

Corrugated and flat goods are continuing in good demand.

Demand for Pressure and Sewer Pipe for municipal and industrial water and waste disposal systems shows no sign of falling off. There is a seasonal increase on flue pipe.

The above comments are compiled from information coming to us from men in close touch with the several markets. Opinions from all readers are welcome.

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Mines

Thetford Mines, Quebec
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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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COMPUTING LOSS OF HEAD AND VELOCITY OF WATER THRU A PIPE

The flow of water thru a pipe usually decreases in time, because of alteration of surface conditions within the pipe. Crusts sometimes form; rust and dirt adhere. The result is lessened diameter, greater friction, and loss of head.

The internal friction, in other words, increases in varying amounts depending on the quantity and nature of the scale, rust, etc, or whatever happened to the pipe. It also depends on the length of time the pipe has been in service.

To compute the diameter of a pipe of a size sufficient to take care of such losses under average, normal conditions there is a formula which is rather difficult to apply. It is a so-called "empirical" formula, and it has so-called "exponents" that are cumbersome to use. So, the accompanying chart has been plotted, based on that formula. This chart gives the relations between the actual internal diameter of the pipe in inches, and the velocity of flow of the water in feet per second.

For example the dotted line drawn across the chart shows that if the internal diameter is 12 inches, column **A**, and the velocity of the water is 1 ft. per second, column **B**, the loss of heat is 0.5 ft. per 1000 feet of pipe, column **C**.

The chart can be used in three different ways; knowing two of the values in columns **A**, **B** and **C**, the third value is quickly determined by a single straight line.

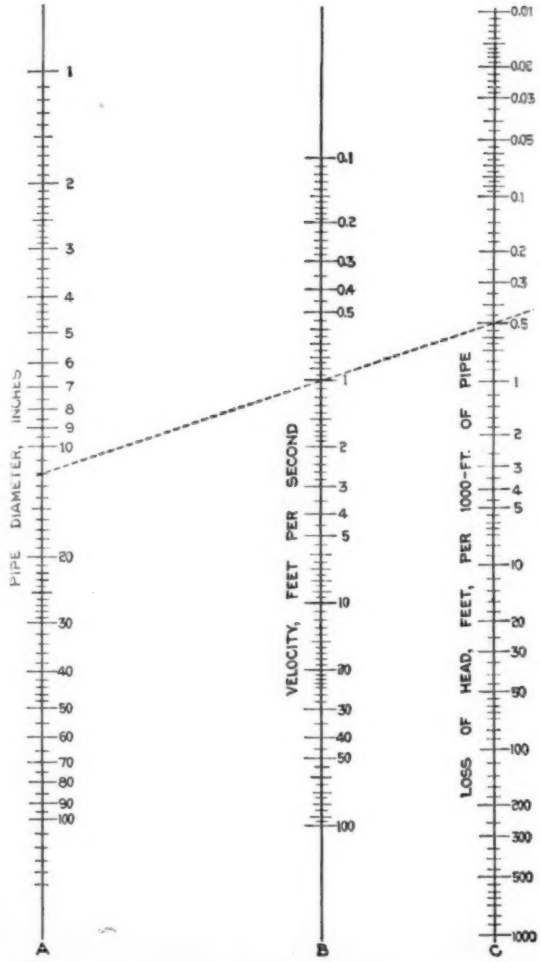
• • • —

The 62nd Annual Convention of the United Roofing Contractors Association will be held January 31, February 1 and 2, 1949, at Dallas, Texas, at the Adolphus Hotel and the Baker Hotel (the two hotels are diagonally across the street from each other). For further information write the U. R. C. A. at 431 Dearborn Street, Chicago, 5, Ill.

• • • —

Every man has a right to his opinion, but no man has a right to be wrong in his facts—*Bernard Baruch*

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PRODUCTION STATISTICS

Canada

(Department of Mines, Province of Quebec)

Production for August 1948	64,186 tons	(2000 lbs.)
Compared with August 1947	52,731 tons	(2000 lbs.)

Africa (Rhodesia)

(Published by Rhodesia Chamber of Mines)

Production for June 1948	6,583.16	(2,000 lbs.)
Valued at	£205 111	

Africa (Swaziland)

Production for June 1948	2,500 tons	(2000 lbs.)
July 1948	2,600 tons	(2000 lbs.)
Aug. 1948	2,600 tons	(2000 lbs.)

Cyprus

From the Mining Journal (published in London) we learn that 7,490 tons of asbestos were mined in Cyprus in 1947 from 696,254 tons of rock. This is probably long tons (2240 lbs.).

CURRENT RANGE OF PRICE

As of November 10, 1948

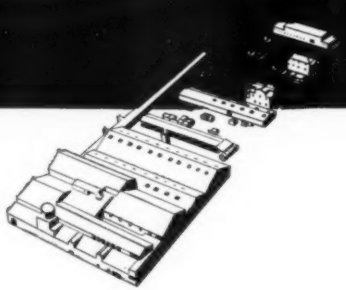
Canadian—	**Per Ton (2000 lbs.) f.o.b. Mine**
Group No. 1 (Crude No. 1)	$896.00 to $960.00
Group No. 2 Crude No. 2; Crude Run-of-Mine and Sundry	350.00 to 545.00
Group No. 3 (Spinning or Textile Fibre)	204.50 to 378.00
Group No. 4 (Shingle Fibre)	84.50 to 128.00
Group No. 5 (Paper Fibre)	69.50 to 78.00
Group No. 6 (Waste, Stucco or Plaster)	47.00 to 51.50
Group No. 7 (Refuse or Shorts)	24.50 to 46.00
Vermont—	
Per Ton of 2000 lbs. f.o.b. Hyde Park or Morrisville, Vt.	
Group No. 4 (Shingle Fibre)	$97.00 to $107.00
Group No. 5 (Paper Fibre)	68.50 to 85.00
Group No 6 (Waste, Stucco or Plaster)	51.00
Group No. 7 (Refuse or Shorts)	25.50 to 46.50

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 material which do not conform to the regular standards of No. 1 Crude or No. 2 Crude

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ASBESTONE
CORPORATION

Manufacturers
Asbestos-Cement
Building Products



FACTORY AND SALES OFFICE
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Imports into U. S. A.

(Figures by Bureau of Census)

Unmanufactured Asbestos—By Countries

	July 1948 Tons (2240 lbs.)
From Canada	37,078
S. Rhodesia	672
U. of South Africa	1,341
Italy	5
Mozambique	200
U. S. S. R.	60
	39,356
Value	*$2,579,056*
By Grades:	
Crude No. 1 (Chrysotile)	
Canada	18
S. Rhodesia	62
Crude No. 2 (Chrysotile)	
Canada	55
S. Rhodesia	453
U. of S. Africa	227
Crude—Other (Chrysotile)	
Canada	9
S. Rhodesia	45
U. of S. Africa	63
Crude—Blue	
U. of S. Africa	169
S. Rhodesia	94
Crude—Amosite	
U. of S. Africa	882
Mozambique	200
Textile Fibres—Chrysotile	
Canada	1,576
S. Rhodesia	18
Italy	5
U. S. S. R.	60
Shingle Fibres—Chrysotile, Canada	4,512
Paper Fibres—Chrysotile, Canada	4,299
Fibres—Short Grades—Chrysotile, Canada	26,609
	39,356

The item of Blue Crude from S. Rhodesia has been questioned.

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ASBESTOS FIBRE SHINGLE GRADES

Immediate delivery.

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Your inquiries are invited.

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Main Office:

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Manufactured Asbestos Goods:	July 1948 Quantity (Lbs.)	Value
Asbestos Yarn		
United Kingdom	20,255	$16,49
Asbestos Packing Fabric		
United Kingdom	2,078	1,20
Asbestos Packing, Not Fabric		
United Kingdom	4,460	2,87
Asbestos Woven Fabrics, Other		
Canada	12	7
United Kingdom	2,127	1,52
Asbestos Brake Lng. (Mld.)		
Canada	90	30
Asbestos Cement Products—Not Impreg.		
Belgium	136,980	3,490
	166,002	$26,135

Exports from U. S. A.
(Figures by Bureau of Census)

Unmanufactured Asbestos:	July 1948 Tons (2240 lbs.)	Value
To Canada	135	$ 4,011
Brazil	80	13,500
Colombia	85	28,767
Uruguay	5	875
Venezuela	112	42,566
Cuba	18	5,500
Canal Zone	9	740
United Kingdom	15	594
Germany	122	31,095
Netherlands	71	10,110
Other Countries	80	12,104
	732	$149,862

Manufactured Asbestos Goods:	July 1948 Quantity	Value
Asbestos Paper, Mlbd., Rlbd.	Lbs. 96,522	$ 9,437
Asbestos Pipe Covg. & Cement	Lbs. 336,809	42,036
Asbestos Textile & Yarn	Lbs. 73,055	49,582
Asbestos Packings	Lbs. 178,566	123,680
Asbestos Brake Lng. (Mld.&S-Mld)	Lbs. 137,772	116,556
Asbestos Brake Lng. (Woven)	L. Ft. 29,992	17,997
Asbestos Clutch Fcgs. (Mld.&S-Mld.)	No. 45,175	26,194
Asbestos Clutch Fcgs. (Woven)	No. 16,469	12,100
Asbestos Brake Blocks (M.&S.Mld.)	Lbs. 28,473	14,606
Asbestos Brake Blocks (Woven)	Lbs. 1,814	1,970
Asbestos Sheets	Lbs. 713,807	69,714
Asbestos Roofing	Sqs. 17,703	135,317
Other Asbestos Manufactures		106,380
		$725,569

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EUROPEAN ASBESTOS

SPINNING, SHINGLE and PAPER FIBRE

also

SHORTS and 8S

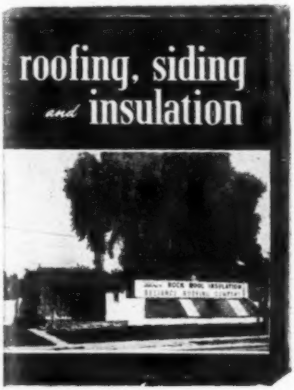
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ALPINE MINING CORPORATION

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Les Amiantes de France
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....SURE WAY....

of selling the nation's roofing, siding and insulation contractors!

CANTOR PUBLISHING CO.

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WAGE RATE CHANGES

The October issue of the Asbestos Worker (published quarterly by the International Association of Heat and Frost Insulators and Asbestos Workers) shows the following changes in wage rates for pipe coverers since those reported in our August 1948 number:

Albuquerque, N. M.	$2.12½
Beaumont, Texas	2.25
Billings, Mont.	2.15
Bremerton (Puget Sound Navy Yd.) Wash.	1.75
Cedar Rapids, Ia.	2.15
Columbia, S. C.	2.00
Des Moines, Ia.	2.15
Duluth, Minn.	1.95
Galveston, Texas	2.25
Houston, Texas	2.25
Jacksonville, Fla.	2.00
Kansas City, Mo.	2.25
Louisville, Ky.	2.25
Minneapolis, Minn.	2.25
Mobile, Ala.	2.12½
Newport News, Va. (Except Navy Yd.)	2.00
New York Naval Shipyard	1.57
Norfolk, Va. (Except Navy Yd.)	2.00
Oklahoma City, Okla.	2.25
Omaha, Nebr.	2.15
Pascagoula, Miss.	2.12½
Port Arthur, Texas	2.25
Portland, Ore.	2.30
Portsmouth, Va. (Except, Navy Yd.)	2.00
Richmond, Va.	2.0
Sacramento, Calif.	2.1
San Francisco, Calif.	2.1
Scranton, Pa.	1.9
Sioux City, Ia.	2.2
Springfield, Mo.	2.0
St. Louis, Mo.	2.5
St. Paul, Minn.	2.2
Tacoma, Wash.	2.1
Tulsa, Okla.	2.2
Washington, D. C.	2.5
Wilkes-Barre, Pa.	1.9
Wood River, Ill. (Oil Refinery only)	1.97
York, Pa.	1.94
Youngstown, Ohio	2.25
Effective Jan. 1, 1949:	
Amarillo, Texas	$2.25
Atlanta, Ga.	2.12½
Birmingham, Ala.	2.05
Borger, Texas	2.25
Charleston, S. C. (Except Navy Yd.)	2.12½
Portland, Ore.	2.37½
Savannah, Ga.	2.12½
Seattle, Wash.	2.29½
Tacoma, Wash.	2.30
Effective May 1, 1949:	
Omaha, Nebr.	2.30

BUILDING

Building and heavy engineering construction is at a level 30% higher than a year ago on the basis of dollar valuation of contract commitments reported for the 37 states east of the Rocky Mountains during the first three quarters of the year, according to F. W. Dodge Corporation.

A summary of building and engineering contracts awarded during the first nine months in the states east of the Rockies showed a total of $7,345,773,000 compared to $5,626,111,000 during the corresponding three quarters of last year.

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Importers, Exporters, Processors of
Asbestos Fibres of All Varieties
of

RAW ASBESTOS

for
Every Use

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CHRYSOTILE
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Large Capacity Fiberizing and
Grading Plant

451 Communipaw Ave. Jersey City, N. J.

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NEWS OF THE INDUSTRY

BIRTHDAYS

Louis Herscovitz, Vice President and General Sales Manager, The Ruberoid Co., New York City, November 18th.

J. A. Marcotte, General Sales Manager, Asbestos Corporation Limited, Thetford Mines, P. Q., Canada, November 22nd.

F. R. Anderson, Vice President, Sall Mountain Co., Chicago Ill., November 24th.

Alvin C. McCord, President, McCord Radiator & Mfg. Co. Detroit, Mich., November 24th.

John J. Krez, President, Paul J. Krez Co., Chicago, Ill., November 26th.

Frank N. Grossman, Secretary, Arnold Insulations Inc., Chicago, Ill., November 28th.

E. T. Connell, President, Connell Asbestos Co., Glendale, L. I., N. Y., November 29th.

S. P. Moffit, Executive Vice President, The Ruberoid Co., New York City, November 29th.

R. E. Kramig, Senior Partner, R. E. Kramig & Co., Cincinnati, Ohio, November 29th.

Harvey D. Burgstreser, Sales Department, Philadelphia Asbestos Co., Philadelphia, Pa., December 3rd.

Irving Kevelson, Ace Asbestos Mfg. Co., 451 Communipaw Ave., Jersey City, N. J., December 4th.

D. A. McMillan, Vice President, Gulf States Insulation Co., Mobile, Ala., December 4th.

K. H. Behre, Secretary, The Ruberoid Co., New York City, December 5th.

Victor Mauck, President, Nicolet Asbestos Mines, Norristown, Pa., December 6th.

P. M. Berry, Secretary-Treasurer, Standard Asbestos Mfg. Co., Cleveland, Ohio, December 8th.

E. J. Fasold, Secretary, Philip Carey Mfg. Co., Lockland, Cincinnati, Ohio, December 8th.

Kenneth MacLellan, Managing Director, George MacLellan & Co., Ltd., Glasgow, Scotland, December 8th.

D. W. Widmayer, General Sales Manager, Keasbey & Mattison Co., Ambler, Pa., December 12th.

John O. Camp, Vice President, Southern Friction Materials Co., Charlotte, N. C., December 13th.

George P. Grossman, President, Asbestos Products Co., Inc., Lakewood, Ohio, December 13th.

Joseph Poulin, President and General Manager, Asbestonos Corporation Ltd., St. Lambert, Montreal, P. Q., Canada, December 15th.

Lewis J. Silverman, Vice President, Union Asbestos & Rubber Co., Chicago, Ill., December 16th.

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• BLUE ASBESTOS

The Cape Asbestos Company, Ltd., is the world's largest supplier of acid-resistant blue crocidolite asbestos, and the only manufacturer operating its own mines. Inquiries solicited on:

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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

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Alvin Brown, Vice President for Finance, Johns-Manville Corp., New York City, December 17th.

M. Paul Doud, Proprietor, Doud Insulation Co., Philadelphia, Pa., December 17th.

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

THE RUBEROID CO. — Celebrates 62nd Anniversary

The Ruberoid Co. celebrated its 62nd anniversary on October 20th.

A leaflet was sent to all factory and office workers on that day and included a letter from Herbert Abraham, President. The letter stated that 1,030,000 tons of finished asbestos and asphalt building material had been produced by the company during the past year, surpassing all previous records, and that the total number of employees at present is at an alltime high of 4,743.

A feature of the leaflet is a pictorial presentatiion of the evolution of the American home over the past 62 years, showing how industrial research has freed the housewife from her former domestic drudgery, and made homes safer, more comfortable and more attractive in appearance.

JOHNS-MANVILLE — Third Quarter Report

Consolidated earnings of Johns-Manville and subsidiary companies for the third quarter of 1948 were $5,237,305, compared with $2,307,881 for the same period last year, equivalent to $1.78 per share of common stock in 1948 and 78c in 1947.

Sales in the third quarter of 1948 were $44,880,720, compared with $32,589,337 iin the third quarter of 1947. Most of the increase was due to increased production.

Earnings per share of common stock for the first nine months of 1948 were $3.67 compared with $2.56 in 1947.

ROBERT S. KING

Robert S. King, President of The Philip Carey Mfg. Co., has been elected a director of the Maryland Casualty Co.

R-M ESTABLISHES NEW LOS ANGELES WAREHOUSE

Raybestos-Manhattan, Inc., announces its new modern Los Angeles Warehouse and Office at 4651 Pacific Boulevard, Los Angeles, 11, to service and stock rubber goods and packings for industrial and oil field requirements for Southern California.

Principal products carried are conveyor belt, V-belts, transmission belts, industrial rubber hose of various types, rotary oil well drilling hose, asbestos and rubber packings for industrial and oil well machinery.

The warehouse will be in charge of Schuyler V. V. Hoffman and is part of the West Coast Division Sales Headquarters located at 131 Mission St., San Francisco.

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JOHN W. HUMPHREY MADE EXECUTIVE VICE PRESIDENT—CAREY

The appointment of John W. Humphrey as Executive Vice President of The Philip Carey Mfg. Company has been announced by J. S. King, President.


John W. Humphrey

Mr. Humphrey succeeds C. A. Lambie, Sr., who recently retired from that post. He joins the Carey organization with an outstanding business record.

Mr. Humphrey was graduated from the University of Michigan in 1924 with a degree in industrial engineering. After graduation he began his business career with the General Motors Corporation and remained with that organization in various executive and factory operating capacities until 1940. In that year he joined the National Cash Register Company, Dayton, Ohio, as assistant to the vice president in charge of manufacturing and was later appointed factory manager. In 1945 he was appointed vice president in charge of manufacturing of the International Telephone & Telegraph Corporation. In the latter part of 1947 Mr. Humphrey formed his own management consulting business, making Cincinnati his headquarters in order to serve a number of clients in that location.

Mr. Humphrey is a director of the Bucaeye Tool Corporation of Dayton, Ohio, Chesley Industries of Detroit, Mich., and Cincinnati Metalcrafts. He is a member of the Engineers Club of Cincinnati, the Queen City Club and the Newman Society.

L. E. HARNISCH JOINS GRANT WILSON, INC.

"Larry" Harnisch comes to the Grant Wilson Organization with an unusually complete background, having been formerly connected with the Pennsylvania Railroad System, the Wabash Railroad, Trans-World Air Lines (Air Freight Division) and a Motor Truck Distribution System, which fully qualifies him to head up their very active Traffic Department.


L. E. Harnisch

The Company feels that the ever-increasing importance of rail water, truck and air distribution, domestic and foreign, especially in view of the current high rates and tariff complexities, places the responsibility of Traffic Management on a par with manufacturing and selling.

JAMES A. McKEON ILL

James A. McKeon, a former vice president of Greene, Tweed & Co., who is widely known in the Asbestos Packing Industry thru his 45 years' association with the Company, fell seriously

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ill while on vacation at Hensonville, N. Y. As a result of a stroke his circulatory system was voided and his left side paralyzed. He is now at his home in Lynbrook, L. I., N. Y Mr. McKeon joined Greene, Tweed & Co., in 1895 and retired in 940.

OBITUARY—Lt. Col. Arthur McClintock

Lt.-Col. George Arthur McClintock, E. D., Chief Engineer of Bell Asbestos Mines, Ltd., died on September 30th in Quebec City. He was in his 59th year.

Col. McClintock served overseas in the First World War with the Royal Canadian Artillery and joined the Royal Canadian Engineers in World War II. He was a member of the Engineering Institute of Canada and the Institute of Mining & Metallurgy.

Col. McClintock joined the Bell Asbestos Mines Ltd. November 7, 1923 as Chief Engineer, which position he held until the time of his death.

OBITUARY—George W. Mills

George W. Mills, patent attorney and legal advisor of the Philip Carey Manufacturing Co., for 45 years, died September 22nd at the Gibson Hotel, in Cincinnati, where he resided for the last 28 years.

Mr. Mills was born in New York City and was graduated from the New York Law School. Before joining Carey he was associated with the New York law firm of Kenyon & Kenyon. Mr. Mills suffered from infantile paralysis since the age of two. He received a knee injury in September 1946 and had been confined to his residence up to the time of his death. Death was caused by a heart attack. He was 72.

Mr. Mills had an exceptionally fine and valuable collection of stamps and rare books. His colleagues at Carey remember him for his cheerful personality. His continuous spirit of keen optimism about the future of Carey and his efforts to promote the interests of the company were plainly evident to all with whom he was associated. Mr. Mills was well known thruout the roofing and Asbestos Industry. He was buried in Evergreen Cemetery, Brooklyn, New York.

OBITUARY—Ralph Tomlinson

We regret to publish the death on October 23rd, of Ralph Tomlinson, Co-partner of the Pacific Asbestos & Supply Co., Portland, Ore.

Mr. Tomlinson was active in insulation contracting circles in the Northwest and well known to many of our readers.

U. S. RUBBER CO. — Report for First Nine Months

Net earnings of United States Rubber Co. for the nine months ended September 30 were $15,216,798. This is equivalent to $6.42 a share on the common stock.

Net *sales* for the nine months were $431,930,181. Earnings were 3.5% of sales.

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RUDOLF HORL—PARTNER TROPAG

Tropag, Asbest- und Erz-Import (Oscar H. Ritter K.-G announce that Rudolf Horl has entered their firm as a partne .

Mr. Horl has been employed with the firm for more han 20 years, being manager of their Ore Department but th roly familiar with all other branches of the company.

Main Offices of the firm are located at Ballindamm 7, Hamburg 1, Germany.

PARAFFINE COMPANIES, INC. — Third Quarter Report

Net profit for the third quarter of 1948 of Paraffine Companies, Inc., was $957,185, equal to 63c on common stock, after deducting 4% Cumulative Convertible Preferred Stock dividend requirements.

This compares with a net profit of $809,517, or 53c on common stock for the same period in 1947.

FLINTKOTE WINS DIRECT MAIL AWARD

On September 29th, the Direct Mail Advertising Association at its 31st Annual Convention in Philadelphia presented The Flintkote Company with a "Best of Industry" Award, judging its sales promotional materials, dealers' sales helps, product manuals, etc., to be the "Direct Mail Leader" for 1948 of the Building Materials Industry.

Flintkote's sales promotion campaigns were also voted "Direct Mail Leaders" in 1936, 1937, 1938, 1946 and 1947.

ASBESTOS CONSTRUCTION CO.—Silver Anniversary

A dinner was tendered to Clarence E. Witherspoon, President of the Asbestos Construction Company, Inc., 607 W. 29th St., New York, on November 5th at the Engineers' Club, New York City, to celebrate the twenty-fifth anniversary of the company's founding.

The dinner was given by Johns-Manville Corporation and attended by friends and business associates of Mr. Witherspoon from the Asbestos Construction Company, Johns-Manville and other companies.

Mr. Witherspoon, formerly an industrial insulation sales representative with Johns-Manville, left the company in 1923 to found the Asbestos Construction Company, now one of the largest industrial and commercial insulation coontractors in the country.

Other officers of the company were also associated with Johns-Manville prior to accepting posts with the Asbestos Construction Company. They include Michael P. Young, Howard J. Nelson, and Austin F. McCormack, vice presidents, and Joseph W. Kennedy, secretary. Mr. Witherspoon was presented with a gold watch and wristband by his associates. E. D. Flavin, J-M New York Industrial Products Division district manager, was toastmaster, and brief speeches were made by Mr. Witherspoon and others in attendance.

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ARTICLES

"The Asbestos Manufacturing Industry—a Brief Review of its Operation" appeared in the August 28th issue of The South African Mining & Engineering Journal, and "Research on Asbestos Fibres" in the September 4th issue of the same journal. The author of the latter article is M. S. Badollet.

ASBESTOS STOCK QUOTATIONS

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

		October 1948		
	Par	Low	High	Last
Armstrong Cork (Com)	np	49½	55	52½
Armstrong Cork (Pfd)	np	92¼	94¾	94½
Armstrong Cork (Conv. Pfd)	np	108½	113	109⅛
Asbestos Corp (Com)	np	25½	28½	27
Asbestos Mfg. Co. (Com)	1	1⅝	1⅞	1⅞
Celotex (Com)	np	26¾	28¾	27½
Celotex (Pfd)	20	18¼	19¼	19⅛
Certainteed (Com)	1	14¼	16⅝	15⅝
Flintkote (Com)	np	30½	34½	33¼
Flintkote (Pfd)	np	97	99	99
Johns-Manville (Com)	np	35¼	40½	40⅜
Johns-Manville (Pfd)	100	103	111	111
Paraffine (Com)	np	21¼	25½	22½
Paraffine (Pfd)	100	100	103	102
Raybestos-Manhattan (Com)	np	28	32	31½
Ruberoid (Com)	np	60	65¾	64
Thermoid (Com)	1	7	8	7½
Thermoid (Pfd)	50	40	42½	42¼
Union Asb. & Rub (Com)	5	12¾	13⅝	13¼
United Asbestos (Com)	1	46c	1.41	1.36
U. S. Gypsum (Com)	20	95½	107	106½
U. S. Gypsum (Pfd)	100	166¾	172	172
U. S. Rubber (Com)	10	44¾	47¾	46⅜
U. S. Rubber (Pfd)	100	130¼	136½	135

PATENTS

This information obtained from the Official Patent Gazette, published weekly by the U. S. Patent Office, Washington, D. C.

Copies of patents can be obtained by sending 25c (in coin) to The Commissioner of Patents, Washington, D. C., giving the patent number, date it was issued, name of patentee and name of invention.

Roll Stripping Mechanism. No. 2,450,957. Granted on October 2, 1948, to Louis A. Hawthorne, Hillside, N. J., assignor to Johns-Manville. Application February 17, 1945. Serial No. 578,526. Description upon request.

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Method of Coupling Pipe. No. 2,451,046. Granted on October 12, 1948 to Ernest Wayne Rembert, Hinsdale, Ill., assignor to Johns-Manville. Application September 20, 1944. Serial No. 554,882.

The method of forming a coupling sleeve comprising introducing a molten thermoplastic material within a tubular member, rotating said tubular member to distribute said thermoplastic material in a substantially uniform thickness layer to form a liner, cooling and setting said thermoplastic material, dividing said tubular member into a plurality of sleeves and shaping the liner within said sleeves to define tapers extending substantially uniformly from a minimum thickness adjacent the ends thereof to a maximum thickness adjacent the center thereof.

BOOK LIST

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

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

Milling Asbestos. By J. C. Kelleher. (Reprint) 16 pages. Companion article to Asbestos Mining Methods. Both should be in every Asbestos Library, 25c per copy, discount in quantities of 50 or more.

Recovery of Raw Asbestos. By Roland Starkey. (Reprint) 6 pages. Supplement to Milling Asbestos. 25c per copy, discount in quantities of 50 or more.

Canadian Chrysotile Asbestos Classification. Including latest Quebec Testing Method. 30c.

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

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

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

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

Manual of Unit Prices (for figuring pipe covering and blocks) 35c per copy postpaid.

Asbestos: A Magic Mineral, by Lilian Holmes Strack. Written for school children but should be in every Asbestos library. $1.00 per copy.

Asbestos—The Silk of the Mineral Kingdom, by Oliver Bowles. 40 pages about asbestos, from mine to finished product, in plain language, illustrated, 25c a copy.

Order any of the above from "ASBESTOS", 17th Fl., Inquirer Bldg., Philadelphia 30, Pa. Postage stamps acceptable for amounts less than $1.00.

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AFTERTHOUGHTS

¶ Christmas Suggestion: A copy of "Asbestos: A Ma[gic] Mineral" for those small nieces or nephews, grandchi[l]dren, or children, who are on your Christmas Gift list. It [co]sts $1.00 a copy. We have just gotten a new supply. See [o]ur Book List on page 50.

¶ To those interested in filtration we recommend the He[r]cules Filtration Fact Finder, house organ published by Hercules Filter Corporation, Paterson, N. J. No doubt the company would be glad to add to their mailing list any reader of "ASBESTOS". If and when you make this request please mention our name.

¶ Which reminds us: An article "Asbestos Filtration" by [F]. V. Krause which appeared in "Wines & Vines" issue of March 1942, has been sent to us by one of our readers. A typewritten copy will be supplied for 10c (to cover postage, etc. charges.)

¶ Turkish Asbestos: A specimen of asbestos from Turkey reached us a few days ago. It is very interesting material as some of the fibres in the sample are quite long and silky altho the material is decidedly an amphibole type. After examination by several experts on asbestos, including one well-known mineralogist, it has been pronounced *tremolite*. Further information will be supplied to anyone interested.

¶ An error occurred in the article "Asbestos Production—United States" (pages 22-27 October "ASBESTOS"), the last two figures in the tabulation on page 27 being incorrect. The production figure for 1946 is 14,426 tons, while that for 1947 is 25,139. Sorry!

¶ We are very proud to have the editorial "The Broader Aspect" from the pen of Herbert Abraham. Perhaps other executives in the Asbestos Industry will be inspired to write their views on various phases of Asbestos activities.

¶ Quotation: "Let us keep our months shut and our pens dry until we know the facts." In view of the result of recent election, seems like timely advice!

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Form 3526
Rev. 7-48

STATEMENT OF THE OWNERSHIP, MANAGEMENT, CIRCULATION, ETC., REQUIRED BY THE ACT OF CONGRESS OF AUGUST 24, 1912, AS AMENDED BY THE ACTS OF MARCH 3, 1933, AND JULY 2, 1946

Of "ASBESTOS" (Insert title of publication) published monthly (State frequency of issue)

at Philadelphia, Pa. (Name of post office and State where publication is entered) for October 48

STATE OF Pennsylvania
COUNTY OF Philadelphia } ss.

Before me, a Notary Public in and for the State and county aforesaid, personally appeared A.S. Rossiter, who, having been duly sworn according to law, deposes and says that he is the Editor of the magazine "ASBESTOS" (State whether editor, publisher, business manager, or owner) (Insert title of publication) and that the following is, to the best of his knowledge and belief, a true statement of the ownership, management (and if a daily, weekly, semiweekly or triweekly newspaper, the circulation), etc., of the aforesaid publication for the date shown in the above caption, required by the act of August 24, 1912, as amended by the acts of March 3, 1933, and July 2 1946 (section 537, Postal Laws and Regulations), printed on the reverse of this form, to wit:

1. That the names and addresses of the publisher, editor, managing editor, and business managers are:

	Name of—	*Post office address—*
Publisher	Secretarial service, 17th Fl., Inquirer Bldg., Phila., 30, Pa.	
Editor	A. S. Rossiter	Blue Bell, Montg. Co., Pa.
Managing editor	A. S. Rossiter	Blue Bell, Montg. Co., Pa.
Business manager	A.S. Rossiter W. F. Cox	Blue Bell, Montg. Co., Pa. 1216 Sta. St., Phila., 43, Pa.

2. That the owner is: (If owned by a corporation, its name and address must be stated and also immediately thereunder the names and addresses of stockholders owning or holding one percent or more of total amount of stock. If not owned by a corporation, the names and addresses of the individual owners must be given. If owned by a firm, company, or other unincorporated concern, its name and address, as well as those of each individual member, must be given.)

Estate of C. J. Stover	130 Summit Ave., Jenkintown, Pa.

3. That the known bondholders, mortgagees, and other security holders owning or holding 1 percent or more of total amount of bonds, mortgages, or other securities are. (If there are none, so state.)

None	

4. That the two paragraphs next above, giving the names of the owners, stockholders, and security holders, if any, contain not only the list of stockholders and security holders as they appear upon the books of the company but also, in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting, is given; also that the said two paragraphs contain statements embracing affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees, hold stock and securities in a capacity other than that of a bona fide owner; and this affiant has no reason to believe that any other person, association, or corporation has any interest direct or indirect in the said stock, bonds, or other securities than as so stated by him.

5. That the average number of copies of each issue of this publication sold or distributed, through the mails or otherwise, to paid subscribers during the twelve months preceding the date shown above is .....
(This information is required from daily, weekly, semiweekly, and triweekly newspapers only.)

A. S. Rossiter
(Signature of editor, publisher, business manager, or owner)

Sworn to and subscribed before me this 20th day of September, 1948

[SEAL] Tom Jones
(My commission expires Jan. 27, 1949)

NOTE.—This statement must be made in duplicate and both copies delivered by the publisher to the postmaster, who shall send one copy to the Third Assistant Postmaster General, Division of Newspaper and Periodical Mail, Washington 25, D. C., and retain the other in the files of the post office. The publisher must publish a copy of this statement in the second issue printed next after its filing.

POSTMASTER: BE SURE TO READ AND CAREFULLY OBSERVE INSTRUCTIONS ON THE OTHER SIDE 16—37284

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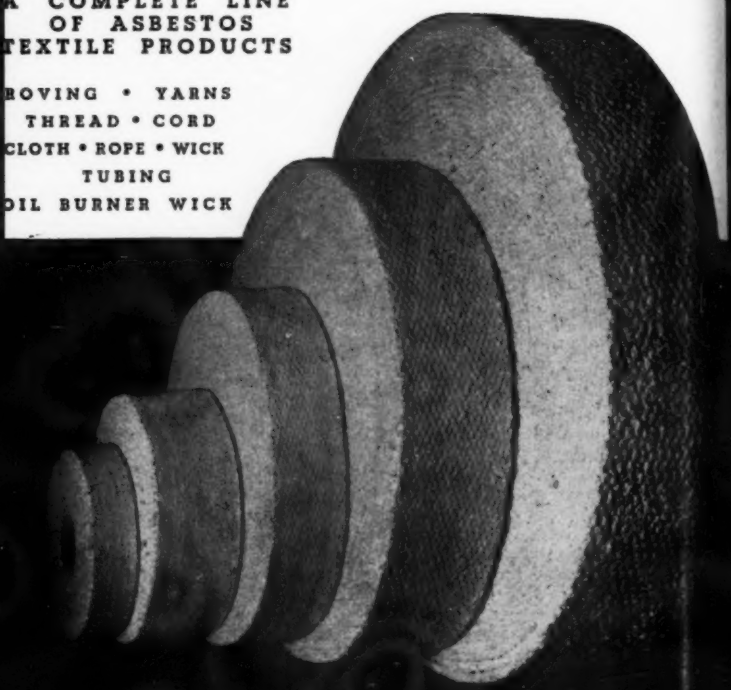
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