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A. S. ROSSITER, *EDITOR*

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View from King Head Tower



This rather remarkable photo, because of its clearness and the detail shown in the distance, was taken from King Head Tower No. 2, and shows in the immediate foreground the King Mill, sand bin and cobbing shed of the King Mine at Thetford Mines, P. Q., Canada, owned by Asbestos Corporation, Limited.

Those of our readers who are frequent visitors in Thetford will no doubt be able to identify all of the larger buildings in the picture.

The photograph was supplied by Asbestos Corporation Limited.

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The Economy of Bedlam[1]

By Walter Lippmann

No more pertinent thing has been said, none that strikes more deeply into the roots of our current difficulties, than Senator Borah's protest against "a policy of destruction, or restraint upon initiative, upon energy and upon production." The notion that we are devastated by overproduction and that the road to prosperity is to produce less of everything has assumed the proportions of a mass delusion. We have the government reducing agricultural production. We have the N. R. A. codes tolerating or approving all manner of schemes to produce less manufactured goods. We have the Administration as a whole, the Congress, and the American Federation of Labor all possessed of the idea that the way to remedy unemployment is to keep reducing hours of work. This is the economy of bedlam.

* * *

The delusion got its start in a real case of overproduction. It seems to be reasonably clear that taking the world as a whole too much wheat was being produced in the United States. That is to say the world's demand for wheat could be supplied more cheaply by farmers in other countries working newer and cheaper land, and there was, therefore, a substantial argument for assisting the wheat farmers to cut down their production and convert their lands to other uses. There may be a few other staples that are in the same position as wheat. But the notion that virtually everything is in that position is a hallucination.

Yet it has taken hold of the popular mind and of officialdom. There is a general popular sentiment that unless production is cut down we shall have ever-increasing unemployment and ever-diminishing profits. With this opinion prevailing everybody comes to think that the way to increase his own "purchasing power" is to produce less so that he may have less to sell, so that he may sell at a higher price. By this path we have got to our present policy where the A. A. A. is trying to raise the prices of the things the manufacturer sells. Each group

[1]This article is reprinted because we believe it is well worth reading and studying. Unfortunately the reader who supplied it did not tell us from what newspaper it was clipped and we are therefore unable to give proper credit.

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of farmers, manufacturers, workers has become imbued with the idea that if they can charge more for their product they will have more purchasing power. It might work if they were the only fellows practicing this policy. But if everybody practices it at once, the result is a tendency to cancel out everybody's gains. What the farmers have gained by the A. A. A. they have in considerable degree lost in the higher prices of N. R. A. The higher wages of N. R. A. are counterbalanced by the higher cost of living produced by A. A. A. and N. R. A. The increased employment brought about by the codes is counterbalanced by decreased employment due to the decreased demand of consumers faced with higher prices.

The result of this artificial and essentially monopolistic method of price-raising would be even more paralyzing than it is were it not for the fact that the Administration thru its monetary policy has succeeded in producing enough sound reflation of prices to withstand the shock of its unsound price manipulations. Were it not for the fact that the monetary policy has kept a jump ahead of N. R. A. and A. A. A. by giving agriculture and industry some quick profits over fixed costs, we should not be having as much recovery as we are having. And it is a reasonably safe prophecy that if the artificial and monopolistic price policies are not abandoned we shall come into another stalemate, like that of September and October, which will be overcome only by another dose of monetary inflation.

* * *

Between the monetary policy of the Administration on the one hand and its price and labor policies under N. R. A. and in some measure A. A. A. on the other hand there is a destructive contradiction. The monetary policy, under which I include both the revaluation of the dollar and the inflationary expenditures, really tends to produce recovery. For it reduces fixed charges in relation to prices in the open market, increases profits and stimulates enterprise; it puts idle money to work, thus making a real net addition to the effective demand for goods and labor; by these means it stimulates production. To it we owe all the recovery we have over and above what little we would have had anyway

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had we not adopted it. How little that would have been we can see by looking at France, Holland, Switzerland, where such a policy has not been adopted. That we owe the bulk of our recovery to it can be seen by the fact that we have had just about the same amount of recovery as the countries of the sterling bloc which have revalued their currencies but have had no general policy such as N. R. A.

The price-fixing policies of N. R. A. and A. A. A. on the other hand work contrary to the monetary policy. They raise costs ahead of profits, thus discouraging enterprise; they raise prices without increasing production, in fact by decreasing it, so that the real net income of the community tends to fall. It becomes more difficult to sell and therefore more difficult to produce and therefore more difficult to revive business and employment. The monetary policy strikes at the root of the depression and is bringing about the cure. The price policies of N. R. A. and A. A. A. are in essence an attempt to give every one the position of a monopolist who can charge all that the traffic will bear. But in so far as every one becomes a monopolist, the effect is to cause goods to be exchanged very slowly. This may produce high prices. But high prices without increased production are of no benefit to anybody. The railroads tried this policy all thru the depression. They kept up their rates and made it as hard as possible for people to use their services. They had wonderfully high prices together with brilliant prospects of bankruptcy. Yet this is precisely the policy that the N. R. A. and A. F. of L. and the A. A. A. are encouraging, tolerating, and even imposing upon almost all branches of production. They are raising prices by limiting production and discouraging demand. It will not work and it is a menace to recovery.

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Asbestos Corporation Limited

vs.

Keasbey & Mattison Company

This, greatest of all damage suits in the history of the Asbestos Industry, has, at last, been decided.

Arising out of a long, complicated "Agreement" between the two named companies dated May 29, 1925, and which "Agreement" was alleged by the Asbestos Corporation to have been breached by the Defendant, the case has involved probably the greatest array of legal talent ever employed in an action in this industry.

While the Agreement was executed in the United States, it really had to do with the disposition of the surplus production of the Bell Mine, (K. & M. owned) of Thetford and, since the United States obtains by far the largest percentage of its asbestos from Canada, the Sherman, Clayton and other United States Anti-Trust Laws were concerned in the case.

Several different actions were had and the case was finally heard in Quebec, after one or two postponements, in May 1931.

Unfortunately the Trial Judge (Judge P. D'Auteuil) died before reaching a decision, but under date of April 30, 1934 final decision was handed down by Judge Romeo Langlais, and we reprint, translation from the French, the Conclusion of the Court. The Goldthwaite referred to is a partner in Dillon Read & Company, which company was active in the procurement of the original Agreement:

"Considering that if the option of the 29th May, 1925, was accepted Goldthwaite and the Plaintiff did not give effect thereto;

"Considering that there were negotiations between the Plaintiff and Defendant which did not bring about any result;

"Considering that the parties interpreted all these negotiations merely as pourparlers;

"Considering that the writing of the 29th May, 1925, was made in the United States between American citizens to control a Canadian raw material the larger portion of which, if not the whole, is sold on the American market;

"Considering that the United States purchased almost the whole of the asbestos they use from Canada;

"Considering that the carrying out of this writing would

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have brought about an increase in prices in the United States;

"Considering that this writing would amount to a conspiracy to monopolize a product essential to the United States;

"Considering that this conspiracy falls under the Sherman, Wilson and Clayton anti-trust laws and would have made the defendant and its officers incur severe penalties;

"Considering that the defendant could not carry out this pretended contract which was illegal;

"Considering that in any event Goldthwaite who assigned his rights to the plaintiff did not accept the exact terms of the option and purported to do so for a company which did not exist;

"Doth declare null and of no effect the writing of the 29th May, 1925 the extension thereof and the acceptance thereof by the defendant; that the defendant did not thereafter abandon any of its rights; and doth dismiss the plaintiff's action and all its incidental demands with all the costs."

The decision is, as our readers will recognize, in favor of the Keasbey & Mattison Company. In commenting upon it, Dr. Richard V. Mattison says: "You know that I never for a moment doubted that the final decision of the Court would be in our favor."

Damages sought by Asbestos Corporation aggregated nearly Two Millions of Dollars.

France Uses More Asbestos

An interesting table is given in the Rhodesian Mining Journal of issue January 1934, in an article "The French Market for Rhodesian Asbestos and Chrome."

The article states that owing to a tangible revival in certain branches of the general industries of France in 1933, there has been a considerable increase in the importation of various minerals and metals.

The table which covers the first nine months of the year is given below:

Importation of Raw Asbestos into France during the first nine months of

	1932	1933
	Tons	Tons
From Rhodesia	364	1,156
South Africa	814	3,532
Russia	693	3,017
Canada	539	1,922
United States	47	140
Other Countries	1,144	1,044
	3,601	10,811

The article goes on to explain that the rise in asbestos

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Arizona Crude
Canadian Crude
Canadian Spinning Fibre
Canadian Shingle Fibre
Cyprus Asbestos
Italian Crude
Russian Crude
Rhodesian Crude
South African Blue Crude
South African Yellow Crude

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trade in France is to a great extent accounted for by the increased consumption of that mineral by the automobile industry, more and more asbestos being demanded for the manufacture of automobile accumulators.

Code Amendments Approved by Administrator

The N R A has recently announced that several Code amendments proposed by the Asbestos Industry had been approved on April 28th. The proposed amendments approved were as follows:

1. Amend Article VI, Section 1 (e) second sentence, to read:
"One voting member shall be elected by a two-thirds vote of the members of each Division who are members of the Code."

2. Amend Section 1 (f) of Article VI, fifth line, to read:
"It shall delegate to a Sub-Code Authority of each member Division, consisting of three members elected by the members of the Code of each Division, the administration of all Articles except III, IV, V and X of the Code, subject to review by the Administrator."

3. Amend Section 1 (g) of Article VI first line to read:
"The members of each Division who are members of the Code shall adopt their own rules of procedure with respect to administering the Code," etc.

4. Add the following at end of Section 1 (g) of Article VI:
"Each Division may upon the approval of the Sub-Code Authority of such Division and by three-fourths of the Code members of the Division, create Sub-divisions within each Division."

5. Amend Section 4 (b) of Article VI to read:
"The members of each Division of the Industry or any subdivision thereof, may prepare Simplification and Standardization Specifications and a Merchandising Plan for each Division, or Subdivision thereof as the case may be, incorporating the merchandising policies best calculated to promote fair competition in such Division or Subdivision. Subject to approval of the Administrator, every such Merchandising Plan or Simplification and Standardization Specification, when approved by the Sub-Code Authority of such Division and by either three-fourths of the Code members of the Division or Subdivision, as the case may be, who are present at a meeting expressly called for that purpose or by a three-fourths vote of the members of the Division or Subdivision, by written ballot, as the case may be, and filed with the Sub-Code Authority, shall be binding upon all members of the Industry who are included in or come within the Division or Subdivision to which such Merchandising Plan or Specifications apply. Changes may be made in any such Merchandising Plan or Specifications in the same manner."

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J. M. High Joins the Ruberoid Co.

J. M. High, Sales Manager of the Norristown Magnesia & Asbestos Company, Norristown, Penna., since 1927, and latterly Secretary of that Company, severed his connection with them during April and joined the Ruberoid Company, his new work being the development of the insulation line of the Ruberoid Company.

Much as Mr. High regretted leaving the Norristown Company and the pleasant relations he has had with the company, its officials and employees for the past seven years, he brings to his new work his usual zest and enthusiasm and believes that in this perhaps wider field he will be able to render a service to the asbestos trade as a whole and the Ruberoid Company in particular.

Mr. High was born at Norwood, Pa., and received his early schooling at the Norwood Grammar School and Chester High School. He afterwards attended the University of Pennsylvania (Towne Scientific School, taking the Chemical Engineering Course) studied the Alexander Hamilton Institute Course and attended the Franklin Research University and the Fisher School of Expression.

Mr. High's first business connection was with E. I. DuPont de Nemours Company as Chemist. He was afterwards Research Chemist with the General Chemical Company, was successively clerk in the Electrical Department, salesman and assistant department manager in the Philadelphia branch of the Johns-Manville Corporation, worked as bond salesman for a short time, spent a year and a half on the stage, was Sales Manager and finally Secretary of the Norristown Magnesia & Asbestos Company.

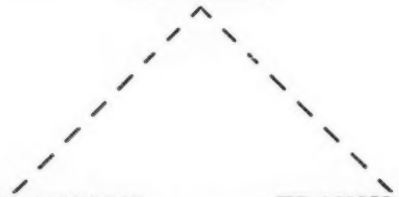
His varied experience makes him peculiarly fitted for the development work he is now undertaking with the Ruberoid Company, and all his friends in the asbestos industry, and particularly his former associates in the Norristown Company, wish him the utmost of success.

We are receiving a few calls for salesmen. Anyone interested should get in touch with us either by phone, person or letter.

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The 1934 edition of the Brake Lining Manufacturers' Association Automotive Data Book covering asbestos brake linings and clutch facings, is now in process of printing and will be distributed to the trade by the members of the Association about the first of June.

As in previous years, this Data Book shows the number and size of brake linings and clutch facings for all the model cars and trucks including a majority of the 1934 models. The book will include a numerical list which was an innovation in the book last year.

This year's book has been rearranged so that the information is more easily readable. Copies of the book may be obtained by all dealers and brake service stations thru their jobbers or direct from the members of the Brake Lining Manufacturers' Association.



Sales of brake linings and clutch facings during 1933 were $14,808,230.29. This represented an increase of 11.34% over 1932 when the sales were $13,300,000.

The increase is largely accounted for by the increase in automobile production last fall. Of the increase in sales, which amounted to $1,500,000, almost $1,250,000 was in sales to car and equipment manufacturers for their new models.

The replacement field in brake linings and clutch facings experienced very little improvement in 1933 over 1932.

AUTOMOBILE PRODUCTION

Production of motor vehicles during March 1934 totalled, for the United States and Canada, 350,173; compared with 124,634 during March 1933. February 1934 production was 243,955.

Total production of motor vehicles for the first quarter of 1934 was 762,118; for the same period in 1933, 368,265.

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Block-caving at the King Mine

The principal feature of the annual meeting of the Canadian Institute of Mining and Metallurgy, held on April 5th, at the Chateau Frontenac, City of Quebec, Canada, was a paper prepared by Capt. J. G. Ross of the Asbestos Corporation Limited, and his staff, the paper being descriptive of the new system of underground mining being used at the King Mine of Asbestos Corporation Limited. Those of Capt. Ross' staff who joined in the preparation of the paper were J. T. McCallum, Secretary Treasurer; G. Dick, Engineer; J. P. Wiser, Superintendent King Mine; E. L. Rainboth, Mine Engineer, King Mine; G. F. Jenkins, Geologist; A. L. Penhale, S. Bateman, A. D. Porcheron and P. E. Breton.

The paper is entitled Block-Caving at the King Mine and the printed copy consists of thirty-six pages, illustrated by photographs, sketches and graphs.

An interesting illustration is the Genealogy of Asbestos Corporation Limited, from 1878 to 1934 which we have reproduced on the opposite page and which we feel certain will be of more than usual interest to all readers of "ASBESTOS" and particularly those who recall many of the changes shown.

The chapter headings of the paper are:

- Introduction
- Occurrence and Origin of the Asbestos
- Varieties of Asbestos and their Mode of Occurrence
- Genesis of the Asbestos
- Development at the King Mine
  - Open Pit Operations
  - Diamond and Calyx Drilling
  - Surveying and Mine Mapping
  - Mining Without the Use of Wood
  - Development of the 300-Foot Level
  - Development of the 500-Foot Level
  - The Block-Caving System, 500-Foot Level
- Advantages of Block-Caving System

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Another interesting graph is the chart of tonnage and proportional mining costs.

We are not certain whether copies of this very interesting pamphlet are available to fill all requests, altho we understand a limited number are on hand and will be supplied to those interested. Also anyone may borrow our copy at any time.

It might be added that the menu and program of the annual banquet and meeting of the Canadian Institute of Mining and Metallurgy were printed on asbestos paper, a gracious gesture in recognition of the excellence of the paper prepared by Capt. Ross.

The A. S. H. V. E. Guide

The 12th Edition of the A. S. H. V. E. Guide is recently off the press and file copy in the office of "ASBESTOS" can be examined by anyone interested.

The Technical Data Section has been enlarged to include newly developed data vitally important in meeting the present day demands of engineers who devote their time to heating, ventilating and air conditioning practice.

All of the data in the previous edition has been reviewed, many chapters have been revised and amplified while others have been completely replaced. The new chapters include Cooling Load and Cooling Methods, Unit Conditioners, Radiant and Electric Heating, Humidifying and Dehumidifying Equipment, Steam Heating Systems and Piping. Tables of pipe sizes for steam systems have been presented in more compact and simplified form. Extensive changes will be noted in chapters on Industrial Air Conditioning, Natural Ventilation, Central Fan Systems, Air Cleaning Equipment, Sound Control, Mechanical Furnace Systems, Radiators and Gravity Convectors, Heating Boilers, Pipe Insulation, Pipe, Fittings and Welding, Definitions and Terms. Remaining chapters were revised to bring them uptodate.

The 1934 Guide contains 862 pages. Single copies, which can be ordered, either thru "ASBESTOS" or direct from the American Society of H. & V. Engineers at 51 Madison Avenue, New York City, are $5.00 each.

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High-Grade Asbestos Textiles

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BRAIDED TUBINGS
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ASBESTOS FIBRES
for the Manufacture of

ASBESTOS PAPER — ASBESTOS MILLBOARD
STUCCO — WALL PLASTER — COMPOSITION
FLOORING — INSULATING CEMENTS —
BOILER AND PIPE COVERING CEMENTS
ROOFING CEMENTS

—Write for Samples—
Eastern Representatives for CANASCO Fibres

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CONTRACTORS AND DISTRIBUTORS PAGE

ADJUSTMENT OF GOVERNMENT CONTRACTS UNDER N. R. A.

Insulation Contractors and others in the Asbestos Industry are interested in the two bills before the United States House and Senate (H. R. 9002 and S. 3402) which provide for the adjustment of contracts made with the United States Government where higher costs have been subsequently placed upon contractors because of compliance with the President's Re-employment Agreement.

According to bulletin issued by the National Association of Manufacturers claims presented under such bills must show:

a. That the contract entered into with the Government, or the bid resulting in the same, was submitted prior to August 10, 1933;

b. That such contract was carried out wholly or in part subsequent to such date;

c. That during its performance the contractor complied with the terms of the approved code to which he was subject, or the President's Reemployment Agreement; and

d. That the cost of executing the contract or contracts was increased by reason of compliance with either the code or the President's Reemployment Agreement over the cost prevailing at the time the bid was submitted. The party must, of course, further show the amount of such increase.

The bill further limits the amount to be recovered by the party seeking adjustment.

Anyone interested should obtain a copy of these bills and carefully study them; also watch in the daily press for record of their passing, etc.

If passed, and there seems to be no reason why they should not be, the bills will furnish much relief to contractors who have suffered losses by their compliance with the Reemployment Agreement.

THE A. C. N. A.

The Asbestos Contractors National Association reports a gratifying increase in membership, the total now being 200.

So far the Insulation Contractors Code has not been signed but indications are that it will be signed very shortly.

In the meantime "ASBESTOS" again urges every insulation contractor not yet a member to get in touch with the headquarters of the Asbestos Contractors National Association at 229 E. 37th St., New York City.

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BUILDING

March contracts for construction of all descriptions amounted to $179,161,500; this was almost twice the total reported for February and about three times the volume of March 1933 according to F. W. Dodge Corporation. Increases over both the previous month and March of last year were scored in each of the four principal classes of construction.

For the first quarter of 1934 contracts totaled $462,341,500 as contrasted with only $196,026,800 in the corresponding quarter of 1933.

ASBESTOS STOCK QUOTATIONS

			April 1934		
	Par.	Div.	Low	High	Last
Asbestos Corpn. (Com.) New	np	–	9¼	13¼	13¼
Carey (Com.)	100	–	42	42	42
Carey (Pfd.)	100	6	No Sales		
Certainteed (Com.)	np	–	6¼	7⅜	6½
Certainteed (Pfd.)	100	7	28½	35	31
Garlock Packing (Com.)	np	–	17½	17½	17½
Johns-Manville (Com.)	np	–	54½	59¼	56⅜
Johns-Manville (Pfd.)	100	7	108	118	111½
Raybestos-Manhattan (Com.)	np	60c	19½	21¼	20⅛
Ruberoid (Com.)	np	1	32	34½	32
Thermoid (Com.)	np	–	6¼	7⅛	6⅝
Thermoid (Pfd.)	100	7	33	44½	44½

Report of Tasmanian Asbestos

By A. C. Blackall

In the annual report of the Tasmanian Asbestos Mining Company, presented at the recent annual meeting in Melbourne, it was stated that several substantial consignments of asbestos had been shipped to Sydney and Melbourne with satisfactory results. Good orders for terrazzo are expected from London, and installation of a modern plant to deal with these orders is being considered. A. F. Kent, who has recently investigated the London asbestos market for this enterprise, has reported as follows:

"I investigated thoroly the possibilities of the serpentine rock mined by the company, and am very sanguine about its future. Terrazzo flooring has become exceedingly popular in Great Britain and Europe, and sample orders have been booked by both the principal London importing houses. I strongly recommend the company to prepare for this market. Terrazzo is being used not only for floors, but for tabletops, shelves, sinks, pillars, columns and steps."

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MARKET CONDITIONS

General Business.

The general business situation is probably best summed up by a paragraph or two taken from the May letter of the National City Company. "The changes in the business situation during April have presented more of mixed aspect than in the earlier months of the year due to divergent movements in the industries and in the markets for farm products. In the industries both operations and employment have made fresh gains. Curtailment has appeared in coal mining and in some of the lighter industries which evidently have passed their Spring peak, but it has been offset by pronounced increases in automobile and steel production." Again "Taken as a whole, industrial operations have increased by more than the usual seasonal percentage, according to the preliminary figures. This is the fifth successive month of improvement, and such a showing, with all that it signifies in the way of increased employment and satisfactory consumer demand, naturally generates optimism."

Raw Asbestos.

There has been no change in the Asbestos market. Prices remain firm. A very noticeable increase of exports by the Canadian Asbestos Mines has been made to Japan, and it is interesting to note that Japanese manufactured asbestos products are now appearing largely in India, Australia and even in South Africa.

Asbestos. Manufactured Goods.

Textiles. Reports reach us to the effect that there is a slight improvement in volume but on the whole very slight. Prices are fairly firm.

Brake Lining. The increasing car production and the opening up of the touring season make this market highly interesting at the present time.

Insulation. High Pressure. Demand is fairly consistent but far below profitable volume. Prices rule very

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Vermont Asbestos Corporation

Producers of

Quality Asbestos Fibre

"Mined in the U. S. A."

Sales Office
60 East 42nd Street
New York, N. Y.

Shipping Point
Hyde Park
Vt.

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steady. Durable goods must be made, financed and sold in vastly greater quantity than at present before any great improvement in consumption of insulations will come.

Insulation. Low Pressure. This market as well as the Paper and Millboard Line shows very light demand with prices about normal.

Asbestos Cement Products. Asbestos shingle sales continue at a substantially increased volume over a similar period for 1933 with purchases by U. S. Government Departments and large industrials being largely responsible for the increased volume.

Prices are firm, no changes of major importance having occurred in the market for some time past and conditions generally seem to indicate a very good year for asbestos shingle sales.

The asbestos siding shingles continue to increase in popularity and are making substantial inroads into the field largely held by asphalt siding materials during the past few years. Undoubtedly the residential siding market will greatly increase the use of asbestos shingles and will eventually equal and probably surpass the quantity of asbestos shingles sold for roofing purposes.

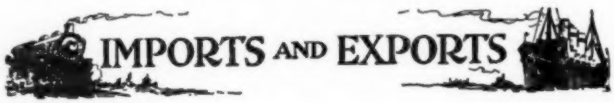
There is also noticeable increase in the demand for asbestos cement products for industrial purposes such as the corrugated and flat sheets.

The above comments come from men closely in touch with these various markets. Such comments are welcome at all times.

Anyone interested in asphalt floor tile should get a copy of the proposed commercial standard for this commodity from I. J. Fairchild, Chief, Division of Trade Standards, Bureau of Standards, Washington, D. C. Reference to File No. XIII-2/spc TS-2006 should be made in asking for this copy. Meeting concerning the proposed specification was held on May 3rd in Chicago, but unfortunately notice of it reached us too late to publish in our April number.

In the Market for Large or Small Quantities of
Metallic Yarn Waste—Asbestos Textile Waste—Scrap Cloth
Yarn Cuttings — Loom Sweepings — Cardroom Strippings
NEWARK WASTE CO.
47-49-51 Adams Street NEWARK, N. J.

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Imports Into U. S. A.

(Figures published by U. S. Dept. of Commerce).

Unmanufactured Asbestos.

	February 1933 Tons (2240 lbs.)	February 1934 Tons (2240 lbs.)
Africa (Br. S.)	201	24
Canada	4,406	6,575
Cyprus, Malta and Gozo	.....	156
Soviet Russia	.....	82
	4,607	6,837
Value	$161,265	$207,181

Tabulation by Grades:

Crude (Br. S. Africa)	201	24
Crude (Canada)	109	40
Mill Fibre (Canada)	2,187	3,215
Lower Grades (Canada)	2,110	3,320
Lower Grades (Cyprus, etc.)	.....	156
Lower Grades (Soviet Russia)	.....	82
	4,607	6,837

Manufactured Asbestos Goods:

	February 1933 Value	February 1934 Value
Austria	.....	531
Germany	261	2,001
Switzerland	28	.....
United Kingdom	1,423	3,917
	$1,712	$6,449

Exports from U. S. A.

Exports of Unmanufactured Asbestos during the month of February 1934 amounted to 162 tons valued at $10,102; compared with 25 tons, valued at $1,840 during February 1933.

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Exports of Manufactured Asbestos Goods:

	February 1933 Pounds	February 1933 Value	February 1934 Pounds	February 1934 Value
Paper, Mlbd. and Rlbd.	13,354	$ 2,203	71,301	$ 4,000
Pipe Covering & Cement	254,763	10,040	159,631	5,910
Textiles, Yarn & Packing	83,293	31,446	102,714	44,981
Brake & Clutch Lining—				
Molded & Semi-molded	.....	25,836	.....	29,847
Not Molded	67,856[1]	12,370	99,559[1]	15,250
Magnesia and Mfrs. of	77,365	6,814	148,402	12,810
Asbestos Roofing	27,529[2]	30,993	1,250[2]	7,736
Other Manufactures	126,407	6,162	49,200	6,330

[1]Lin. Ft. [2]Sqs.

Imports and Exports by England.

Imports of Raw Material.

	March 1933 Tons (2240 lbs.)	March 1933 Value	March 1934 Tons (2240 lbs.)	March 1934 Value
From Africa (Rhodesia)	545	£10,884	478	£ 9,388
From Africa (U. of S.)	402	6,544	965	14,364
From Africa (Port. E.)	.....	.....	13	256
From Australia	.....	.....	4	125
From Canada	243	2,713	68	1,179
From Cyprus	288	4,801	177	3,131
From Finland	.....	.....	.....	8
From France	.....	78	.....	.....
From Germany	.....	.....	1	32
From Italy	23	1,668	.....	.....
From Soviet Russia	.....	.....	48	475
From U. S. of America	38[1]	327	72	1,307
	1,539	£27,015	1,826	£30,265

[1]Waste

Exports of Manufactured Asbestos Goods:

	March 1933 Cwts.	March 1933 Value	March 1934 Cwts.	March 1934 Value
To Irish Free State	2,227	£ 2,914	3,958	£ 3,638
To British India	8,495	10,263	5,153	7,988
To Australia	527	4,882	386	3,122
To Other British Countries	3,753	11,412	6,021	14,942
To Netherlands	626	2,488	1,144	3,946
To Belgium	668	4,150	348	2,812
To France	357	2,843	384	2,480
To Italy	578	5,414	695	4,063
To Other Foreign Countries	6,654	25,368	7,675	26,128
	23,885	£69,734	25,764	£69,119

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Exports of Raw Asbestos from Canada.

(Figures by Dominion Bureau of Statistics)

	March 1933		March 1934	
	Tons (2000 lbs.)	Value	Tons (2000 lbs.)	Value
United Kingdom	170	$ 7,824	100	$ 5,910
United States	2,346	100,080	6,626	281,707
Australia	100	5,000	187	9,260
Belgium	120	3,950	.....	10
France	198	10,581	32	1,760
Germany	150	8,965	561	46,120
Italy	.....	.....	11	4,400
Japan	456	24,455	275	11,630
Spain	101	4,514	22	770
	3,641	$165,369	7,814	$361,571
Sand and Waste—				
United Kingdom	100	2,000	.....	.....
United States	2,682	38,103	5,460	77,166
Belgium	30	375	.....	.....
France	34	358	10	220
Germany	30	540	93	2,046
Japan	42	770	.....	.....
	2,918	$42,146	5,563	$79,432
	6,559	$207,515	13,377	$441,003



Africa (Rhodesia).

(Statistics published by Rho. Chamber of Mines).

	February 1934			
	Tons (2000 lbs.)	Value		
Bulawayo District				
Nil Desperandum (Afr. Asb. Mng. Co. Ltd.)	286.50	£ 3,581	5	..
Shabanie (Rho. & Gen. Asb. Corp. Ltd.)	1,635.67	20,445	17	6
Victoria District				
D. S. O. (Mashaba Rhodesia Asb. Co. Ltd.)	26.20	314	8	..
Gath's & King (Rho. & Gen. Asb. Corp. Ltd.)	380.10	4,751	5	..
	2,328.47	£29,092	15	6

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Africa (Union of South).

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

	January 1933 Tons (2000 lbs.)	Value	January 1934 Tons (2000 lbs.)	Value
Transvaal				
Amosite	163.10	£ 1,631	243.00	£ 2.519
Chrysotile	570.00	5,689	864.00	9.544
Cape				
Blue	156.29	2,681	183.70	3,620
	889.39	£10,001	1,290.70	£15,683

Canada.

(Statistics by Bureau of Mines, Province of Quebec)

The following gives shipments and sales, average value per ton, etc., of Canadian Asbestos during 1933. On page 31 will be found tabulation of comparison with shipments and sales of other countries.

	Shipments and Sales Tons (2000 lbs.)		Average Value Per Ton
Crudes	1,306	341,734	261.66
Fibres	82,605	3,843,887	46.53
Shorts	74,456	1,025,556	13.77
	158,367	$5,211,177	
Sand, gravel and stone (waste rock only)	6,445	3,215	.50
	164,812	$5,214,392	

	March 1933 Tons (2000 lbs.)	March 1934 Tons (2000 lbs.)
Fibre	5,455	12,629
By-Products	126	384

	First Quarter 1933 Tons (2000 lbs.)	First Quarter 1934 Tons (2000 lbs.)
Crude (Nos. 1 and 2)	197	342
Milled (Nos. 3, 4 and 5)	8,102	17,033
Milled (Nos. 6 and 7)	8,588	13,012
	16,887	30,387
By-Products (Nos. 8 and 9)	191	478

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Relation of Production
(Sales and Shipments)[1]
of Various Countries

	1932 Tons (2000 lbs.)	1933 Tons (2000 lbs.)
Canada — All Grades[2]	**122,977**	**158,367**
Cyprus	**1,700**	**3,904**
Rhodesia	**15,766**	**30,181**
Union of South Africa	**12,070**	**15,877**
Imports by United States of America — from All Sources	**96,668**	**119,565**

ROCK MINED AND MILLED

(Canada only)

	1932 Tons (2000 lbs.)	1933 Tons (2000 lbs.)
Rock Mined	1,145,340	1,566,919
Rock Milled	1,029,709	1,329,814
Asbestos Produced from this rock	125,407[3]	150,468[3]

Shipments and Sales of Canadian Material divided as to Grades:

Crudes	471	1,306
Fibres	45,323	82,605
Shorts	77,183	74,456
	122,977	158,367

[1]No Asbestic included.
[2]Taken from Preliminary report of the Bureau of Mines, Province of Quebec. See page 30.
[3]This figure represents asbestos actually produced, not shipments and sales. It has been compiled from figures published each quarter by the Quebec Bureau of Mines.

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NEWS OF THE INDUSTRY

Birthdays. Our birthday list this month contains the following names: S. Simpson, President, Raybestos-Manhattan, Inc., Bridgeport, Conn., whose birthday date falls on May 17th; M. S. Sprague of Standard Asbestos Company, San Francisco, Calif., May 19th; F. H. Shipe, Asbestos Covering & Roofing Co., Washington, D. C., May 31st; A. S. Blagden, President, Keasbey & Mattison Co., Ambler, Pa., June 2nd; Chester H. Braselton, President, Worldbestos Corp., 52 Cortlandt St., Paterson, N. J., June 14th; W. R. Seigle, Chairman of the Board, Johns-Manville Corp., New York City, N. Y., June 14th. Congratulations and best wishes to all these gentlemen.

Asbestos Corporation Limited. Col. Robert F. Massie, in his address at the annual general meeting of Asbestos Corporation Limited held on April 11th in Montreal, stated that the prospects for the company were greatly improved and commented on the fact that in the past year there was an increased demand from most countries consuming asbestos. The Board of Directors was re-elected. Col. Massie also commended the company's staff for their resource, energy and ability displayed in adapting the new system of block-caving to the conditions in their King Mine; further information on this block-caving method will be found on page 18.

Johns-Manville Corporation. At the Board of Directors Meeting held on March 26th, E. M. Voorhees, Vice President, Secretary and Treasurer of Johns-Manville Corporation, was elected a Director of the Corporation.

Alexander Crommell, manager for the Lompoc Plant of Johns-Manville Corporation, has been promoted to Manager of the Pacific Coast factories of the Corporation, with headquarters at San Francisco. He will be succeeded at Lompoc by W. Bradford Kelley, Manager of the Redwood City plant and formerly employed in the local factory.

Report of Johns-Manville Corporation and subsidiary companies for the first quarter of 1934, showed a loss after depreciation, depletion and income tax accrual, of $76,081.05, compared with a loss in the first quarter of 1933 of $953,799.62. Sales for the first quarter of 1934 were reported as totalling $4,755,789.82, compared with $3,307,805.62 for the same period in 1933. The figure for the first quarter of 1934 shows a loss of 28c per common share, while that for the first quarter of 1933 was $1.45 per common share.

Canadian Asbestos Company of Montreal, has recently issued a very attractive catalog of the full line of packings handled by them thruout Canada. This catalog contains 72 pages, and a

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BLUE ASBESTOS

The "CAPE" quality of blue crocidolite, owing to great tensile strength, volume, and acid-resisting properties, has been proved to be the world's finest material for:-

(1) High Temperature Insulation
(2) Bulkheads and Fireproof Partitions
(3) Asbestos Cement Pipes
(4) Textiles
(5) Electrode Wrappings for Arc Welding

AMOSITE ASBESTOS

owing to its great length of fibre, is ideal both in economy and efficiency as a constituent for:-

85% MAGNESIA COVERINGS

Magnificent success has been achieved with the latest specialty in Amosite material, viz:-

100% AMOSITE SECTIONAL PIPE COVERINGS

AND BOILER CASINGS FOR BOTH MARINE AND POWER PLANT INSTALLATIONS

Address Enquiries to the Mine Owners and Manufacturers::

The Cape Asbestos Co Limited

Morley House 26-30 Holborn Viaduct London E.C.1.

Factory, Barking, Essex

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great deal of helpful information.

"The Asbestos Industry of 1933" is the title of the advance final summary published on April 20th, 1934 by the U. S. Bureau of Mines, Washington, and besides giving a summary of the domestic asbestos situation in 1933, contains a table of asbestos consumed in the United States during the years 1928 to 1933 inclusive, tables of prices of asbestos during 1932 and 1933 and a third one showing imports of unmanufactured asbestos into the United States in 1933 by countries and classes; also world production of asbestos during the years 1929 to 1933 inclusive.

Copies of this four page circular can no doubt be obtained by addressing the Statistical and Economic Surveys, Mineral Statistics Division, U. S. Bureau of Mines, Washington, D. C., and asking for Mineral Market Report No. M. M. S. 272.

Russell Manufacturing Company of Middletown, Conn., as a result of greatly increased business in all sections of the country, has inaugurated a nationwide campaign of "brake clinics," these being held in various cities in conjunction with local Rusco division managers and jobbers and conducted by members of the engineering staff from the main factory in Middletown. Clinics held over a month's period, and conducted by A. C. Teetsel, Rusco testing engineer in 19 cities located in Massachusetts, Pennsylvania, Tennessee and points south, have been attended by 2500 garage and service station operators.

The clinics consist of a talk by Mr. Teetsel on brakes and their adjustment, the new Rusco Engineered Brake Service plan, a presentation of "Rusco Engineered Sets," the distribution of a new booklet, "Modern Brakes" the showing of a talking film showing manufacture and testing of Rusco linings, and a free discussion on brake problems with the audience.

Edge Packing & Rubber Corporation announce as of April 2nd, 1934, a merger with The Darcoid Company, Inc., under the name of The Darcoid Company, Inc., and the removal of their offices to 200 Varick Street, New York City. The telephone number is Walker 5-7380.

International Association of Heat and Frost Insulators and Asbestos Workers. Thomas J. McNamara, General Secretary-Treasurer died on April 4th at the age of 54. He held the position of Secretary-Treasurer since 1909 and also edited the union publication, The Asbestos Worker. From 1914 to 1926 he acted as business representative of the Union.

India Rubber Journal. Articles recently appearing in the India Rubber Journal concerning asbestos are Asbestos Separation Systems in the March 24th issue; Infra-Red Photography in the March 31st issue; Flow During Screening and Fruit Juice Filtration in the April 7th number, Asbestos Milling Arrangements in the April 14th issue.

Asbestos Manufacturing Co. R. J. Evans, president of the Asbestos Manufacturing Company, of Huntington, Ind., announces that the Wabash Asbestos plant he purchased at a receiver's sale several months ago, will start operations this summer, and will run as a unit with the Huntington plant. New

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lines will be added in order to obtain a market that the company has not been able to enter previously. All of the experimental work will be handled at the Huntington plant with much of the manufacturing being done at the Wabash plant, which is much larger in capacity.

PATENTS

Method of Producing Reactions with Silica and Products Thereof. No. 1,945,534. Granted on February 6th, to Ernest Wayne Rembert, Plainfield, N. J., assignor to Johns-Manville Corporation. Application April 10, 1931. Serial No. 529,269.

Described as in a method of promoting reactions between solid, finely divided silicious materials and sparingly soluble reactive compounds in the presence of water, the step of introducing alkali into a mixture of silicious material, water and a sparingly soluble reactive compound. heating the mixture and then separating the alkaline solution from the silicate product.

Magnesia Cement, Method of Manufacturing. No. 1,946,327. Granted on February 6th to Ryosaku Matsuura, Shotokugai, Darien, Manchuria, China, assignor to Minam Manshu Tetsudo Kabushiki Kaisha, Darien, a corporation of Japan. Application February 14, 1930. Serial No. 428,517.

Described as Magnesia Cement consisting of light burned magnesite containing 85% of Magnesia Oxide and almost insoluble magnesium sulphite.

Insulated Electrical Conductor. No. 1,946,331. Granted on February 6th to Beauford H. Reeves, New Haven, Conn., assignor to Rockbestos Products Corporation. Application April 6, 1933. Serial No. 664,708.

Described as an insulated electrical conductor incapable of evolving an inflammable or explosive gas at elevated temperatures which comprises a metallic conductor insulated by flexible insulation including non-brittle fibrous material in an amount sufficient to retain at least a part of the insulation on the conductor, said insulation being capable of forming a vitreous like tube when subjected to elevated temperatures without involving inflammable or excessive gas. (Note: above contains asbestos).

Pipe Coupling. No. 1,947,998. Granted on February 20th to Adolfo Mazza, Genoa, Italy, assignor to Johns-Manville Corporation. Application September 12, 1928. Serial No. 305,564. And in Italy November, 19. Description upon request.

Apparatus for Forming and Curing Brake Linings. No. 1,948,491. Granted on February 27th, to Carl P. Brockway, Ridgewood, N. J., assignor to Worldbestos Corporation, Paterson, N. J. Application April 17, 1931. Serial No. 530,828. Description upon request.

Insulating Material. No. 1,949,087. Granted on February 27th to Merrill D. Squiers, Kalamazoo, Mich. Application June 20, 1932. Serial No. 618,162.

Described as the method of making insulating material which comprises mixing 1500 lbs. of soft water and 100 lbs. of Mineral Wool, stirring into this mixture 10 lbs. asphalt emulsion and then molding the material to produce the desired shape.

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RU-BER-OID

YOU can now obtain from *The Ruberoid Co.* a complete line of Asbestos and Asphalt Building Products as listed below.

ASBESTOS SHINGLES
- Tapered American Method
- Hexagonal Method
- Dutch Lap Method

ASBESTOS ROOFINGS
- Smooth Surfaced

ASBESTOS PAPERS
- Commercial Paper
- Heavy Asbestos Paper
  - (Roll Board)
  - (Mill Board)

ASBESTOS PIPE COVERINGS AND BOILER INSULATION
- Sectional Pipe Coverings
  - Aristo Brand
  - Imperial Brand
  - Celasbestos Brand
  - Watcocel Brand
  - Anti-sweat Brand
- Lagging Blocks
  - Aristo Laminated
  - Imperial Brand
  - Celasbestos Brand
  - Watcocel Brand

ASBESTOS WALL "TILE"

ASBESTOS WALL "MARBLE"

ASBESTOS SHEETS
- Corrugated
- Flat

ASPHALT SHINGLES
- Units
- Strips

BUILT-UP ROOFING MATERIALS
- Asbestos Felts
- Asphalt Felts
- Tarred Felts
- Roofing Asphalt
- Bond Roofing Asphalt
- Coal Tar Pitch
- Concrete Primer

ASPHALT ROLL ROOFINGS
- Smooth-surfaced
- Mineral-surfaced

INSULATING AND SHEATHING PAPERS
- Kraft Building Papers
- Asphalt Coated
- Tarred Slaters Felts
- Red Sheathing
- Deadening Felts

The RUBEROID Co.

ROOFING MANUFACTURERS FOR OVER FORTY YEARS

Sales Divisions: RUBEROID MILLS — CONTINENTAL ROOFING MILLS
SAFEPACK MILLS — H. F. WATSON MILLS — ETERNIT

Offices & Factories: New York, N. Y. — Chicago, Ill. Millis, Mass. — Erie, Pa. — Baltimore, Md. — Mobile, Ala.

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EHRET'S
VALLEY FORGE
PACKINGS

Announcing
A Complete New Line of PACKINGS *by* EHRET

With 30 years of experience in the manufacture of low, medium, and high pressure Insulations, the Ehret Magnesia Manufacturing Company now offers, through its Valley Forge Packing Division, a complete line of low and high pressure Packings, covering the complete needs of industry. ¶These Packings are made on the latest type machinery, of the finest quality raw materials, and bear the Ehret Guarantee of satisfactory service. ¶Many new features of the Ehret Packing line will be of wide interest to industrials, and a complete merchandising and advertising program will make jobbing or distributing connections profitable.

An Interesting Proposition awaits Live Wire Jobbing and Distributor Organizations for both EHRET Packings and EHRET Insulation Products

VALLEY FORGE PACKING DIVISION

EHRET MAGNESIA MANUFACTURING CO.

Executive Offices and Factories: VALLEY FORGE, PA.

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