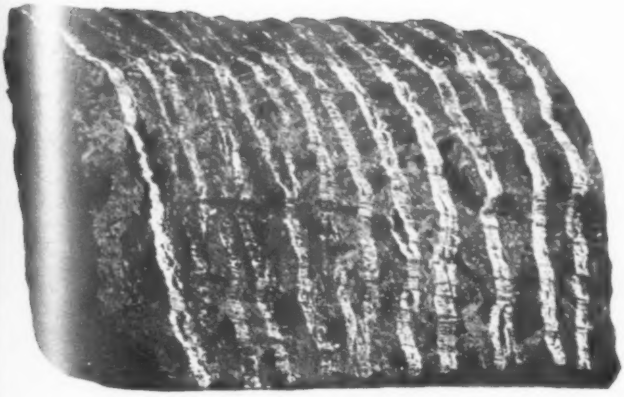
ASBESTOS



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RAYBESTOS-MANHATTAN, INC.

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*

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

Volume 28 SEPTEMBER 1946 Number 3

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FIRE LOSSES

Increased losses from fires in America during 1945 and 1946, much greater than those of corresponding periods during the 16 preceding years, are due largely to sub-standard construction and installations, inadequate protection and maintenance, inadequate fire departments and the cessation of critical inspections, according to the National Fire Protection Association.

While the manufacturers of asbestos (fireproof) products, and specifically of asbestos building materials, can do little, except individually, about the two last named causes, they can do much about the first two, viz: *sub-standard construction and installations*, and *inadequate protection and maintenance*.

Of course every seller of building materials, for his own interest, if for no other reason, is continually urging fireproof construction and fireproof repairs.

Fire Prevention week, from October 6th to 12th, is a good time however, to stress the need of fireproof roofing, siding, lining and other use of asbestos building materials, insulation, and so on.

Mrs. O'Leary's cow kicked over the lantern in Chicago in 1871, and thus, if the story is true, started one of the most memorable fires in history. It does seem that in these 75 years we as a nation would become more fire conscious, but if the rapidly mounting figures of fire destruction is any criterion, we are not.

It doesn't need the National Fire Protection Association to help us remember the many large fires during the past two years; but the statistics they give us are as awful (and it should be spelled *awe-full*) as they are valuable. They tell us that "large loss" fires in the United States and Canada skyrocketed nearly 50% during the first three months of 1946. Eighteen percent of these fires broke out in multiple occupancy buildings while manufacturing plants and warehouses suffered the next highest losses.

Can the Asbestos Industry do anything about it?

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THE UTOPIAN PAST

A few days ago while standing on a street corner waiting for a car, a woman near me, who was also impatiently waiting, remarked that she "wished they would bring back the country like it used to be."

Cars at the moment were running a little slower than usual because of some controversy between the Management and the Union, and that condition no doubt called forth the remark quoted, but really it is nothing new in Philadelphia, or any other city we imagine, to wait at times for a street car or bus.

It is unfortunately a trait of human nature, when subjected to some small annoyance, to wish for days gone by when, according to all of us, such things never happened, and, in our memories, Utopia existed. It is, in fact remarkable, how quickly we forget the unpleasant things and remember only the pleasant ones.

If that particular person could have her wish, just what would she have chosen—times like those in 1933 when the banks were closing and the height of the depression was with us? Like those in 1900—before the automobile cut distances so drastically? Times when electricity was in the luxury class and the myriad of household appliances which make life so comfortable were not known? Or those days in the beginning of the war when blackouts, air raid drills, were everyday affairs? Or later on when sons and husbands and fathers were leaving by the thousands for unknown and dangerous missions, many never to return.

No,—it would be neither enjoyable nor profitable to go back to the "good old days". Each era has its trials and problems; each one its joys. We must travel thru life as best we can, taking one problem after another, pressing forward, not looking back. The present generation knows no time but *now;* they are looking toward the future with high hope and anticipation. They regard it as their *privilege* to live in these difficult times, to conquer the present problems, and by conquering, to take their high places in the world of opportunity. Life is a challenge to the

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RAYON IN THE SPINNING OF ASBESTOS

By Howard E. Shearer[1]

Asbestos-Rayon Blends.

During the early stages of the war, the supply of spinnable grades of asbestos began to become increasingly scarce. Where formerly the 3K grade of chrysotile asbestos was used for spinning yarn in the Commercial and Underwriters classifications containing from 75% to 85% asbestos, it now became necessary to go to the lower 3R and 3T grades in increasingly large amounts. This greatly multiplied the burden already placed upon the asbestos yarn spinner to economically produce a yarn of specified size having the necessary strength and required asbestos content. The increased losses of asbestos in opening and carding and the greater number of ends down in spinning or breaking out in weaving reached alarming proportions in the many mills forced to use the lower grades of asbestos. To make matters worse, long staple American and Peruvian cottons used as the carrying fibre in processing the better quality asbestos yarns, became increasingly scarce and expensive.

During this time, technicians of the American Viscose Corporation had been experimenting with Asbestos-Rayon blends. The highly serrated edges of a viscose rayon fibre, which may be plainly discerned in a cross-sectional view of the fibre under the microscope, and the permanent curliness or crimp that may be imparted under controlled methods of manufacture, suggested this rayon as an ideal carrier of the fine slippery asbestos fibres for carding into uniform roving and spinning into yarn with a minimum of loss and breakage. The controlled fineness of the rayon fibre, its strength and length of staple were also found to be important contributing factors in promoting cohesion and strength in the asbestos web, roving and yarn.[2]

Generally speaking, the finer sizes and shorter lengths of viscose staple produce the better asbestos yield. Curl or

[1] Industrial Division, Textile Research Dept., American Viscose Corp.

[2] See Patent No. 2,401,389, described on page 44 of July 1946 "ASBESTOS".

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crimp in the staple add to the cohesion, which is quite important in roving, but adds very little to the strength of the yarn. Increased staple length also promotes cohesion as well as strength, while the higher tenacity types show still further improvement.

While better results are generally obtained by having the entire "vegetable fibre" content of rayon, it may be preferred in some cases to blend the rayon with cotton. In such instances, it is recommended the rayon content be not less than 1/3 of the "vegetable fibre" content.

Opening and Blending.

In running asbestos-rayon blends only a few minor changes need be made in the precedure and settings custo-

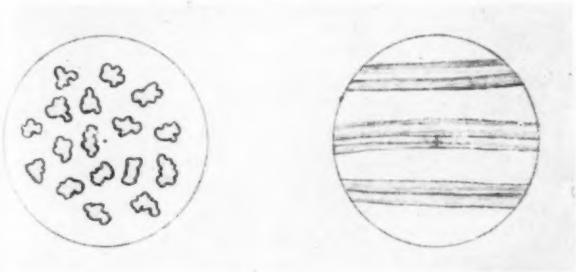


Photo-micrograph showing cross section and longitudinal view of 1.25 denier Rayon Fibres.

marily employed when running asbestos-cotton blends. Major attention should be given to the general condition of the equipment. For best results care should be taken to insure good opening and thoro blending.

There are a number of satisfactory means of accomplishing this. If space does not permit conditioning, it is well to release the bale straps on the rayon some 10 to 12 hours prior to use to permit a natural loosening up and conditioning of the fibre in layer form. It is neither necessary nor desirable to run the rayon staple thru a bale breaker or duster as is customary when running cotton, as the fibre is clean and opens quite readily. Where these two

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fibres are to be used together, the cotton should first be opened separately and then blended with the rayon, either with or without the asbestos, on a Fearnaught or a mixing picker. The method of making a sandwich blend with the asbestos fibre, processing thru the picker and blowing directly to the card apparently works as well as picking the "vegetable fibre" separately and blending with the asbestos at the card. Different mills will have a preference for one or another depending upon what they have been used to and the alterations that might be made on the equipment at hand. Neither asbestos nor rayon requires the beating that does cotton. By so doing, excessive fly, waste and weaker roving will result. A two-section picker equipped with hopper feed and Kirschner beaters operating around 600 R. P. M. gives best results with rayon. Two process picking is of advantage when handling blends with either, or both, cotton or asbestos.

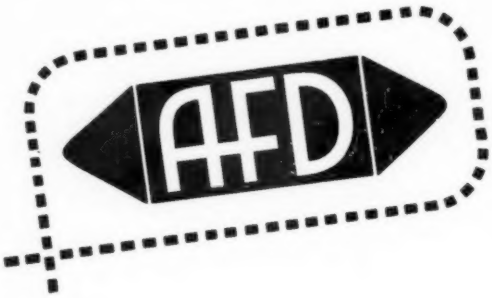
Carding.

The roller top cards used almost exclusively in this industry, when properly operated irrespective of make and whether they be equipped with filet or metallic wire and double-ring doffer or tape condensers, should give more uniform webs and roving with less neps and flakiness when running the fine denier longer staple rayon in combination with asbestos, than when running an asbestos-cotton blend. Production rates may also be stepped up appreciably without any major alterations in the procedure commonly followed. Minor adjustments in clearance settings of the rolls may be found advisable. These will depend upon the blend being run and will vary with different equipment and mills. An experienced carder should have no difficulty in determining what adjustments to make on his equipment. Stronger roving should be had thru the use of automatic hopper feed and weighing pan controls, as well as deep groove or broad tape condensers which facilities the running of longer staple rayon.

Spinning.

Spinning methods for asbestos and rayon yarns are no different from asbestos-cotton spinning. Most mills employ a no draft ring spinning frame with very satisfactory re-

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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:

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Division of Johns-Manville Sales Corp.

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

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sults, taking the roving directly from jack spools or cheeses. Thru use of a fine denier long staple rayon as the carrying fibre for the asbestos, fewer ends down in spinning accompanied by less fly and a stronger yarn of better asbestos content is the general rule.

Editor's Note: This is the first of a series of articles on the blending of various types of fibres with asbestos.

CEILINGS RAISED ON ASBESTOS-CEMENT SHINGLES

Ceilings on several types of building materials have been raised by the OPA, effective August 23rd, to conform with the provisions of the Price Control Extension Act of 1946 regarding resellers' mark-ups. The action permits resellers to restore their March 31, 1946, percentage mark-ups, and will mean an increase of approximately one to three per cent over existing resellers' ceilings.

Among the items involved are asphalt and tarred roofing products, vitrified clay sewer pipe and allied products in the east central, south central and eastern areas, Portland cement in the Southern California area and asbestos-cement roofing and siding shingles.

Those interested should write for OPA Release No. 6731, addressing The Office of Price Administration, Washington, 25, D. C.

EXPORT CONTROL

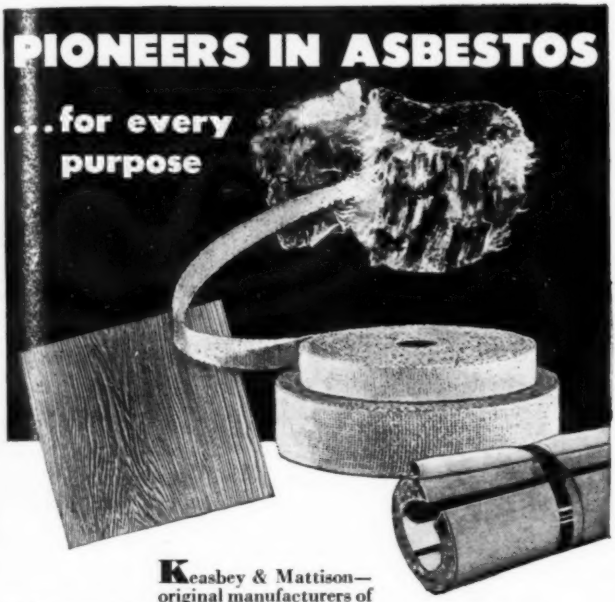
At the request of the National Housing Agency, 32 additional building materials and equipment urgently needed in the veterans' emergency housing program have been placed under export control and will require individual licenses for shipment abroad. The list includes: roofing felt paper, asbestos paper, millboard and rollboard, asbestos pipe covering, asbestos sheets, asbestos roofing. (See page 3 of June 1946 "ASBESTOS" for definition of Asbestos Sheets).

No man has as much to learn as he who thinks he knows it all.

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PIONEERS IN ASBESTOS

...for every purpose



Keasbey & Mattison—original manufacturers of asbestos-cement roofing shingles in this country—produce a complete line of asbestos building materials: Siding and Roofing Shingles • Wallboards • Corrugated and Flat Lumber • Acoustical material.

For Industry, we offer the following all-purpose asbestos products: Asbestos and Magnesia Pipe and Block Insulations • Asbestos Electrical Materials • Packings • Textiles • Paper and Millboard • Marine Insulations.

And for the efficient conveyance of water, we manufacture "Century" Asbestos-Cement Pipe.

Nature made Asbestos...

Keasbey & Mattison has been making it serve mankind since 1873

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ASBESTOS MILL AT WITTENOOM, AUSTRALIA



The asbestos mill erected by the Australian Blue Asbestos Ltd., at Wittenoom, Western Australia, is completed and fibres are being produced and marketed by the Colonial Sugar Refining Co. Limited, Building Materials Division.

The erection of the mill in such an isolated locality as Wittenoom, and the development of the underground mine there, is a very interesting story.

Wittenoom is about 250 miles inland from Roebourne, the nearest town on the coast of Western Australia, which, in turn, is approximately 1,000 miles north of Perth. A steamer service operates up the coast of Western Australia but because of the military activity at the time the mill was built, and the fact that ships were scheduled to run only each four weeks, it was practically impossible to transport the necessary machinery, building materials, etc., to Wittenoom, by steamer. The nearest railway is about 600 miles from Wittenoom at Meekatharra, which means that to bring material by this route from Perth involved a journey of 600 miles by rail and then 600 miles by road. Roads are naturally very poor in this outback district and in fact a shower of rain can make the road quite impassable.

Consequently it was necessary to transport much of the equipment required for the mill by air from Perth. Workmen are almost invariably transported by air to the mill and mine, from Perth—a distance of 1,000 miles, and

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PHOTO-COURTESY OF STATE OF VERMONT

Vermont for hunting ...and *Asbestos*

• When autumn comes, ruffed grouse whir across upland fields... and hills echo to the blast of guns ...turning Vermont into a happy hunting ground.

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

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an aerodrome (airport) has been constructed within a few miles of the plant.

A settlement has been formed a short distance from the mill in a pleasant section of Wittenoom Gorge and already consists of a number of houses for married workmen and staff, and barracks for single employees. Each house is well insulated against tropical heat by the use of Caneite wallboard for walls and ceilings, this being a wallboard made by the C. S. R. Co. Ltd., Building Materials Division, at its factory at Sydney, N. S. W. This material is not affected by the white ants so prevalent and troublesome in that section of Western Australia.

For mining purposes over 1,000 feet of tunnels have already been constructed in the side of the cliffs in which the asbestos ore is obtained. The rock from the mine is divided roughly by inspection into barren rock and ore and the ore is trucked to the mill bin. In the mill the rock is passed thru a series of rock crushing units, dust and grit being screened out at each stage and the separation of asbestos from the broken rock is then achieved by having air suction hoods mounted above shaker type screens to suck the fibre away from the rock.

Three grades of asbestos are produced, the No. 1 and No. 2 requiring long fibre, while grade No. 3 is for the manufacture of materials such as asbestos-cement and for other purposes where fibre not exceeding ½" in length is suitable.

The Colonial Sugar Refining Company Limited, 1-7 O'Connell Street, Sydney, Australia, are the Managing Agents for Australian Blue Asbestos Limited. The assets of the Company are £27,000,000. The Building Materials Division of the Colonial Sugar Refining Company Limited, which markets the Blue Asbestos, also manufactures and markets Cane-ite Cane Fibre Insulating Board, Acoustic Tiles, Asbestos Cement Products, Gypsum Plaster, and has just completed a plant to manufacture Gypsum Board. A plant to manufacture Hardboard is nearing completion and three other plants to manufacture various building materials are in the course of construction.

The Colonial Sugar Refining Company Ltd. is wholly

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UNION ASBESTOS
MEANS PROGRESS IN INSULATION
AND RUBBER CO.

INSULATION
FOR MARINE, RAILROAD,
AVIATION AND INDUSTRIAL USE

☆



FIVE ARMY-NAVY "E's"
WERE EARNED BY
UNION ASBESTOS & RUBBER COMPANY
AT THE
CICERO, ILLINOIS and PATERSON, N. J. PLANTS

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

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an Australian Company. It has recently signed a contract with Johns-Manville International Corporation, the latter Company to act as sole selling agent for Australian Blue Asbestos Fibre in the United States, Canada, Mexico and Central and South America.

Editor's Note. The photograph at top of article shows the rugged walls of Wittenoom Gorge at the foot of which (center) is the Asbestos Mill.

ASBESTOS PANS

A "pan" made of asbestos-cement is suspended on the flanges of expanded steel (or concrete) joists, facilitating the construction of poured concrete floors and thus requiring no wood forming, no elaborate fasteners. Left in place, they become part of the structure and provide a better than average appearance for basement ceilings. Heating ducts and spaces for conduits and pipes are readily created by laying flat asbestos sheets under a row of pans. Just an ingenious idea. The "pans" must be *formed*, of course.

THE UTOPIAN PAST— *(Continued from Page 3)*

young and fearless; they have a lot of obstacles to overcome and they know it, but never does the future daunt them.

These *are* troublous times—we must do our best to cope with them efficiently. Strikes—we must find some way to prevent them. Peace—we must see that it is kept. Security, in spite of atomic bombs and other fear-inspiring developments—that is a problem to be wisely dealt with and solved.

In fact there is just as much research work to be done on sociological problems as on atomic matters and industrial progress. Such problems can be solved but it takes time and study. Trial and error—err and try again!

No time to look back—we must hurry forward.

WANTED—TO PURCHASE

Asbestos Pipe Covering Winder required. New or used. State price, capacity, condition. Address Box 11-A-M, "ASBESTOS", 17th Fl., Inquirer Bldg., Phila., 30, Pa.

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MARKET CONDITIONS

GENERAL BUSINESS

Most strikes have been settled; prices have gone up all along the line (where controls allowed or were suspended) to take care of increased costs; the flow of many kinds of merchandise has increased, thus easing situations in many industries.

Will there be a fresh wave of strikes later on? Probably, altho it would seem to be a most unwise policy in the long run, as it will only tend to raise prices and no one will really benefit.

At the moment, however, the overall situation seems to be getting in hand; people are eager to buy, build, and renovate. Repairs of all kinds are necessary, many having been postponed during the war years and this succeeding year of reconversion. Unemployment is really low, and much of what there is can be accounted for by the fact that many people do not want to work. There is work to be found if they want it. In fact there are reports of labor shortages in our own Industry, as will be seen in the following paragraphs.

ASBESTOS-RAW MATERIAL

The demand for all grades of asbestos is continuing very active, and there undoubtedly will be a shortage of all grades during the balance of 1946 and all of 1947. It is expected that Canadian fibre will again go up in price around October 1st in order to compensate the Canadian miners for the 10% loss in Canadian dollar exchange which they had to accept in July.

ASBESTOS - MANUFACTURED GOODS

Comments are very slow coming in this month because of vacations and the Labor Day holiday, but those which have reached us are interesting and informative.

Textiles. "Demand", says one executive, "remains steady and prices firm. Production seems adequate except for brass wire inserted materials, especially oil burner wicking. Production of these items are seriously curtailed because of the continuing difficulty of brass wire manu-

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ASBESTOS

ASBESTOS CORPORATION LIMITED

THETFORD MINES

QUEBEC CANADA

REPRESENTATIVES

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U. S. A.:

BALTIMORE, MD: ..... WALLACE & GALE CO.,
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CLEVELAND, OHIO: ..... WORLD'S PRODUCTS TRADING CO.,
Rockefeller Bldg.

CHICAGO, ILL.: ..... ALBERT E. STARKIE Co.,
5461 W. Division St., Chicago, Ill.,

NEW YORK, N. Y.: ..... WHITTAKER, CLARK & DANIELS, INC.,
260 West Broadway

SAN FRANCISCO, CAL.: ..... L. H. BUTCHER Co.,
15th and Vermont Sts.

CANADA:

MONTREAL, QUE.: ..... ATLAS ASBESTOS Co., LTD.
110 McGill St.

TORONTO, ONT.: ..... CANADIAN ASBESTOS ONTARIO LTD.
14 Front St.

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facturers to make deliveries."

Another one says that "there appears to be a rather substantial increase in demand generally for Asbestos Textiles and if the labor situation does not prevent industry from improving its production picture we are sure a steady increase in demand will continue." This man also tells us that his company's backlog increased during August, indicating that orders received are substantially greater than his company's production.

Brake Lining. This market is still running well in advance of pre-war sales. Material continues tight because of the labor situation, resulting in shipments generally being two or three months behind.

July, 1946 sales recorded a decrease from the previous month but were higher than those for the same month last year. The total for the seven months of this year is higher than that for the same period in 1945. Sales for domestic consumption, altho higher than those for last July, were lower than those for July, 1944.

Export sales for July, 1946, contrary to those for domestic consumption, recorded increases over all the periods under review. The current volume is not only higher than that for last July, but also exceeded that for the previous month and for the year to date.

Asbestos Paper and Millboard. Both of these markets are reported as having good demand altho below manufacturing capacity. Labor shortages are temporarily limiting production. OPA suspension of price control made possible increase in prices of approximately 15%.

Insulation. High Pressure. "Good demand" report at least three manufacturers, altho considerably under war years and manufacturing capacity. Production is limited temporarily by labor shortages. Suspension of price control by OPA was followed by increase in prices on Magnesia and other types of insulation of approximately 15%. This is the first price increase since 1937.

Insulation. Low Pressure. Here again demand is reported as "good", while the suspension of control on this

(Continued on Page 41)

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HAIR FELT

FOR

Low Temperature Insulation

Newark Hair Felt Co.

1000 Maple Avenue

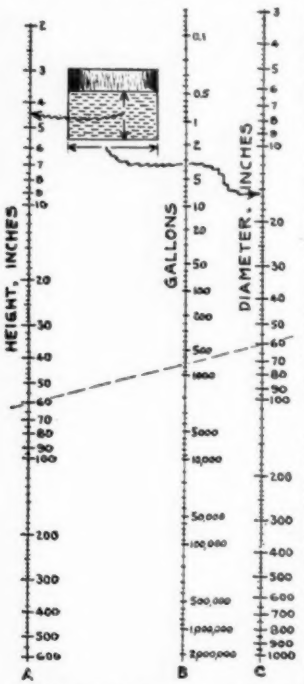
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CONTRACTORS AND DISTRIBUTORS PAGE

GALLONS IN A VERTICAL CYLINDRICAL TANK

The accompanying chart quickly gives the number of gallons in a vertical cylindrical tank of ordinary size and even beyond the ordinary sizes.



To use the chart simply run a straight line across connecting the height of the tank in inches, Column A, with its diameter in inches, Column C, and the number of gallons is instantly given in Column B.

For example, how many gallons will be held by a cylindrical tank 60" high by 60" in diameter? The dotted line drawn across the chart shows how it is done. Connect the 60 in column A, with the 60 in column C, and the answer is shown by column B to be very close to 740 gallons. Figure it out in longhand and you will find that the answer is 733 gallons, showing that the chart is very nearly accurate considering its wide range.

Inversely the chart may be used to figure the size of tank that will be necessary to hold a certain number of gallons. Thus if a tank is wanted to hold 740 gallons simply run any straight line thru the 740, column B, and the intersection with column A gives the height, while the intersection of the same line with column C gives the diameter. By swinging a straight line around the desired point in column B the most economical height and diameter combination is easily obtained.

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ASBESTONE

Corrugated Asbestos-Cement Sheets

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As will be observed, there are hundreds and thousands of combinations possible to hold 740 gallons. Also, if we should have a tank 60" in diameter and, say 200" high, and it should be desired to pour only 740 gallons into it, the same dotted line drawn across this chart will show that filling the tank to a height of 60" it will contain 740 gallons.

The range of the chart is very great. It will take care of any tank all the way from 2", in height to 600" in height, and any diameter from 3" to 1000". The maximum capacity of the largest tank is given as 2,000,000 gallons, or 40,000 barrels. The chart is based on the U. S. Standard of 231 cubic inches per gallon.

In case the tank is so large that one would prefer to use feet as a dimension instead of inches, this chart can still be used by multiplying the figures in column B by 1728. Thus, if the tank should be 60 ft. high by 60 ft. in diameter, the same dotted line would give the answer as 740x1728 equals 1,275,000 gallons. In this way the chart can be made to take care of very extraordinary sizes, the maximum capacity of column B then being 2,000,000 times 1728 or 3,456,000,000 gallons.

BUILDING

The effect of inadequate home building materials and supplies, and in some areas shortages of building craftsmen, was reflected in a 16 per cent drop in contracts awarded for residential construction in the thirty-seven states east of the Rocky Mountains in July, it was reported today by F. W. Dodge Corporation.

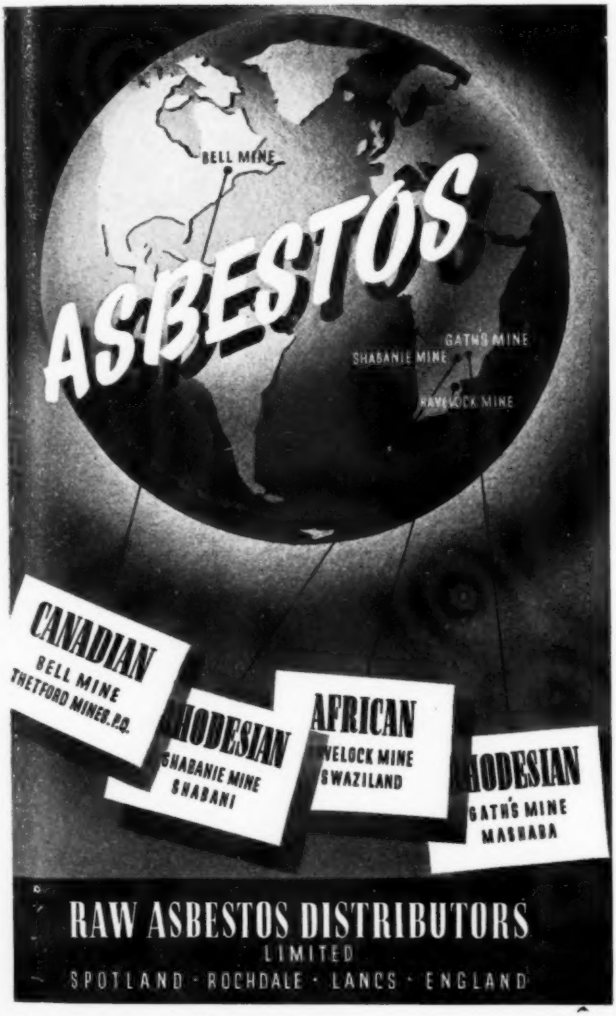
July residential contracts totaled $281,227,000 compared with $332,248,000 in June, and brought the total for the first seven months of this year to $1,914,700,000. During the corresponding seven months of last year residential contracts totaled $243,782,000 in the states east of the Rockies.

The Dodge Corporation reported that 28 per cent of all construction contracts in July was listed as publicly owned, and that 21 per cent of the total for the first seven months of the year was awarded by various municipal, state and federal agencies.

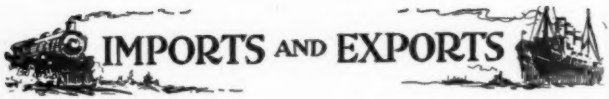
. . . —

Provisions for priorities assistance to prefabricated house manufacturers to obtain materials for use in the fourth quarter of 1946 were made on August 22, by the Civilian Production Administration. Those interested should write either the CPA or the National Housing Agency at Washington, D. C., for Joint Release No. CPA-534.

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Imports into U. S. A.
(Figures by Bureau of Census)

Unmanufactured Asbestos—By Countries	April 1946 Tons (2240 lbs.)
From Canada	31,676
S. Rhodesia	205
Union of S. Africa	610
U. S. S. R.	354
	32,845
Value	*$1,436,959*
By Grades	
Crude No. 1 (S. Rhodesia)	27
Crude No. 1 (U. of S. A.)	134
Crude No. 2 (S. Rhodesia)	178
Crude Sundry (Canada)	7
Amosite (U. of S. A.)	476
Amosite (U. S. S. R.)	354[1]
Textile Fibre (Canada)	1,540
Shingle Fibre (Canada)	3,395
Paper Fibre (Canada)	6,146
Other Grades (Canada)	20,588
	32,845

[1]It seems unlikely that Amosite came from U. S. S. R. Inquiry is being made concerning it.

Manufactured Asbestos Goods:	April 1946 Quantity	Value
Asbestos Yarns		
United Kingdom	6,759 lbs.	$4,489.
Asbestos Packing, Fabric		
Canada	2 lbs.	2.
Asbestos Packing, not Fabric		
United Kingdom	1,061 lbs.	1,131.
Asbestos Brake Lining (Molded)		
Canada	308 lbs.	32.
Acbestos Woven Fabrics (Other)		
United Kingdom	89 lbs.	73.
Asbestos Shingles, Impreg.		
Canada	250 lbs.	12.
Asbestos Manufactures (Other)		
Canada	—	75.
	8,469 lbs.	$5,814.

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ASBESTOS

ARIZONA CRUDE
CANADIAN CRUDE
CANADIAN SPINNING FIBRE
CANADIAN SHINGLE FIBRE
CANADIAN SHORTS
CANADIAN FLOATS
SOUTH AFRICAN BLUE ASBESTOS
SOUTH AFRICAN YELLOW CRUDE

●

Samples, prices and further information furnished upon request.

Stocks of above types are entirely sold out for 1946, but we invite your inquiries for 1947.

Engineering Advice Given
on the
Manufacture of Asbestos-Cement Products

ASBESTOS LIMITED INC.

Works: Millington, N. J.

Executive Offices:
8 West 40th Street **New York 18, N. Y.**

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IMPORTS AND EXPORTS (Contd.)

Exports from United States
Unmanufactured Asbestos

	April 1946 Tons (2240 lbs).	Value
To Union of S. Africa	200	$ 70
Sweden	6	1,028
Mexico	—	213
China	13	1,800
France	950	113,452
	1,169	116,563

Manufactured Asbestos Goods

		April 1946 Quantity	Value
Asbestos Paper, Mlbd. & Rlbd.	Lbs.	31,390	$ 5,710
Asb. Pipe Covg. & Cement	Lbs.	223,563	11,790
Asb. Textiles & Yarn	Lbs.	17,815	8,551
Asb. Packing	Lbs.	333,453	197,393
Asb. Brake Lng. Mld. & Semi-Mld.	Lbs.	206,620	149,124
Asb. Brake Lng. Woven	Lbs.	78,021	33,916
Asb. Clutch Fcgs. M & Semi-Mld.	No.	63,711	29,383
Asb. Clutch Fcgs. Woven	No.	15,326	7,891
Asb. Brake Blocks, M. & Semi-Mld.	Lbs.	24,320	16,117
Asb. Brake Blocks Woven	Lbs.	408	453
Asb. Sheets	Lbs.	1,111,842	41,646
Asb. Roofing	Sqs.	7,256	40,662
Other Asbestos Mfgs.	Lbs.	684,157	89,306
			$631,942

POSITION WANTED

Man experienced at estimating, selling and supervising the erection of commercial and industrial insulation desires permanent position with established contractor. Address Box 9CL-C, "ASBESTOS", 17th Fl., Inquirer Bldg., Phila., 30, Pa.

RAG. MARIO VIACAVA

31, Via Gran Sasso **Milano (Italy)**

Write for samples and prices
for

Super Italian Carded Fibres
Italian Raw Asbestos
Micro-Asbestos, powders and waste

Business Representatives desired.

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JOHNSON'S COMPANY

ESTABLISHED IN 1875

Head Office

Thetford Mines, P. Q., Canada

Mines

Thetford Mines, Quebec
Black Lake, Quebec

Producers of All Grades of

RAW ASBESTOS

AGENTS

GREAT BRITAIN .....A. A. BRAZIER & CO.
203 Winchmore Hill Road
London, N. 21, England

CHICAGO 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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PRODUCTION STATISTICS

Africa (Union of South)

(Figures by Dept. of Mines, U. of S. A.)

Exports by Countries[1]

	1945 Tons (2000 lbs.)	Value
Chrysotile		
Argentine	785	£ 35,604
Brazil	75	2,750
Amosite		
U. S. of America	8,598	210,753
United Kingdom	3,678	62,871
France	354	8,457
Australia	179	3,753
Canada	40	1,007
Sweden	2	45
Transvaal Blue		
United Kingdom	1,247	35,731
India	50	2,250
Palestine	27	1,119
Cape Blue		
United Kingdom	2,918	95,374
U. S. of America	3,100	96,834
France	859	31,761
India	50	1,750
Argentine	25	996
Anthophyllite		
United Kingdom	18	167
Total	22,005	£591,124

Note: The above figures do not include those for the Havelock Mine in Swaziland.

[1]See Page 34 of June 1946 "ASBESTOS" for production figures.

Rhodesia

(Published by Rhodesia Chamber of Mines)

Tons—2000 lbs.

May 1946 ..... 4,644.24 tons
Value £137,243

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Announcing

A NEW ASBESTOS PREPARATION PLANT

Inquiries Invited from All Countries

•

ARIZONA
(Iron Free)
AMOSITE
BLUE
(South African)
(Bolivian)
CANADIAN
CYPRUS
RHODESIAN
RUSSIAN

We have installed the most modern Asbestos Preparation Plant in America. We are in position to supply any of above asbestos fibres suited to your particular use.

•

High strength obtained using our Blue Asbestos in Asbestos cement pipes and corrugated sheets.

•

ASBESTOS INTERNATIONAL CORPORATION

H. S. STEVENSON, *President*
451 Communipaw Ave. Jersey City, N. J.

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PRODUCTION STATISTICS (Contd.)

Canada

(Statistics by Dept. of Mines, Province of Quebec)

Tons—2000 lbs.

	1946	1945
June	47,353 tons	39,269 tons
By Grades for 2nd Quarter	1946	1945
Crude	166 tons	195 tons
Fibres	135,476 tons	61,889 tons
Shorts	83,097 tons	62,144 tons
	147,878 tons	124,228 tons
By Grades for 1st 6 months		
Crude	268 tons	519 tons
Fibres	109,163 tons	117,492 tons
Shorts	140,786 tons	125,379 tons
	250,217 tons	243,390 tons

EVOLUTION OF ASBESTOS ASHTRAYS

Asbestos paper ashtrays were known to some extent before the war. We are told they were the inventive creation of Margaret Hails of the Trayco Company, New York City, who spent much time in experimentation before she perfected the type of tray she wanted—one that would not burn and would not absorb moisture. She found a good sales outlet in large department stores in New York, and a manufacturer who agreed to make the trays.

Then came the war and ashtrays were classified as unnecessary luxuries. The manufacturer had to devote his entire time and capacity to war materials.

But Miss Hails had a new idea—using the trays, in slightly different form as caps for glass jars instead of tin ones which were fast becoming impossible to obtain.

Now that manufacturers can again make peacetime goods, production of the ashtray as originally conceived has begun. The trays are of various designs and colors; leading restaurants and hotels find them useful. The asbestos ashtray has definitely arrived.

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ASBESTON*

Light-weight · High-strength · Low-gauge
Asbestos Fabrics — Asbestos Tape

Textile Division

UNITED STATES RUBBER COMPANY

1230 AVENUE OF THE AMERICAS, NEW YORK 20, N. Y.

*Reg. U. S. Pat. Off.



TEST

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

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

Call on

HARRY L. ACOMB

WAYNE, PA.

for

SYNTHETIC RESINS

Lump ● **Liquid** ● **Powder**

ASBESTOS-CEMENT ASSOCIATES

INCORPORATED

CORIELL BUILDING MILLINGTON, N. J.

ENGINEERING SERVICE
TO THE ASBESTOS-CEMENT INDUSTRY

SPECIALISTS IN HATSCHEK OPERATION
COMPLETE PLANTS DESIGNED AND EQUIPPED
CONSULTING SERVICE ON MANUFACTURING PROBLEMS

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NEWS OF THE INDUSTRY

BIRTHDAYS

Walter G. Benner, Vice President and General Manager, The Nicely Corporation, Philadelphia, Pa., September 17.

W. N. Bolster, President and Treasurer, General Insulation Co., Boston, Mass., September 20.

J. W. Ledeboer 2nd Vice President, Keasbey & Mattison Co., Ambler, Pa., September 20.

C. Stanley Morgan, Detroit, Mich., September 25.

R. H. Temple, Secretary-Treasurer, Thermoid Co., Trenton, N. J., September 25.

W. J. Moeller, Vice President, Philip Carey Mfg. Co., Lockland, Cincinnati, Ohio, September 26.

E. R. Teubner, Jr., President and Treasurer, Philadelphia Asbestos Co., Philadelphia, Pa., September 26.

O. H. Cilley, Asst. General Manager, U. S. Asbestos Division, Manheim, Pa., September 27.

W. H. Fehrs, Assistant to President, Union Asbestos & Rubber Co., Cicero, Ill., September 28.

H. R. Berlin, Vice President, Johns-Manville Sales Corporation, New York City, September 28.

J. M. High, The Ruberoid Co., New York City, September 28.

O. P. Hennig, President, Hennig Asbestos & Packing Co., Chicago, Ill., October 3.

W. W. Dunkin, Treasurer, Southern Friction Materials Co., Charlotte, N. C., October 5.

Harry E. Smith, General Manager, The Manhattan Rubber Mfg. Division, Passaic, N. J., October 8.

Russell E. Crawford, Secretary, Ehret Magnesia Mfg. Co., Valley Forge, Pa., October 9.

P. C. Rowe, Executive Vice President and Director, The Flintkote Co., New York City, October 9.

John H. Victor, President, Victor Mfg. & Gasket Co., Chicago, Ill., October 9.

A. L. Penhale, Sales Manager, Asbestos Corporation Limited, Thetford Mines, P. Q., Canada, October 11.

R. Tomlinson, President, Pacific Asbestos Supply Co., Portland, Ore., October 12.

W. W. F. Shepherd, Chairman of the Board, Keasbey & Mattison Co., Ambler, Pa., (Residing in England) October 13.

Thomas D. Stone, President, Stone Industrial Equipment Co., Springfield, Mass., October 14.

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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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R. H. Shainwald, President, Plant Rubber & Asbestos Works, San Francisco, Calif., October 15.

David E. Kelley, President, Kelley Asbestos Products Co., Kansas City, Mo., October 16.

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

UNARCO PURCHASES PLANT AT EARLVILLE, ILL.

The War Assets Administration has approved the sale of the Earlville hemp plant at Earlville, Ill., to the Union Asbestos & Rubber Co., which will convert it to the manufacture of asbestos packing and various forms of high temperature heat insulation products. The plant was one of a number built by the government in the Middle West for producing hemp after the Philippine supply was shut off early in the war. Considerable acreage was given over to the cultivation of hemp in the Earlville area.

The acquisition will give Union Asbestos & Rubber Co., its third plant in Illinois, the other two being in Blue Island and Cicero. A fourth plant is located at Paterson, N. J.

WORLD BESTOS BRAKE LINING PLANT NOW IN INDIANA

The moving of all World Bestos brake lining operations to its new plant in New Castle, Ind., was completed on July 1, 1946. Operations at the original plant at Paterson, N. J. continue, but production at that location will be restricted to plastic items, particularly screening, cordage and fabrics. Since the Paterson plant is located in a textile center, it is especially suited for that type of work.

Similarly the New Castle location, now devoted exclusively to brake linings and like items is in an automotive parts producing area. Floor space at the New Castle plant is much larger than was previously the case at Paterson, providing ideal manufacturing facilities for the increased production scheduled. Much new and improved equipment has been purchased and installed at New Castle to further contribute to the expansion program now under way at World Bestos.

Management headquarters of World Bestos is also at New Castle. Key personnel now located there include D. H. Spicer, President; W. J. Nanfeldt, Vice President; and L. G. Kersgard, Replacement Sales Manager.

— . . .

THE GUATEMALAN GOVERNMENT has reduced from 0.06 to 0.03 quetzal per gross kilogram the import duty on asbestos packing for insulation purposes. The decree effecting this change was issued on June 10th, and was published in the official newspaper June 21, 1946.

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FIBERGLAS ASBESTOS LAGGING TAPE by FAIRHOPE FABRICS



95% of Ships' Pipe Lagging can NOW be covered by Fiberglas Asbestos Lagging Tape and Spiral-Lag All Cotton Tape. Spiral-Lag Cotton Tape can be utilized for work up to 500 degrees. Fiberglas Asbestos Lagging Tape can be used for temperatures of 500 to 1100 degrees.

8 Ways Better Because . . .

1. *It requires no sewing.*
2. *Wraps quickly and neatly.*
3. *Especially good around corners and angles.*
4. *Saves considerable manpower.*
5. *The cement used leaves a size finish which requires only one coat of paint.*
6. *Spiral-Lag All Cotton Tape comes in 4" and 6" widths.*
7. *Fiberglas Asbestos Lagging Tape comes in 3", 4" and 6" widths.*
8. *Due to its unique open mesh construction, cement goes through the mesh making tape and insulation one continuous mass when it dries.*

The "modern" method of insulation is to cover magnesia, aircell, or rockwool insulation with Spiral-Lag All Cotton Tape (for low temp.); and our new Fiberglas Asbestos Lagging Tape (for high temp.). It's as simple as this . . .

- **Wrap Spiral-Lag Tape around the insulation *dry*.**
- **Apply adhesive mixture over the Spiral-Lag Tape.**
- **Just one coat of paint is all it requires.**

Spiral-Lag and Fiberglas Asbestos are the Lagging Tapes with the unique "give" which allows them to be wrapped snugly and tightly around the insulation, enabling them to be used at elbows, fittings, etc.

Send for sample and further information. No obligation of course.

Spiral Lag Tape

MANUFACTURED BY

FAIRHOPE FABRICS, Inc.

Industrial Fabrics Division — **STEVENS STREET, FALL RIVER, MASS.**

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CAREY PROMOTIONS

Laurence W. Clark, formerly manager of the New York Branch of the Philip Carey Mfg. Company, has been promoted to General Sales Manager with headquarters at the company's general offices in Cincinnati.

This fills the position recently vacated by C. L. Owens who resigned after 19 years' association with the company to go into business for himself.

Mr. Clark is a graduate of Annapolis and served as a line officer in the U. S. Navy until 1919 when he resigned to enter the building field in engineering and sales capacities. In 1935 he joined the Carey New York Branch as manager of its insulation department, and was made Manager of the New York Branch about 1937.



Left—
Laurence W. Clark

Right—
David P. Seaman



David P. Seaman who has been engaged in building activities in the New York area many years and with the Carey Company since 1944, will succeed Mr. Clark as Manager of the New York Branch.

ASBESTOS CORPORATION LIMITED. Major Peter Riordon, RCA, now engineer at Vimy Ridge Mine, recently returned from overseas, having spent six years with the Canadian Army.

Captain P. E. Leclerc has rejoined the sales staff of Asbestos Corporation Limited, after service of five years with the Canadian Army (Overseas).

Captain M. Michaud, RCE, has returned to his position as engineer at King Mine, having completed five years service with the Canadian Army (Overseas).

RAYBESTOS-MANHATTAN, INC., has been awarded a certificate of honorable mention by the Financial World in recognition of the progress reflected in its 1945 Annual Report to Stockholders, as compared with that of a decade ago. The Company received a similar award in 1944.

This is the sixth annual survey conducted by The Financial World. Over 3,000 "Annual Reports" were entered in the survey.

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SMITH & KANZLER CORPORATION

MANUFACTURERS OF

ASBESTOS PAPER

AND

LOW PRESSURE INSULATIONS

ESTABLISHED 1920

LINDEN, NEW JERSEY

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CANADA SUSPENDS CONTROLS

Price controls on asbestos protective clothing, including gloves and gauntlets and asbestos protective headwear, were suspended on August 19th.

We understand that controls have also been lifted on mechanical packings. Up to time of going to press, however, asbestos building materials, insulation, etc., are still under price control in Canada.

LESTER KIRSCHBRAUN RETIRES

Lester Kirschbraun, Vice President in Charge of Research of The Flintkote Company, has resigned as an officer of the Company and is moving to California, where he will be less active than formerly in research for Flintkote, but will, according to I. J. Harvey, Jr., President, "continue with the Company, so that we expect to enjoy for many years the benefits of his valuable experience in the research and development of our increasingly broader lines of building materials, industrial products for maintenance and new construction, asphalt tile wall and floor coverings and paperboard products."

Mr. Kirschbraun, in charge of Flintkote research since 1918, is an outstanding scientist with a record of more than 200 patents filed in his name.

MacARTHUR GETS NEW JOB AT CAREY

Roger A. MacArthur has been appointed Assistant Director of Research at The Philip Carey Mfg. Co., according to announcement by H. W. Greider, Director of Research for the company.

Mr. MacArthur joined the Carey Research Laboratory staff in 1930 and has specialized in development of the company's magnesia, mineral wool, asbestos-cement, Careyduct and other building materials and heat insulation products. A graduate of M. I. T., he was also formerly associated with the Mellon Institute of Industrial Research. During World War II Mr. MacArthur was in charge of the radar course and later Director of the Department of Engineering of the Coast Artillery School with the rank of Colonel, at Fort Monroe, Virginia, rejoining the Carey organization upon release from service in December, 1945.

• • • —

GERD M. BLOOMFIELD, until 1938 General Manager of Frankfurter Asbestwerke, Frankfurt, Germany, and for the past 6 years Research Engineer with Union Asbestos and Rubber Company of Chicago, has taken leave of absence to accept a temporary appointment as Scientific Consultant with the Technical Industrial Intelligence Branch of the Military Government in Germany.

THERMOID COMPANY is now constructing a new plant at

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Nephi, Utah for the manufacture of automotive and industrial rubber products.

THE RUBEROID CO. A dividend of 50 cents per share has been declared on the capital stock of the corporation, payable September 25 to stockholders of record at the close of business on September 10, 1946. Dividends of 25 cents per share were paid previously this year on March 25 and June 25.

ARTHUR HOOD, formerly Director of Dealer Relations for Johns-Manville has recently been elected Vice President of the Vance Publishing Company and Editor of the American Lumberman. In his new work, Mr. Hood will carry on his philosophy of "package merchandising" in the light construction industry which he started in 1928. Mr. Hood was associated with J-M for 13 years.

ASBESTOS CORPORATION LIMITED. Directors have declared a dividend of 20c a share plus a bonus of 10c payable on September 30, to record September 6th. During the current calendar year the company will have paid, including this present dividend, 60c plus 30c bonus, in dividends, a total of 90c. In 1945 the company paid $1.40 including extras, and in 1944, $1.00 including extras.

RUBBER, ASBESTOS & FLOORINGS, LTD., with Registry Office at 9 Warehouse Hill, The Calls, Leeds, 1, England has been formed to carry on the business of manufacturers of and dealers in asbestos, asbestos cloths and yarns, insulatings and jointings and rubber flooring manufacturers. This information has been gleaned from the India Rubber Journal. Directors are: Peter C. Sinclair, 41 Specton Ave., Horton Bank Top, Bradford, and Miss Irene M. Fielding, 120 Bradford Road, Brighouse, England.

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 issued, name of patentee and name of invention.

Method of Obtaining Magnesia and Potash from the waters of the Great Salt Lake. No. 2,404,550. Granted on July 23, 1946, to Alfred M. Thomsen, San Francisco, Cal. Application November 5, 1941. Serial No. 417,954. Further description upon request.

Roofing Material. No. 2,404,994. Granted on July 30, 1946 to Isidor Supack, Bronx, N. Y. Application May 27, 1944. Serial No. 537,634.

Roofing material, comprising a flexible sheeting strip having an internal wire mesh layer, asbestos fibre layers against the faces of said wire mesh layer, a plurality of longitudinally and laterally spaced water and heat proof sheets positioned on

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the outer faces of said asbestos fibre layers, and asphaltum outer covering extending over said water and heat proof sheets and thru the pores of said asbestos fibre layers at the areas between the adjacent edges of adjacent sheets of said water and heat proof sheets.

Insulated Pipe. No. 2,405,021. Granted on July 30, 1946 to Albert A. Durant, Honolulu, Hawaii. Application June 7, 1944. Serial No. 539,084.

The method of making protected pipe which comprises covering a length of pipe with heat insulation, positioning a metal sheet along the length of said pipe substantially concentrically about but in spaced relation to said covered pipe, said sheet being tubular in cross section with the adjacent longitudinal terminal edges thereof being parallel and closely adjacent but spaced apart to provide a narrow slot-like opening into the space between said tubular sheet and the covered pipe, said opening extending along the length of the covered pipe length, placing temporary seals at the end of the sheet metal tube, pouring a bituminous material into the space between a sheet and the covered pipe thru said narrow slot-like opening, removing the temporary seals, positioning a separate cover member over said slot-like opening, joining said sheet edges together to enclose said pipe along the covered length thereof, and pressing the engaged edges of the cover member and tubular sheet to lock them permanently into position.

Roll Supporting Device. No. 2,405,446. Granted on August 6, 1946 to Lewis Perrault, Tulsa, Okla., assignor of one half to Philip Carey Mfg. Co. and one half to Perrault Brothers. Application November 2, 1943. Serial No. 508,690. A pipe wrapping device.

RUBBER CEMENT

FOR

ASBESTOS PACKINGS

RUBBER & ASBESTOS CORP.

25 CORNELISON AVENUE

JERSEY CITY 4, N. J.

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MARKET CONDITIONS

(Continued from Page 18)

item has permitted an increase in price of about 15%.

Asbestos-Cement Products. Labor conditions are somewhat improved in this market altho further production increases are limited by delay in delivery of additional equipment. Demand, however, still far exceeds supply and material is used as fast as it can be shipped. Face nails for siding are scarce.

The corrugated and flat sheet market continues to be oversold for the balance of the year.

All types of asbestos-cement pipe continue in large demand.

The above represent the opinions of various executives who are closely in touch with the field conditions. Comments from all readers are always welcome.

. . . —

Alien Property Custodian James E. Markham has announced the availability of five patents seized from enemy nationals on machinery for producing narrow fabric types which are used in the insulation of certain types of electric wires. Those interested should write the Patent Use and Development Section Office of Alien Property Custodian, Washington, 25, D. C. for press Release APC-48.

Abstracts of the five patents and 43 other seized patents in the fields of textiles, braiding, netting and lace making may be obtained by sending 10 cents to the above address.

. . . —

Creation of the National Distribution Council was announced on August 13th by Secretary of Commerce, Henry A. Wallace. This Council was formed for the primary purpose of helping American industry improve its distribution capacity and efficiency. Raymond Bill will serve as Chairman of the Council; he is President and Editor of Sales Management in private life.

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AFTERTHOUGHTS

¶ Fire Prevention Week will be celebrated October 6th to 12th. October 9th is the 75th Anniversary of the great Chicago Fire.

¶ Total railroad fire losses for the United States and Canada were somewhat over $7,000,000 for 1945, representing a decrease over 1944, according to the National Fire Protection Association.

¶ You who make (or sell) corrugated asbestos-cement sheathing send us stories of the use of this formerly utilitarian material for decorative purposes or artistic effects. Photographs with the stories can be used. We have two such "tales" one of which is planned to go in the October number.

¶ An inquiry from Finland asks for the names of suppliers of asbestos textile machinery,—particularly a Vertical Opener and a Spinning "Flyer". Secondhand would be accepted. Anyone interested can obtain the name of the inquirer by writing us.

¶ We would like to know whether readers find useful the various charts which are published from time to time on our Contractors and Distributors Page. If so, we can probably obtain more of them. One appears this month on page 20.

¶ A new type of oil seal packing, developed by the J-M research laboratories for the protection of bearings has been announced. The new product is known as Clipper Seal and is made with a heel of resin bonded fabric giving it the rigidity essential for a press fit in the cavity and with a lip of a tough but soft flexible compound. Neither metal nor asbestos is used in its construction.

¶ Fireswise Communities + Firesafe Design + Firesafe construction + Firesafe Equipment + Firewise Families = FIRESAFE FAMILIES.

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BOOK LIST

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.

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

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

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: A Magic Mineral, by Lilian Holmes Strack. Written especially for school children but every Asbestos Library should have a copy. $1.00 per copy. (This book has been out of print but is now again obtainable.)

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



INSULATION—the logical medium to reach insulation contractors with your sales messages.

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CURRENT RANGE OF PRICE

As of September 10, 1946

Canadian—	Per Ton (2000 lbs.) f.o.b. Mine		
Group No. 1 (Crude No. 1)	$650.00	to	$800.00
Group No. 2 (Crude No. 2; Crude Run-of-Mine and Sundry)	165.00	to	495.00
Group No. 3 (Spinning or Textile Fibre)	124.00	to	286.00
Group No. 4 (Shingle Fibre)	62.50	to	99.50
Group No. 5 (Paper Fibre)	44.00	to	59.00
Group No. 6 (Waste, Stucco or Plaster)	33.00	to	39.00
Group No. 7 (Refuse or Shorts)	14.50	to	34.00

Vermont—	Per Ton (2000 lbs.) f.o.b. Mine (In U. S. Funds)		
Shingle Stock Fibres	$62.50	to	$65.50
Paper Stock Fibres	44.00	to	54.00
Waste			33.00
Floats			19.50
Shorts	14.50	to	28.50

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.

ASBESTOS STOCK QUOTATIONS

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

		August 1946		
	Par	Low	High	Last
Armstrong Cork Co. (Com.)	np	51⅝	58⅛	53¾
Armstrong Cork Co. (Pfd.)	np	105	110	109½
Asbestos Corp. (Com.)	np	26	29	26
Asbestos Mfg. Co. (Com.)	1	4	5	4½
Celotex (Com.)	np	27¾	33¾	29
Celotex (Pfd.)	20	21	22¼	21½
Certainteed (Com.)	1	20⅛	25⅝	21¾
Flintkote (Com.)	np	33¼	39¾	34⅜
Flintkote (Pfd.)	np	110	114½	112¾
Johns-Manville (Com.)	np	130	141½	132½
Johns-Manville (Pfd.)	100	120¼	130	130
Raybestos-Manhattan (Com.)	np	39½	47	41
Ruberoid (Com.)	np	50½	56	51
Thermoid (Com.)	1	13¼	14⅞	13⅝
Thermoid (Pfd.)	50	56½	61	60
U. S. Gypsum (Com.)	20	113¼	124	116⅝
U. S. Gypsum (Pfd.)	100	200	205	203
U. S. Rubber (Com.)	10	62½	75	65⅛
U. S. Rubber (Pfd.)	100	170	175	175

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THERMAL INSULATIONS *by Ehret*

FOR EVERY INDUSTRIAL NEED

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

ENDURO . . . Used for temperatures from 600° F to 2000° F. Also in combination with 85% Magnesia.

D. I. P. . . . Pre-sealed, factory-fabricated and insulated units for underground pipe lines.

VALLEY FORGE PACKINGS . . . A complete line of Asbestos, Rubber, Flax, and Rayon packings for every purpose.

ALSO, Low Pressure Coverings, Hair Felt, Mineral Wool, Asbestos Paper, Millboard and Insulating Cements.

EHRET MAGNESIA MANUFACTURING COMPANY

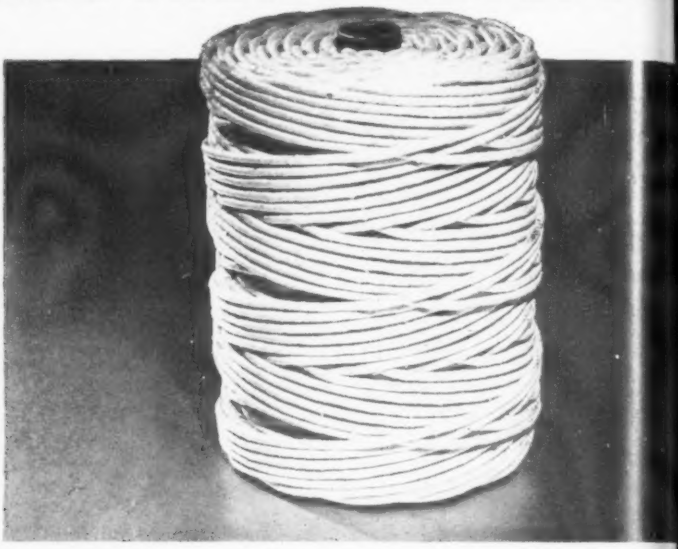
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Ehret's 85% Magnesia and other heat insulating materials are fully treated, both as to selection and application, in the Ehret Insulation Handbook, which will be sent free upon request.

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Uniform in diameter, smooth, and with high tensile strength, Southe
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plain and metallic hose, packing, glass, etc. It is made in vario
constructions according to service needs.

Southern also produces Asbestos Thread designed to individu
needs. Write for Cord and Thread Folder No. 1002.

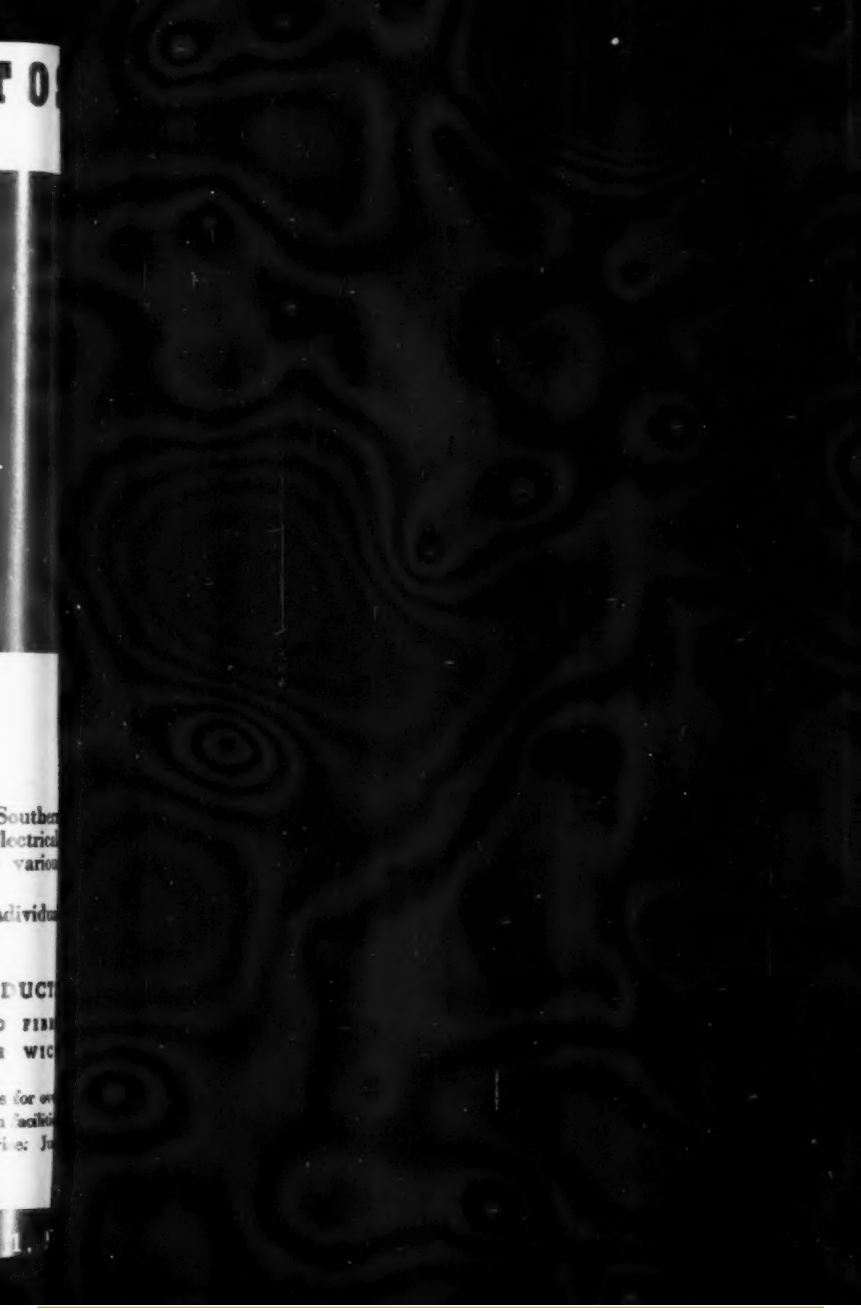
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