ASBESTOS



Laying Asbestos-Cement Pipe

JULY - 1949

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THE STRIKE IS OVER.

Our readers will be relieved to know that the strike in the Canadian Asbestos Mines is over.

At the Thetford Mines properties of Asbestos Corporation, Johnson and Flintkote, the men went back to work on June 28th. Other Mines in that section were not affected. The situation at the Canadian Johns-Manville Mine at Asbestos, Que., was somewhat more complicated but the men did go back to work on Monday, July 4th. The strike was really settled on June 30th, but as Friday, July 1st was "Dominion Day" (a national holiday in Canada), the men did not report for work until the following Monday.

The long drawn-out strike (it began February 13th) was not primarily concerned with wages or working conditions, which could have been settled by collective bargaining without a strike, but in this case the Union took a revolutionary attitude in trying to assume certain management personnel functions which involved questions of property rights and private ownership.

Altho the backlog of orders for raw materials is considerable, it will soon be reduced and customers will be able to obtain raw material without very much delay.

TOOL WANTED

An inquiry has reached us for "a machine for the application of tie wires on insulation, particularly on pipe covering".

This required some little search and to date we have learned that

1. A rather large insulation contractor says his men use nothing but a pair of pliers.

2. That there is a tool, or machine for applying tie wires or metal strapping on boxes or crates, but they have never found it to be satisfactory on pipe covering.

Can any of our readers offer suggestions supplying the name and address of the manufacturers?

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THE COVER PICTURE

The photograph on our cover is changed at frequent intervals and July is the month scheduled for a change.

We wanted to depict asbestos cement pipe in some form or other, and appealed to Johns-Manville as they were the pioneers in the manufacture of this material in the United States.

The picture supplied shows 18″ pipe being laid in the bottom of a trench in Central New Jersey, on a project which required 62,000 feet of 10 to 30″ pipe.

Asbestos-Cement Pipe has been found ideal for use where an acid condition exists. Its use during the war as a substitute for the then almost unobtainable metal pipe, gave it a boost and brought it to the attention of its public as nothing else, not even an intensive advertising campaign, could have done.

WE ARE SETTLED

In Our New Offices

We moved on June 20th as planned, and are now settled in our new offices at 808 Western Saving Fund Building, S. E. Corner of Broad and Chestnut Streets.

The moving was accomplished with no more than the usual number of annoyances and delays. Much of our mail is still reaching us via the Inquirer Building—check up with your various departments and see that they know and use our new address. Altho we sent notices to practically everyone besides publishing the new address in our June issue, we find that in many instances the old address is being used. It shows how unobservant we mortals are.

The new offices are very comfortable—even in the hot weather which greeted us the first week.

Our readers are urged to drop in when in Philadelphia —it's very convenient now.

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BORE CONSTRUCTION

Asbestos Essential

By F. R. Cozzens

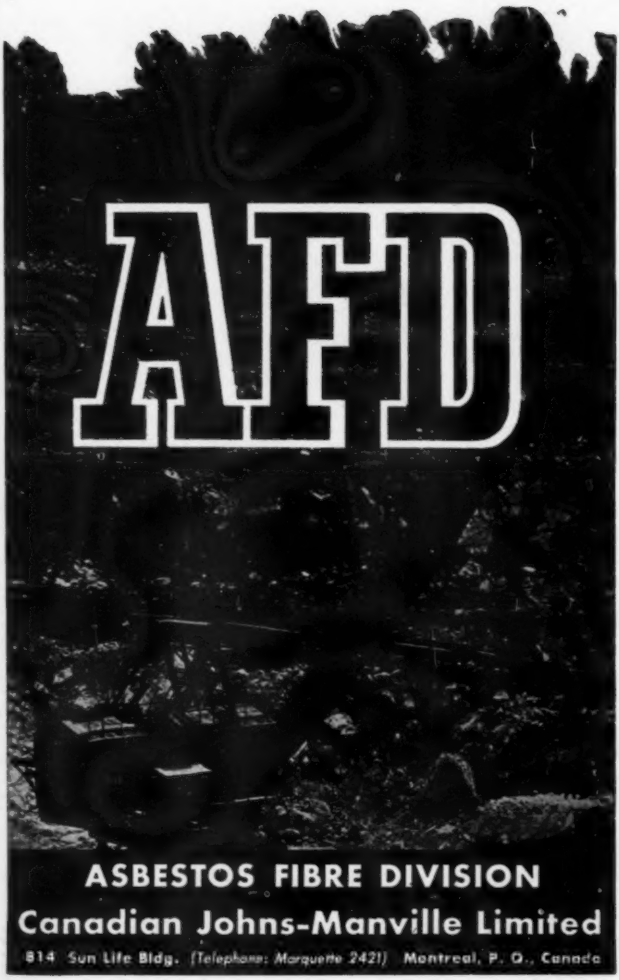
Wherever man bores into the earth in search of mineral deposits, his exploratory route must be structured towards a definite goal. Earth bores are sunk, generally for the production of oil and gas, but also for defining the outlines of coal, salt and nitrate beds, and for determining the presence of certain ores in geological formations. Bores vary in size, from diameters, 10 to 36 inches at the top, to diameters, 3 to 6 inches at the base; and often attain depths exceeding 10,000 feet.

During the sinking of bores, the drill frequently encounters water reservoirs which must be sealed off with metal casings; seated in, and backed-up with liquified mixtures, known as 'slurries'. Between water reservoirs, the drill also encounters and passes thru various formations, the walls of which, can often be slurried, and so supported without running extra strings of casing. Since the average bore requires wall protection thru 85% of its course, this percentage of supported wall in deep bores often means the construction-expenditure of thousands of dollars, much of which can be saved by the use of slurries alone.

Practically all bore slurries contain asbestos in some form, and in many of them asbestos is the most important item.

The principal reasons for asbestos content in slurries are: First, to hold other ingredients in more uniform suspension while the mix is being inducted; second, to provide more effective plugging action thru expansion; third, to provide resilience after the mixture has solidified, and to increase its resistance to chemical actions of sub-surface compounds. A typical basic slurry is composed of 3 pounds bentonite; 1 pound soda (bicarbonate); 2 quarts (measured) asbestos dust; to each 100 pounds of beat cement, mixed dry, and sufficient water added to render it to the consistency of paste. Some slurries are used cold; others (containing resins, etc.) are heated,

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and applications are made by spray gun or bailer.

In the process of drilling a bore, the need for slurries may occur unexpectedly, and at any depth. All ingredients are therefore, kept available on the job. When a formation, receptive to slurry is drilled thru, a quantity (100 to 1000 gallons) of the mixture is prepared. The dart or valve at the bailer base is removed and replaced with a spray gun. Bailer gun combination is then filled with slurry, and lowered thru the bore to the desired depth, where a mechanical device trips the gun, allowing contents to jet vigorously in all directions against the walls. Empty bailer is returned to the surface for refilling, and the same 'gunning' practice continues until the desired length of bore wall has been treated. After the solidifying period (about six hours) drilling is resumed. Anywhere from one to one hundred separate stretches of bore wall require slurry treatment before a bore is completed, and if the bore is to be kept open for months or years, as in oil or gas wells, a string of small diameter pipe is inserted to the bottom.

In slurry mixtures used in sealing or seating casing, short fibre asbestos replaces asbestos dust; and plugs of fibre alone are often forced into minor water channels along the bore face. Besides providing desirable expansion features, asbestos plugs remain reasonably free of bacterial growth and sludge.

In bore testing for the presence of certain ores in deep formations, a mass of asbestos wicking is often tamped into the bore, at a specified depth with the drill. After the wicking has absorbed sufficient fluid thru capillary action from the walls of the prospective formation, the wicking is drilled out, and segments taken for laboratory analysis. In other cases, it is more expedient to slightly crumble the face of the formation with light, but concentrated charges of explosives (usually nitroglycerine). These charges are 'sealed-in' top and bottom, by waddings of asbestos fibre. Formation particles, for analysis, are taken out by bailer. 'Smears' of fluids, identity and content of which, often require research study, are sometimes extracted from very deep bores by

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asbestos swabs, attached to the bailer-dart. Needless to mention all deep bore operating equipment is provided with asbestos packings, gaskets and rings.

In bore construction, it is also fortunate that various refuse and miscellaneous asbestos materials, such as odds and ends of millboard plaster, roofing, pipe covering, etc., when finely pulverized, can be used as filler around, and between strings of casings; for temporary bore bridges; and for rendering certain clays to a more effective bailing out stage. These uses provide a modest demand for otherwise unsalable 'scrap'. Demands for this, and for the divers other asbestos materials are quite certain to increase with the coming years because the search for new mineral reserves is endless, and bore testing for this type of treasure is gaining in popularity wherever exploratory efforts are carried out.

INSULATION PROBLEM

We thought we received the oddest inquiries but the Philadelphia Asbestos Company had one the other day which tops the list.

An automobile repair man telephoned them that he wanted some sort of insulation for the floor of a car. It appears that he had a request from, so he said, "two old maids" who were going to drive to California this summer. They told him they intended driving most of the way in their bare feet and wanted the floor boards of the car insulated. The repair man didn't know a thing about insulation, so he appealed to the Philadelphia Asbestos Company.

So far neither the company nor the repair man have been able to work out a satisfactory answer, altho the Company has suggested several things. Perhaps some of you readers will have suggestions. If so we shall be glad to have them and pass them along to the Company.

• • • —

It has been said of the world's history hitherto that might makes right. It is for us and for our time to reverse the maxim and to say that right makes might.—*Abraham Lincoln.*

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Carey

ASBESTOS

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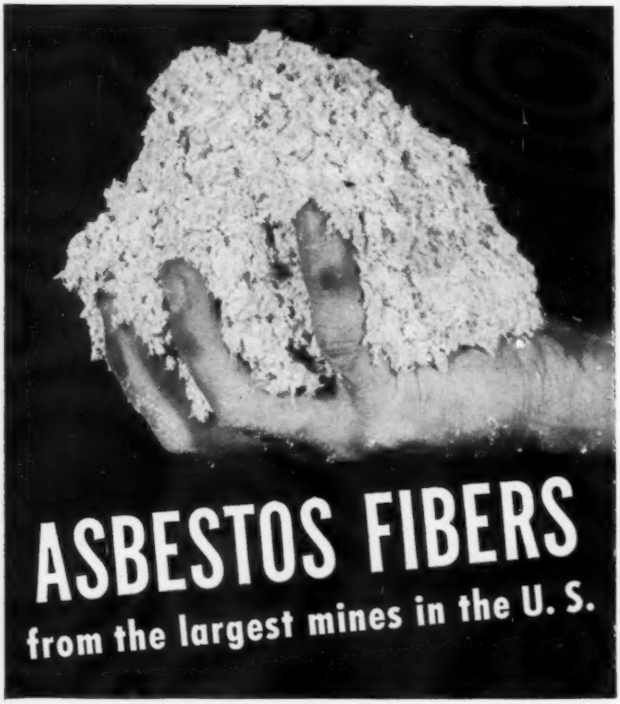
BASIC RESEARCH AT J-M RESEARCH CENTER

The first step in every product development program is to ascertain the basic properties of the materials available and the conditions of use. With this information the development technician may make an intelligent choice from the available possibilities and lay out his plan of attack. Much of this basic information is available in handbooks, technical publications, and the like, but in certain instances it is necessary to develop the underlying facts before the program can proceed. It is the responsibility of the Basic Research and Testing Department of the Johns-Manville Research Center to provide information about the properties of materials and the environment in which they are used.

Frequently the development of basic information is a long and tedious process. It is, therefore, of the greatest importance that the need be recognized well in advance, so that when the development of a specific product begins the background information will already be at hand. Obviously, this is not possible in all cases because of the great variety of information required and because frequently new applications and new problems occur unexpectedly. However, by close collaboration with the product development groups, requirements can usually be anticipated. For cases in which the information is not immediately at hand, the personnel and facilities necessary to obtain it will be available for prompt action. Despite all this it frequently requires from 7 to 10 years of hard work from conception of an idea to commercial production.

Basic research should not be confused with what is frequently known as fundamental research. Fundamental research is usually undertaken without any distinct practical objective, and is normally the province of University or Government laboratories. Basic research customarily has a practical objective, altho this practical objective may not be specifically defined. The ultimate

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tensile strength or the specific heat of a fibre, the mechanism of heat or sound transmission under varying conditions, the characteristic chemical compounds formed under diverse conditions, are all types of basic information which have ultimate practical value to Johns-Manville. These are accordingly, suitable objectives for basic research at the Research Center, even tho there may be no problem at the moment that requires these particular facts for its solution.

Because of the large number of products produced, the even larger number of raw materials employed, and the incredibly diverse conditions of use which these products encounter, there exists a bewildering variety of problems in basic research of future as well as current utility. The choice is necessarily somewhat arbitrary. It is governed primarily by the potential scope of usefulness, and by the availability of trained personnel and and suitable test facilities. The object is to select, if possible, basic research projects that will serve a number of different fields of appllication and those that can be successfully carried out with available facilities and personnel. In many instances, the product development groups are able to provide important assistance. In other cases the enlistment of outside laboratories or laboratory consultants may prove desirable.

Three current projects illustrate the nature of basic research. The first of these is a study of the fundamental causes of brake noise, or "squeal." Many efforts have been made to cure this noise, by all sorts of methods. Attempts have been made to redesign the braking mechanism, to load it or to damp it, or to alter the formation of the brake lining or of the brake block. The belief of basic research personnel at the Research Center was that the history of these "hunch" methods indicated that a solution could be obtained only by understanding the fundamental physics of the problem. In order to simplify experimental work, a small model was built in which a tiny section of brake lining about half an inch wide and one inch long rubs against a typical cast-iron

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surface. By means of a mechanical vibrator this block is driven back and forth across the iron surface with a cyclical motion. Wire strain gages are used to measure the forces generated, and a visual record is obtained by means of a Cathode Ray Oscilloscope.

In any such problems, the first step is the duplication of the phenomenon involved and the ability to reproduce it at will. This problem was successfully solved. In fact, several different typical forms of brake squeal have been



Fundamental studies of the nature of the vibrations that cause brake "squeal" are made on this equipment which includes a tiny model of the mechanism in which the squeal originates.

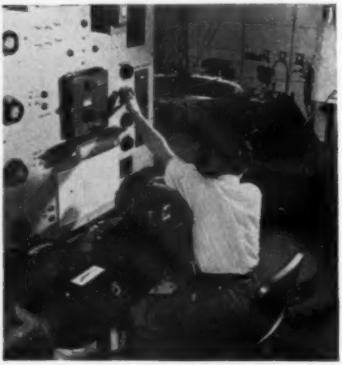
identified. The basic nature of the excitation has been established and the mathematical theory worked out. It is now possible to state in general terms what causes any form of brake noise. As a result, a powerful tool is made available for the study of potential remedies.

Another basic problem that has received considerable attention is the mechanism of heat transmission thru thermal insulating materials. A body of information was already available on the thermal conductivity of a wide variety of materials. With this information, an accurate engineering job could be done in the application of these materials. It remained, however, to establish the basic reason for the superiority of one material over another, and, in particular, to be able to predict how materials behave at different temperature ranges and in the pres-

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ence of different heat transfer mechanisms.

In order to understand the mechanism of heat transfer, it is necessary first to know whether the transfer occurs by conduction, by radiation, or by convection. Since the mode of transfer is governed to an important degree by the temperature or by the temperature gradient, it is useful to conduct experiments at exceedingly low temperatures. Apparatus has been built which will measure heat transfer thru insulations at temperatures as low as —300°F.



Control panel of equipment used in measurement of thermal conductivity of insulations

Conduction and convection vary with air density. For this reason, the apparatus was also designed to accommodate a large range of pressures. Experiments have been conducted to date at pressures down to .10 a millimeter of mercury. This work is still in its early stages, but enough has been done already to show that some of the commonly accepted theories on heat transfer will require modification in order to account for the results obtained.

Still another important field of basic research at the Johns-Manville Research Center is in the chemistry of portland cement. Altho it is not generally known, Johns-Manville is the largest industrial user of portland cement. One of the principal applications is in the numerous

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asbestos-cement products: shingles, boards, sheathings, and pipe. Because these products must be made to close manufacturing specifications, accurate control of cement hydrolysis is of vital importance. Under the guidance of the various interested development sections, a long-range program has been established to study the chemistry of these reactions.

The initial undertaking is to determine and to be able to identify the chemical compounds formed under various conditions of cure. Fortunately, a completely equipped X-Ray Diffraction laboratory has long been a laboratory facility. Since nearly all of these chemical compounds are crystalline in nature, identification by X-ray Diffraction is readily possible. However, standard X-ray Diffraction patterns are not available for the identification of the cement ingredients. It is, therefore, necessary to synthesize these ingredients by laboratory means and to prepare samples of sufficient purity that the characteristic pattern may be obtained. Apparatus has been constructed for this purpose and certain compounds have been successfully prepared.

A long term program of research will be involved before all of the possible chemical combinations and conditions of cure can be examined. However, when this has been done it will be possible to utilize completely the potential strength of portland cement and thus produce a stronger, tougher, lighter, line of asbestos-cement products.

. . . —

¶ New applications for Quinterra asbestos paper (made by Johns-Manville and fully described in "ASBESTOS" some months ago) are constantly being found. One in prospect at present is for permanent, non-combustible records; another, for colored creped types for decorative purposes, such as in night clubs, to avoid fire hazards.

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ASBESTOS PRODUCTION

XI. South America

Some asbestos has been produced in several countries in South America from time to time, but the records are far from complete. The only South American countries listed by the U. S. Bureau of Mines as producers of asbestos are Argentina, Bolivia, Brazil, and Venezuela. Scattered references to deposits in Chile, Peru and Uruguay are found.

Tables of Production, taken from the Yearbook Chapters of the U. S. Bureau of Mines, give the following figures: (Note that Bureau of Mines figures are *metric tons* which we have converted to short tons, in the tabulation below.)

	ARGENTINA	BOLIVIA	VENEZUELA	BRAZIL
1923	4			
1924				
1925				
1926	42			
1927	1			
1928				
1929				
1930				
1931				
1932	7			
1933				
1934				
1935	14		83	
1936			78	
1937		23		
1938		23		
1939	121	2		132
1940	165	78	22	551
1941	92	232		14
1942	56	64		
1943	384	24		
1944		14		
1945		67		

In searching for information on the production of asbestos in South American countries, we ran thru our index of articles published in "ASBESTOS" and were really sur-

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ASBESTOS-CEMENT ASSOCIATES
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FOR

ASBESTOS CEMENT PRODUCTS
ASBESTOS MILL BOARD

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DRYCOR FELT COMPANY
STAFFORDVILLE, CONN., U. S. A.

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prised that we had published so many small items on the subject.

These all add up to several conclusions: that South American countries produce very little asbestos of high quality; most of it is of the amphibole type; what little chrysotile is produced is mostly harsh, and only two types have been outstanding—the chrysotile from Venezuela and what is popularly known as Bolivian Blue.

The Venezuelan product is used we understand by manufacturers of asbestos-cement products in South America, of which there are several. The Bolivian Blue, which has often been mentioned in our pages, has been exported to some extent, but we have never been able to find out the purpose for which it is used. It is soft and silky but has no strength. A peculiarity of this blue asbestos fibre is that it has no rock matrix, but is dug, so we are told, right out of the earth. We have specimens of both these types.

In the table above, Argentina would appear to be the largest producer of asbestos in South America, but we have no specimens from that country.

There are a number of manufacturers of asbestos-cement products in South America, some quite large and instances either alone or more probably mixed (blended) with other types of asbestos. Our list of South American manufacturers shows no makers of asbestos textiles.

We hope some of our South American subscribers, of whom we have several, will write us correcting any erroneous statements which have been made in the above, and give us all the data they may have, particularly as to what asbestos deposits in South America are being operated at present.

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WELL-SUPPORTED SALESMEN ARE WINNERS

A Lesson in Selling.

Sometimes I think there are only two kinds of salesmen: those who work for companies who stand behind them (these are good salesmen, good producers) and those who work for outfits which expect their salesmen pretty much to shift for themselves (these are usually poor salesmen, judged by the sales volume they attain.

I thought of this when I was with the boys who landed on the Normandy coast in those terrible days of the war, when those big Navy guns *were behind us,* giving us support—I thought then of what it means to *morale* not to be going it alone.

The same is true of salesmen out on the road, fighting in the front line of attack. I've seen green kids sent out with the barest smattering of training and instruction. They knew nothing of the peculiarities of the territory, the idiosyncracies of individual dealer-customers. When they found the going hard, they received no sympathy from the office, but were told to work harder. Out on the road they seldom heard from headquarters except for fault-finding letters.

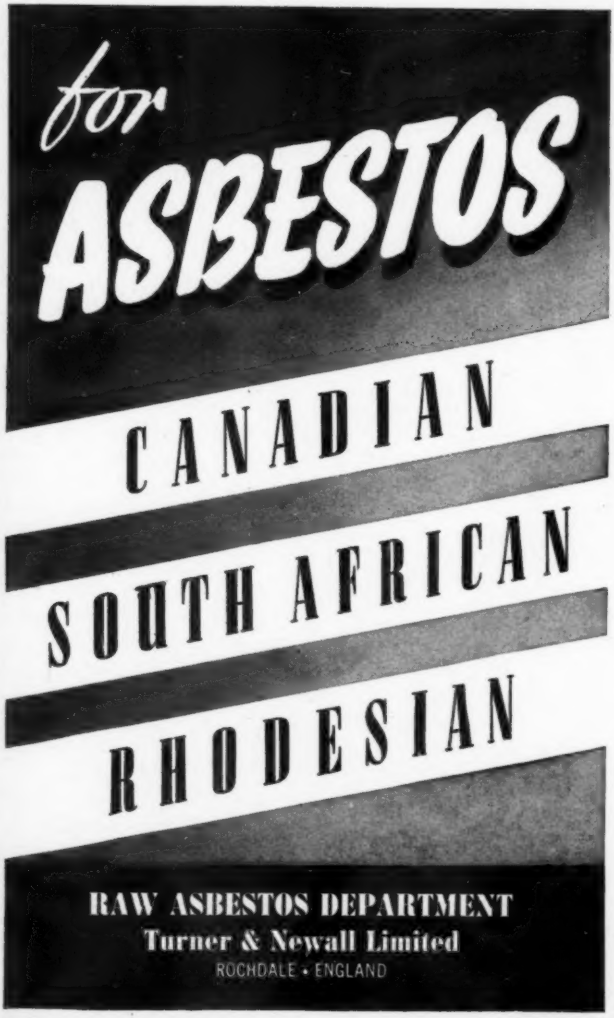
Their line was poorly advertised, whereas active competitors were benefiting from high-powered, well-planned campaigns.

In the office between trips they got little satisfaction from conferences with the sales manager. He had other company responsibilities, lacked the time to give personal attention to his men.

Of course the company's turnover was high. But it went on year after year, the company never realizing the fundamental trouble.

On the other hand, there are the boys, green perhaps, yet full of pep and determination. They know they *are backed up from the rear.* They know they have been sent out equipped with the best knowledge the sales manager can give them of the territory, the types of customers, the com-

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petition they will meet. They know, if the going is hard, they can pour out their woes and receive a sympathetic letter that gives them the push they need.

They know their line has been well advertised, that every prospect should have on his desk recent literature sent out on it. They know that the sales manager is never too busy to listen to their story, to offer suggestions, to encourage, to give a better-luck-next-time pat on the shoulder.

Yes sir! Whether on the shores of Normandy or the far removed offices in Wisconsin, it's the well-supported boys who are the winners!

THE SCHMIDT BELT - Where Can it be Obtained?

The Schmidt Belt, according to our inquirer, is a device used in England or on the Continent for checking pipe insulation for its efficiency. We understand the belt goes around the pipe covering after it is installed on the pipe, and indicates in some manner the quantity of heat passing thru the insulating material.

A similar belt, we are told, was developed in this country (U. S. A.) some years ago but was not accurate and could not be depended upon for readings which would indicate true heat loss.

There are also "heat meters" for use on flat surfaces like building walls, in fact one was developed by Percy Nichols some years ago.

Any information which our readers can supply about this Schmidt Belt will be appreciated.

. . . —

The worst obstructionist in any community is not the man who is opposed to doing anything, but the man who will not do what he can because he cannot do what he would like to do.—*J. L. Long.*

PIPE COVERING MADE IN SECTIONAL FORM

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LIGHT DENSITY TYPE

PABCO

PRECISION MOLDED

85% MAGNESIA INSULATION

"THE DEPENDABLE STANDARD — MODERNIZED"

REG. U. S. PAT. OFF.

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

PIPE COVERING MADE IN SECTIONAL FORM UP TO AND INCLUDING 18-INCH PIPE SIZE

COMPLETE RANGE OF SIZES AND THICKNESSES IN BLOCKS AND PIPE COVERING

THE PARAFFINE COMPANIES, INC., Insulation Division

(Formerly Plant Rubber & Asbestos Works)

475 Brannan Street, San Francisco 19, California • Engineering Service Units In Principal Cities

PABCO

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MARKET CONDITIONS

GENERAL BUSINESS.

"Business Action" published by the U. S. Chamber of Commerce, quotes in its June 24th issue, the remarks of Dr. Emerson P. Schmidt, Director of Economic Research, when addressing the National Chamber's Board of Directors at its June meeting. Among other things Dr. Schmidt said:

"In spite of the decline of nearly all economic indicators, there appears to be a widespread impression that the current readjustment, altho severe, will not generate a serious deflation and depression. In spite of its magnitude, the recession is not generating undue alarm."

More and more noticeable to the general layman is the fact that prices are decreasing on various commodities, especially on food. The reductions in most cases are slight but they are reductions and as food is of interest to all of us, they are hailed as the forerunners of a general decrease in the cost of living.

ASBESTOS — RAW MATERIAL.

The Asbestos Industry has cause for rejoicing! On Tuesday, June 28th, the strike at the Thetford Mines properties of Asbestos Corporation, Johnson and Flintkote ceased, while the strike at the Johns-Manville mine at Asbestos, Que., terminated on June 30th, the men returning to work at that mine on Monday, July 4th.

With all mines again in operation the backlog of unshipped orders should be gradually reduced and within a period of two to three months the availability of Asbestos Fibre should assume fairly normal proportions.

In view of the curtailed activity in general business, the scarcity of Asbestos fibre should not assume the proportions of the last few years, unless business activity turns up to the 1947-1948 level.

Another correspondent comments: Stocks on hand

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at the various mines were insufficient to satisfy the tremendous demand that has built up over the past 19 weeks and it will be some time before the mines will be at full production levels. There will consequently be a shortage of all grades of asbestos fibre for some time to come.

ASBESTOS — MANUFACTURED GOODS.

Asbestos Textiles. Business in this line is about the same as last month. One manufacturer reports a relatively heavy demand in cloth, another notes a slight increase in roving. It seems to be the general opinion, however, that tapes and yarns are at low ebb. The strike at the mines, while deprecated, occasioned little alarm in the textile business; buyers are still carrying fair inventories. Nevertheless the ending of the strike is a great relief to everyone in the Asbestos Industry. It is believed that the asbestos textile business will pick up before the end of the summer.

Brake Lining. Dealers are holding up orders on jobbers because they anticipate price decreases. Jobbers are likewise letting their inventories fall off for the same reason. Average jobber sales are off 10.6% because of dealer resistance. This should all straighten out in the last quarter as prices are firm and should remain so because of high labor costs.

Asbestos Paper. Rehandlers and equipment buyers are operating with considerably reduced inventories and purchases are being made on a hand-to-mouth basis. When buyers are convinced that prices are firm and no likelihood of reduction, this attitude will change. Failure to carry adequate stocks interferes with business.

Commercial asbestos paper is showing a greater demand than in the previous quarter; fear of curtailed production in view of the mines strike may be responsible for this. In the meantime prices are firm.

As to *Saturated Asbestos Paper* (felt) sales are still off. There is a large backlog of potential business but the

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Industry is not letting any contracts except for emergency repairs.

Asbestos Millboard. Increasing activity has been seen in the last month with prospects for the third quarter fair for both equipment and commercial material. Prices are also firm in this market.

Insulation. High Pressure. Industrial purchases are slowing up. Contractors' business is spotty, some areas having good business while others show slackened demand. Shipments in most cases are now on a thirty day or better basis. Backlog of orders has been materially reduced, and it looks as tho the demand for the balance of 1949 will be at a considerably lower level than previously.

Lack of industrial construction and anticipation of a break in the market prices are recited as contributing factors.

Insulation. Low Pressure. Seasonal conditions have resulted in a slowing up of demand for the various types of low pressure insulations. Expansion of air conditioning installations keep woolfelt in very good demand. With raw material and labor costs remaining high there is no indication of any decrease in prices.

Asbestos-Cement Products. In the shingle and siding division little change from conditions reported in our June issue. The fibre shortage continues. Most areas report heavy backlog of orders. With the mine strike ended, however, Asbestos Fibre should soon be in good supply.

In the corrugated and flat markets there is considerable backlog of unshipped orders, which condition may be changed shortly now that the mines strike is over.

The market for asbestos-cement pipes (water and sewer type) shows some decrease in demand- bookings however exceeding production, but much contemplated work has been indefinitely postponed because of high construction costs.

The above comments have been made by men in close touch with the field conditions. Comments from all readers are welcome.

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ACE ASBESTOS MANUFACTURING CO.

Importers, Exporters, Processors of Asbestos Fibres of All Varieties

of

RAW ASBESTOS

for

Every Use

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CHRYSOTILE
AMOSITE
AMPHIBOLE FIBRES

originating in

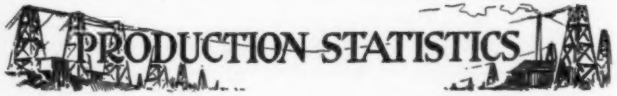
U. S. A. (ARIZONA)
CANADA
RUSSIA
CHINA
INDIA
RHODESIA
SOUTH AFRICA

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Large Capacity Fiberizing and Grading Plant

451 Communipaw Ave. **Jersey City, N. J.**

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Canada

(Department of Mines, Province of Quebec)

Production for April 1949 ..... 16,002 tons (2000 lbs.)
Compared with April 1948 ..... 61,582 tons (2000 lbs.)

Africa (Rhodesia)

Published by Rhodesia Chamber of Mines

Production for March, 1949 ..... 7,504.94 tons (2000 lbs.)
Valued at £357,925

EXPORTS OF ASBESTOS

From Southern Rhodesia

Exports of Crude Asbestos from Southern Rhodesia in 1947 and 1948 (as given by Foreign Commerce Weekly published by U. S. Department of Commerce, Washington, D. C.) were as follows:

	1947 Tons (2000 lbs.)	1948 Tons (2000 lbs.)
To United States	10,982	10,142
Canada	—	765
Argentina	1,335	3,104
United Kingdom	25,705	35,766
Belgium	2,557	5,143
France	3,270	565
Netherlands	408	484
Australia	6,147	5,460
India	3,500	5,430
South Africa	235	366
Other Countries	2,186	538
	56,325	67,763

We believe our readers will find these figures very interesting, especially the destinations.

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PHILLIPS ASBESTOS MINES

Producers of

CRUDES

and

Fiberized Asbestos

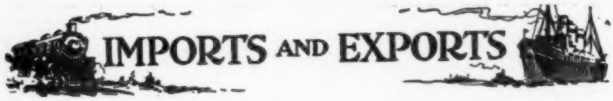
The World's Finest Fibre



DRAWER 71 **GLOBE, ARIZONA**

Mines and Mills in Gila Co., Arizona

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Imports into U. S. A.

(Figures by Bureau of Census)

Unmanufactured Asbestos—By Countries

	March 1949 Tons (2240 lbs.)
From Canada	9,258
S. Rhodesia	1,183
Union of S. Africa	1,686
Italy	1
Mozambique	98
U. S. S. R.	1
	12,227
Value	*$1,255,946*

By Grades:

Crude No. 1 Chrysotile	
Canada	4
S. Rhodesia	192
U. of South Africa	27
Crude No. 2 Chrysotile	
Canada	22
S. Rhodesia	151
U. of South Africa	117
Crude—Other (Chrysotile)	
S. Rhodesia	813
Italy	1
U. S. S. R.	1
Crude—Blue	
U. of South Africa	658
Crude—Amosite	
U. of South Africa	884
Mozambique	98
Textile Fibres—Chrysotile	
Canada	319
S. Rhodesia	27
Shingle Fibres—Chrysotile, Canada	579
Paper Fibres—Chrysotile. Canada	957
Fibres—Short Grades—Chrysotile, Canada	7,377
	12,227

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JOHNSON'S COMPANY LTD.

ESTABLISHED IN 1875

Head Office

Thetford Mines, P. Q. Canada

Mines

Thetford Mines, Quebec
Black Lake, Quebec

Producers of All Grades of

RAW ASBESTOS

REPRESENTATIVES

GREAT BRITAIN ..... A. A. BRAZIER & CO.
"Avenue Lodge"
65a Bounds Green Road,
LONDON, N. 22, England.

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

NEW YORK, N. Y. ..... CONNELL ASBESTOS MFG. CO.
117 Martense Street,
Brooklyn, 26, New York

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

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Imports Continued

Manufactured Asbestos Goods:

	March 1949 Quantity (Lbs.)	Value
Asbestos Yarn		
United Kingdom	6,492	$ 5,503
Asbestos Packing—Fabric		
Canada	300	32
United Kingdom	645	864
Asbestos Packing—Not Fabric		
United Kingdom	3,362	2,236
Asbestos Brake Lining (Molded)		
Canada	2	6
Asbestos Cement Products—Not. Impreg.		
Canada	197,970	13,931
Mexico	454,456	33,102
Asbestos Manufactures—Other		
United Kingdom	1,412	1,271
	664,639	$56,945

Exports from U. S. A.

(Figures by Bureau of Census)

Unmanufactured Asbestos:

	March 1949 Tons (2240 lbs.)	Value
To Brazil	72	$ 9,300
Columbia	53	13,200
Chile	36	6,065
Philippine Islands	50	10,000
Belgium	546	31,895
Germany	329	51,151
Netherlands	80	7,115
Norway	50	9,070
Portugal	18	2,820
United Kingdom	20	2,495
Australia	116	18,725
Japan	22	19,375
Belgian Congo	126	48,212
Other Countries	47	517
	1,565	$229,940

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SMITH & KANZLER CORPORATION

MANUFACTURERS OF

ASBESTOS PAPER

AND

LOW PRESSURE INSULATIONS

ESTABLISHED 1920

LINDEN, NEW JERSEY

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Exports Continued

Manufactured Asbestos Goods:

		March 1949 Quantity	Value
Asbestos Pipe Covg. & Cement	Lbs.	578,903	$ 72,670
Asbestos Textiles and Yarn	Lbs.	49,291	40,415
Asbestos Packing	Lbs.	121,301	106,903
Asbestos Brake Lining (M.&S.Mld.)	Lbs.	331,139	281,627
Asbestos Brake Lining (Woven)	L.Ft.	76,087	42,795
Asbestos Clutch Facings	No.	87,775	9,424
Asbestos Brake Blocks	Lbs.	19,458	18,567
Asbestos Construction Materials	Lbs.	2,546,736	138,833
Asbestos Manufactures—Other	....	....	42,633
			$753,867

IMPORTS OF ASBESTOS

By the United Kingdom.

One of our readers asked us how much Asbestos was imported by the United Kingdom yearly, and thru the courtesy of The Mining Journal, Ltd., of London, we obtained the following statistics for the years 1946, 1947 and 1948. These figures are published in the belief that many of our subscribers will find them useful or interesting. We understand the long ton (2,240 lbs.) is used.

	1946 Tons	1947 Tons	1948 Tons
Union of S. Africa	6,054	6,079	8,668
Southern Rhodesia	19,364	23,472	31,626
Canada	23,403	23,861	28,824
Other British Countries	5,108	13,533	17,694
Foreign Countries	93	38	135
	54,022	66,935	86,947

Imports of Asbestos into the United Kingdom during March 1949 totalled 6,111 tons; in April the total was 9,466 tons. In April 5,179 tons came from Southern Rhodesia.

STEEL MANDRELS
For Asbestos Cement Pipe Making Machines
Any Diameter — Quick Deliveries
Tel. address **DURITE TRIESTE**
"DURITE TECNICA" — TRIESTE, Cavana 24

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ASBESTOS FIBRE SHINGLE GRADES

A NEW MODERN ASBESTOS PLANT WITH REVOLUTIONARY EQUIPMENT

Your inquiries are invited.

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ASBESTOS FIBRES, INC.

Preparation Plant:

33 AVENUE P, NEWARK, N. J.

Main Office:

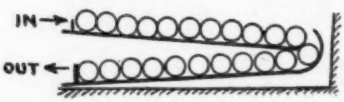
56 CRITTENDEN ST., NEWARK, N. J.

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KEEPING STOCK FRESH

The sketch really explains the idea so well that it is hardly necessary to comment on it.

Arrange two inclined planes as indicated, so that when a cylindrical parcel or package (a barrel, drum, or tube of oil for example) is removed from the bottom at the point market "out", the remaining parcels will advance by one leaving space at the top where the newest package can be inserted—at the point marked "in".



In this way the oldest package is always removed and a fresh stock maintained. Each package awaits it turn. There is no possibility that a package will remain indefinitely in the plant without being used.

Where considerable storage is required, the longer the length of inclined planes, the better, because it is obvious that the capacity of the device is directly proportional to the length of the inclines. Steepness of the planes is not essential.

The packages do not have to be round or cylindrical, altho square, oblong or other shaped containers will not move so freely, and of course will slide rather than roll.

By making it a point to always keep this device full, the possibility of running out of stock becomes remote, and even if not kept full it is very easy to check—mostly a mere glance will show clearly how much stock is on hand.

SOCIEDADE TECNICA DE HIDRAULICA, SARL-"CIMIANTO"

Producer of Asbestos-Cement Goods

Address — R. Joaquim António de Aguiar, 41-1° Lisbon — Portugal

Cable Address — "CIMIANTO" — Lisbon

ASBESTONE
CORPORATION

Manufacturers
Asbestos-Cement
Building Products

●

CORRUGATED SHEETS
FLAT SHEETS
ROOFING SHINGLES
SIDING SHINGLES

●

Factory and Sales Office

5300 TCHOUPITOULAS STREET
NEW ORLEANS 15, LA.

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NEWS OF THE INDUSTRY

BIRTHDAYS

Irving McCormick, President, The McCormick Asbestos Co., Baltimore, Md., July 13.

L. U. Noland, Chairman, Noland Co., Newport News, Va., July 17.

G. F. Bahrs, Treasurer, The Ruberoid Co., New York City, July 18.

Clifford F. Favrot, President, Asbestone Corp., New Orleans, La., July 18.

J. F. D. Rohrbach, President, Raybestos Manhattan, Inc., Bridgeport, Conn., July 18.

O. H. Waechter, Asbestos Cement Associates, Inc., Millington, N. J., July 18.

C. C. Gibson, Executive Vice President, The Paraffine Companies, Inc., San Francisco, Calif., July 20.

C. B. Whitley, Secretary, Scandinavia Belting Co., Charlotte, N. C., July 20.

Laurence W. Clarke, Vice President, Philip Carey Mfg., Co., Lockland, Cincinnati, Ohio, July 21.

R. S. King, Chairman, Philip Carey Mfg. Co., Lockland, Cincinnati, Ohio, July 21.

W. S. Simpson, Director, Raybestos-Manhattan, Inc., Bridgeport, Conn., July 21.

R. R. Galloway, President, Smith Asbestos Products Co., Millington, N. J., July 22.

Charles A. Saitta, President, Asbestos Corporation of America, New York, N. Y., July 23.

C. R. Hubbard, Vice President, Garlock Packing Co., Palmyra, N. Y., July 25.

Hilton A. Moberg, President, Arnold Insulations, Inc., Chicago, Ill., July 25.

George R. Weber, Vice President & Director, Raybestos-Manhattan, Inc., Manheim, Pa., July 25.

Frank C. LeRow, Vice President & Treasurer, Asbestos, Asphalt & Insulation Mfg. Co., Chicago Ill., July 26.

P. H. Ryan, Vice President in Charge of Sales, Smith Asbestos Products Co., Millington, N. J., July 26.

R. S. Hammond, General Sales Manager, Building Products Division, Johns-Manville, New York City, July 27.

John Ozurovich, President, Atlantic Asbestos Corp., New York City, July 31.

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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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Birthdays—Continued

Harry H. Heckroth, Vice President, Penn Supply & Metal Corp., Philadelphia, Pa., August 2.

C. W. Gregg, Treasurer and Director, The Flintkote Co., New York City, August 3rd.

A. P. Keasbey, President, Robert A. Keasbey Co., New York City, August 6.

Paul C. Collopy, President, Acme Asbestos Covg. & Flooring Co., Chicago, Ill., August 8.

Grant V. Wilson, President, Grant Wilson Inc., Chicago, Ill., August 11.

W. L. Steffens, Vice President, The Philip Carey Mfg. Co., Cincinnati, Ohio, August 13.

Matthew L. Ladden, President, Ladden Asbestos Corp., Brooklyn, N. Y., August 15.

Ernest Muehleck, Presdent, Keasbey & Mattison Co., Ambler, Pa., August 15.

Herbert E. Smith, Chairman, U. S. Rubber Co., New York City, August 16.

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

N. R. C. A. MOVES

The National Roofing Contractors Association (formerly the United Roofing Contractors Association) James McCawley, Executive Secretary, has moved to 315 W. Madison Ave., Chicago 6, Ill. They were previously located at 431 S. Dearborn, Chicago 5.

DUBLIN CONSOLIDATED ASBESTOS MINES (Pty) Ltd., Affiliate of Turner & Newall, Registered

According to the Mining and Industrial Magazine of Southern Africa the Dublin Consolidated Asbestos Mines (Pty) Ltd., with a capital of £250,000, has been registered and has acquired the following asbestos holdings in the Pietersburg asbestos field,—Dublin Mine, Montana Mine, Consolidated Mine and the Stylhoogte Chunies property. The total area of these properties comprises about 4,000 base metal claims, on which a considerable amount of development work has been carried out since 1925. The Montana Mine was acquired by Turner and Newall in 1927 from the late Michael Haskell and A. Schechter, who were also responsible for the development of the Dublin and Consolidated properties.

The directors of the company are Roland Starkie, C. B. E., M. I. M. M. (Managing Director); C. B. Harrington; E. Harding; A. Schecter (General Manager) and N. Sasto. The controlling interest in the company, as represented by the first three directors, is held by the New Amianthus Mines, Ltd., which also owns the Havelock Asbestos Mine in Swaziland.

It is reported that further development of the properties is planned and it is expected to bring production up to a minimum of 1,000 tons of asbestos a month.

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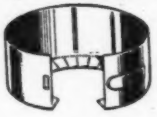
"Tropag"

ASBEST- & ERZIMPORT OSCAR H. RITTER K. G.
Hamburg · — · Ballindamm 7

Importers of

ASBESTOS - ORES - MINERALS

Royal Pipe Covering Protectors

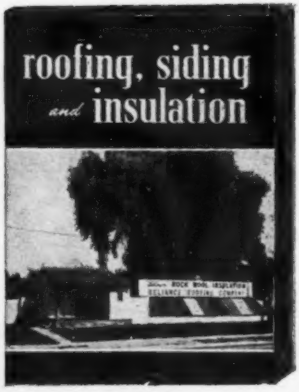


Insure - Permanent - Economical Protection To All Open Ends Of Pipe Covering

SHIPPED FROM STOCK

THE PROTECTOR COMPANY

49 L. STREET SOUTH BOSTON, 27, MASS.



45 W. 45th St.

.... SURE WAY....

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

CANTOR PUBLISHING CO.

New York 19, N. Y.

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A. C. P. A. HOLDS ANNUAL MEETING

Manufacturers of asbestos cement building materials, assembled in New York on June 21 for the twelfth annual meeting of the Asbestos Cement Products Association, voiced an optimistic view of business prospects for the remainder of the year. Several factors, including fibre shortages and a falling off in building construction, caused some curtailment of production during the winter months. Most manufacturers, however reported satisfactory upturns during the last three months and predicted they would continue the summer and fall.



Clifford F. Favrot, President A. C. P. A

Clifford F. Favrot of New Orleans, President of Asbestone Corporation, was elected President, W. R. Wilkinson of New York, Vice President and General Merchandise Manager of Johns-Manville Sales Corp., was chosen Vice President. S. P. Moffit of New York, Vice President of the Ruberoid Co., was re-elected Treasurer and Chester C. Kelsey again was named Secretary.

Directors chosen for the coming year were:

L. M. Cassidy of Johns-Manville Sales Corp.
R. R. Galloway, of Smith Asbestos Products, Inc.
J. E. Holbrook, of Paraffine Companies, Inc.,
John W. Humphrey of Philip Carey Mfg. Co.,
Otis Massey of Asbestos Company of Texas,
Ernest Muehleck of Keasbey & Mattison Co.,
Stuart H. Ralph of Flintkote Co.,
R. J. Tobin of Tilo Roofing Co., Inc.

Plans were made to continue and expand the Association's promotional program. The Industry's motion picture "The Ropp Farm Story" is now being televised thruout the country. Telecasts already, have been made from stations in New York Chicago, Cleveland, Dayton, Columbus and Pittsburgh. Other showings are being arranged. In addition, the film has been presented before rural audiences in more than 150 communities.

A new publicity project is to be launched soon. Easel Type frames will be distributed to lumber dealers and applicators for the display of news photographs with an asbestos theme. New subjects will be provided monthly.

A sound slide film on the use and application of corrugated sheets is now in preparation. It will be made available to all schools having classes in architecture.

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OBITUARY—J. T. McCallum

The death of John T. McCallum, formerly Secretary-Treasurer of Asbestos Corporation Limited, occurred on June 21st at his home in Knowlton, Que., after a long illness. He was 63 years old.

Ill health forced Mr. McCallum to retire in 1942. He first became associated with the asbestos mining industry in 1909 when he joined the staff of the Beaver Asbestos Company. He later entered the employment of the Amalgamated Asbestos and in 1913 became Secretary-Treasurer of the Asbestos Corporation of Canada holding the same position with its successor, Asbestos Corporation Limited, until his retirement.

Mr. McCallum was an indefatigable worker, yet found time for many other activities including golf, curling and dog breeding. He is survived by his widow and four children.

RUBEROID ANNOUNCES NEW COLORS IN SIDING

Three attractive new asbestos-cement siding colors—pastel green, pastel ivory and steel gray. They are being produced at their St. Louis plant and are available thru building material dealers.

The Company is also now producing a new type of Sno-White Smooth siding, and an improved Granistone. The new Sno-White features an exceptionally smooth surface and a brilliant white, the result of better color control in the manufacturing. The improved Granistone has a greater concentration of color granules on the surface and will be made in both textured and smooth Colonial and Weatherboard design.

UNITED ASBESTOS CORP., LTD.
Annual Meeting

The annual meeting of the shareholders of United Asbestos Corp., Ltd., held in Montreal, Canada, recently, resulted in three changes in the Board of Directors, the new Directors being P. M. Malouf, A. T. Ward and Morris Desy, replacing L. T. Porter, M. C. Lanctot and Robert Wadsworth.

After the meeting the Board appointed an executive committee consisting of C. Glenn Hunter, Chairman, E. M. Freeman and P. M. Malouf.

PHILIP CAREY MFG. CO.
Declares Dividends

The Board of Directors of Philip Carey Mfg. Company, at its regular quarterly meeting held recently declared dividends on both preferred and common stock;—$1.25 per share on Carey 5% preferred stock and 40c per share on the Common, both payable June 30th to holders of stock of record June 17, 1949.

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JOHNS-MANVILLE'S NEW MINE
In Munro Township, Ontario

Funds have been appropriated by the Board of Directors of Johns-Manville Corporation to finance immediate development of a rich, new asbestos ore deposit in northern Ontario.

Stripping will start immediately, and construction of a new mill will also be started promptly so that it can be completely enclosed before winter. Detailed engineering will be completed this month (July) and the mine is expected to be in production before May 1950. Initial operation of the mine and mill will provide jobs for 100 to 125 persons

The new asbestos mine is located in Munro Township about three quarters of a mile north of the once fabulous Croesus gold mine in the Larder Lake District. The property is 9 miles east of Matheson, Ontario, which is on the Ontario Northland Railroad. Matheson is about 45 miles from Kirkland Lake.

The new mill will have a capacity of 50 tons of mill rock each hour. Mining operations are being laid out and the mill is so designed that its capacity can be doubled at any time in the future.

Quality of the Ontario fibre is reported to be unusually good and is expected to substantially augment the supply being taken from the company's Jeffrey Mine at Asbestos, Quebec where production has been resumed after the strike which lasted from February 13 to June 30. Development of the new asbestos deposit at the Munro Mine in Ontario will not interfere however with full production at the Jeffrey Mine.

The Munro Mine ore body has been outlined by diamond drilling which has reached a depth of 800 feet in the area where mining operations will start. The ore body is 4,200 feet long.

ANNUAL MEETING
CAPE ASBESTOS CO.

The Annual General Meeting of Cape Asbestos Company Limited of London was held on July 6, 1949, and reports and balance sheets as of December 31st, 1948, were submitted.

The Chairman Robert Walker, reported combined net profit for the Group (Cape Asbestos Company and Subsidiaries) of £529,703, compared with £429,555 in 1947.

All mining operations are now being carried on by subsidiaries of the Company. Production of Blue asbestos was hampered during the year not only by shortage of labor but also by abnormally adverse weather in the rainy season when roads and bridges were washed away and mining installations flooded and damaged.

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E. W. PAT SMITH MADE
Director of Merchandising

E. W. Pat Smith has been appointed director of merchandising of Owens-Corning Fiberglas Corporation. Mr. Smith was formerly Vice President for sales of Philip Carey Mfg. Company.

AMERICAN SOCIETY FOR QUALITY CONTROL
Holds Annual Meeting

The American Society for Quality Control held its annual meeting on June 17th and re-elected the following officers for a one-year term: Ralph E. Wareham, consulting Engineer of Chappaqua, N. Y., President; Wade R. Weaver of Republic Steel Corporation in Cleveland, Vice President; Simon Collier of Johns-Manville Corporation, Executive Secretary and Alfred L. Davis of Rochester Institute of Technology, Treasurer. The Society has a membership of over 2,700 quality control engineers and managers, with 35 sections in the United States and Canada. The Society headquarters are in the Johns-Manville Building at 22 E. 40th St., New York City.

AUTOMOBILE SALES

	May 1949
Passenger Cars	394,703
Motor Trucks	86,200
Motor Coaches	564
	481,467

April sales totaled 543,118, while May 1948 sales were 338,538.

Total sales for the first five months of 1949 were 2,400,644 compared with 2,057,327 during the same period of 1948.

These figures cover only cars made in the United States. This data is supplied by the Automobile Manufacturers Association of Detroit, Mich.

. . . —

The American Society of Heating and Ventilating Engineers on June 10th announced appointments to its 17 technical advisory committees to direct research at the Society's research laboratory in Cleveland, Ohio, and at cooperating institutions where the ASHVE has made a grant of funds. The ASHVE is the only professional engineering organization that maintains and operates its own research laboratory. Incidentally E. R. Queer of State College, Pa., is Chairman of the Committee on Insulation.

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PATENTS

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

Copies of patents can be obtained by sending 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.

Size Reduction and Fiberizing of Crude Fibrous Materials. No. 2,474,314. Granted on June 28. 1949 to Frank J. Koehne, Martinsville, N. J., assignor to Johns-Manville. Application November 28, 1944. Serial No. 565,546.

The Method of dry crushing and opening coarse fibrous material which comprises forming and maintaining a thin suspension of the coarse material in a rapidly rotated gaseous fluid vortex, reducing and fiberizing the charge material by centrifugal impact against striking surfaces and by mutual impingement of particles deflecting the rotational gas flow inwardly at said strikng surface and developing inertia momentum of incompletely fiberized material tending to retain it within the vortex and selectively removing suitably reduced and opened fibres tangentially outward from the attrition zone before excessive at trition thereof by reversing the direction of flow of said reduced and opened fibres at the periphery of the vortex.

Gasket Centering Means. No. 2,474,790. Granted on June 28th to Joseph Rossman, Washington, D. C., assignor to U. S. Gasket Co., Camden, N. J. Application March 28, 1946. Serial No. 657,683.

A gasket assembly comprising a gasket formed of convolutely wound metal tape and a non-metallic packing strip interposed between the metal convolutions and a substantial oval shaped portions embracing said gasket, said centering rings tions and diametrically opposed arc-shaped portions, said arc-shaped portions embracing said gasket, said centering ring being formed of convolutely wound metal tape of a lesser number of convolutions than in said gasket and having a non-metallic packing strip interposed between said convolutions, said centering ring being laterally compressible to a greater degree than said gasket when the assembly is subjected to the same lateral compressive force.

RUBBER CEMENT

For Asbestos Packings

RUBBER & ASBESTOS CORP.
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JERSEY CITY 4, N. J.

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BUILDING

Contracts awarded for the first five months of this year in the thirty-seven states east of the Rocky Mountains for building and construction by public agencies were 19% higher than in the corresponding five months in 1948, according to F. W. Dodge Corporaton, while private contracts were down 20% in the same period.

Public-account work of all descriptions in the eastern states had a contract valuation in the January to May period of $1,380,812,000 against $1,160,560,000 last year. Private account work contracts declined from $2,671,047,000 to $2,141,188,000 in the same period.

Residential awards totaled $1,254,000 in the first five months of 1949, while the corresponding period of 1948 showed $1,468,273,000, a decline this year of 15%.

BOOK LIST

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

Asbestos Mining Methods. By C. V. Smith. (Reprint) 16 pages. 25c per copy.

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.

Recovery of Raw Asbestos. By Roland Starkey. (Reprint) 6 pages. Supplement to Milling Asbestos. 25c per copy.

Canadian Chrysotile Asbestos Classification. Including latest Quebec Testing Method. January 1, 1949 Edition. 4 pages. 25c per copy.

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

¶ The 96-page Manual on 85% Magnesia insulation published by the Magnesia Insulation Manufacturers Association, Washington, D. C. is available this month. month. Write the Association if interested. Incidentally our announcement of this Manual in June "ASBESTOS", gave the wrong address. It is 1317 F Street, Washington, 4, D. C.

¶ Statistics on Australian Asbestos, given on page 22 of June "ASBESTOS" did not state the kind of tons. We have since learned that the long ton of 2240 lbs. was used.

¶ The first Pacific Area National Meeting of the American Society for Testing Materials will be held in San Francisco, Calif., October 10th to 14th (inclusive) 1949; headquarters at Fairmont Hotel. For further information concerning this meeting, contact the Society at 1916 Race Street, Philadelphia 3, Pa.

¶ Some of our subscribers were especially grateful for the service we rendered during the recent strike at the Canadian asbestos mines. Everybody is thankful that it is finally over.

¶ If you find any errors in our Birthday List—page 40,—please write us immediately. Sometimes it is difficult to check them properly.

¶ Soon you will be publishing advertising booklets or catalogs for fall use. Be sure to send us copies for review.

¶ The trouble with much present-day travel is that we hurry to some place so we can turn around and hurry home again.

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CURRENT RANGE OF PRICE

As of July 10, 1949

	Per Ton (2000 lbs.) f.o.b. Mine
Canada—	
Group No. 1 (Crude No. 1)	$960.00 to $1,050.00
Group No. 2 Crude No. 2; Crude Run-of-Mine and Sundry	400.00 to 550.00
Group No. 3 (Spinning Fibre)	232.00 to 425.00
Group No. 4 (Shingle Fibre)	95.50 to 141.00
Group No. 5 (Paper Fibre)	78.50 to 88.00
Group No. 6 (Waste, Stucco or Plaster)	58.00
Group No. 7 (Refuse or Shorts)	28.00 to 52.00
Vermont—	
	Per Ton of 2000 lbs. f.o.b. Hyde Park or Morrisville, Vt.
Group No. 4 (Shingle Fibre)	$111.50 to $124.00
Group No. 5 (Paper Fibre)	79.00 to 96.50
Group No. 6 (Waste, Stucco or Plaster)	59.00
Group No. 7 (Refuse or Shorts)	28.50 to 52.50

ASBESTOS STOCK QUOTATIONS

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

		June 1949		
	Par	Low	High	Last
Armstrong Cork (Com)	np	38⅝	41¼	41¼
Armstrong Cork (Pfd)	np	94	96	95½
Armstrong Cork (Conv. Pfd)	np	105¼	108	106¼
Asbestos Corp. (Com)	np	21	22¼	21¾
Asbestos Mfg. Co. (Com)	1	1	1	1
Celotex (Com)	np	13¾	17⅞	15½
Celotex (Pfd)	20	15½	17¼	16¼
Certainteed (Com)	1	9½	10⅝	10⅛
Flintkote (Com)	np	21⅜	23⅞	23⅞
Flintkote (Pfd)	np	98	102	100
Johns-Manville (Com)	np	30½	34⅞	34⅞
Johns-Manville (Pfd)	100	100¼	106½	106½
Paraffine (Com)	np	15⅜	16¾	15⅞
Paraffine (Pfd)	100	102½	104	102½
Ray-Man (Com)	np	23⅜	25¼	24½
Ruberoid (Com)	np	40	48	48
Thermoid (Com)	1	4⅜	5⅛	4¾
Thermoid (Pfd)	50	36	38½	38½
Union Asb. & Rub. (Com)	5	10⅝	11½	11½
United Asb. (Com)	1	42c	62c	44c
U. S. Gypsum (Com)	20	89¼	94	94
U. S. Gypsum (Pfd)	100	177	184	179½
U. S. Rubber (Com)	10	33	36½	35⅝
U. S. Rubber (Pfd)	100	112½	119¼	115⅜

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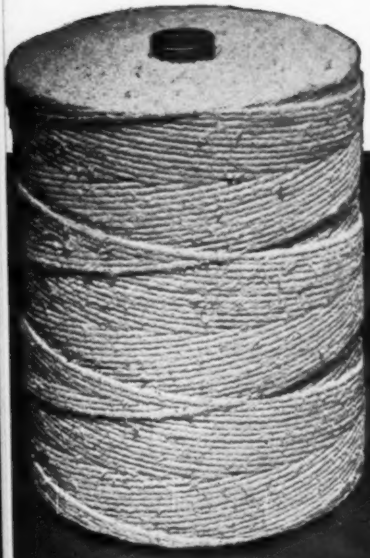
Details of the Ehret line of Valley Forge Packings are contained in a packing service manual. A copy will be sent to you on request.

EHRET MAGNESIA MANUFACTURING COMPANY

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