# FOURTH ANNUAL REPORT

OF THE

# DEPARTMENT OF INDUSTRIES

OF THE

## PROVINCE OF BRITISH COLUMBIA

FOR THE

## YEAR ENDING DECEMBER 31ST

## 1922

PRINTED BY
AUTHORITY OF THE LEGISLATIVE ASSEMBLY.

VICTORIA, B.C.:
Printed by WILLIAM H. CULLIN, Printer to the King's Most Excellent Majesty.
1923.

*To His Honour* WALTER CAMERON NICHOL,

*Lieutenant-Governor of the Province of British Columbia.*

MAY IT PLEASE YOUR HONOUR:

The Fourth Annual Report of the Department of Industries of this Province is herewith respectfully submitted.

JOHN HART,

*Minister of Industries.*

*Parliament Buildings,*

*February 5th, 1923.*

DEPARTMENT OF INDUSTRIES,

VICTORIA, B.C., February 5th, 1923.

*The Honourable John Hart,*

*Minister of Industries, Victoria, B.C.*

DEAR SIR,—In pursuance of section 9 of the "Department of Industries Act," I enclose herewith Annual Report.

Yours truly,

D. B. MARTYN,

*Industrial Commissioner.*

# Report of the Department of Industries.

*To the Lieutenant-Governor in Council,*
*Victoria, B.C.*

SIR,—In accordance with the "Department of Industries Act," the following report is made. It contains:—

(1.) Introductory Review of Industrial Conditions.
(2.) Manufacturers' Campaign to further the Purchase of Articles manufactured in British Columbia.
(3.) Research-work on Quesnel and Williams Lake Clays, with a Summary of Clay-deposits and Brick Plants of British Columbia.
(4.) Industrial Progress in Agricultural Lines.
(5.) Report on Westminster Paper-mill.
(6.) Distillation of Sawdust, Lignite, and Shale.
(7.) Receipts and Disbursements from Development Fund.
(8.) Directory of British Columbia Products.

## (1.) INTRODUCTORY REVIEW OF INDUSTRIAL CONDITIONS.

Industrially the year 1922 in British Columbia was a year of fair fulfilment. Earlier hopes were not entirely realized, but general conditions were more satisfactory than in 1921. Progress upward was made in a succession of spurts of activity and periods of dullness, and over the twelve-month period definite improvement in many lines was noted. The increased activity in industry lessened unemployment and building increased. The output in mining, fishing, and lumbering, pulp and paper showed an increase over the previous year.

Generally agriculture produced a large crop of high-grade products, the total value almost equalling the previous year. Several elements connected with the agricultural industry tended to limit the good effect that the numerous favourable factors might otherwise have had. Marketing conditions were so bad and unorganized that a very low price was obtained for agricultural products. On the other hand, labour and material costs did not show the deflation which had taken place in other units of the industrial system. The purchasing power of the farmer was not apparent and many fruitmen suffered a loss on the year's operations. The latter months of the year witnessed a realization of the necessity to organize against a recurrence of these conditions, and the agricultural interests, assisted by advice and lectures by experts of the Department of Agriculture, are organizing co-operative marketing associations on various commodity lines. If the expectations of these efforts are fulfilled the future will hold better returns to agriculture, with its corresponding impetus to all other branches of industry.

Definite progress was made in the lumber industry, pulp and paper, and builders' supplies. More settled conditions were exhibited throughout the year. The lean period in these industries was too close to admit of sufficient optimism for replacements, extensions, and development; consequently purchasing was limited. Most of them, however, showed a gain on the year's operations, and the activity in the woods and in contemplated building point to the coming year producing that measure of demand that the machinery, lumber, and building supply shops and industries require to produce a business reaction for them and place them once more busy in reconditioning, enlarging, and developing a prosperous lumber market in new machinery and equipment.

Mining and the fishing industry showed recovery, but not sufficient to greatly add to the work or prosperity of the machinery establishments. A continuance of interest and progress in the coming year, coupled with lumbering, pulp and paper, and building supply, should gradually produce the reawakening to full activity of the various shops and foundries of the Province.

The year generally has been satisfactory. There is a renewed interest shown in the immense raw wealth of the Province. There is a renewed confidence financially through the improvement in the Canadian dollar in terms of American funds. There is less unemployment, and in lieu of objection to immigration a tendency to create fresh wealth by bringing in a large population by selective immigration to develop the resources that the past year have shown to be in demand once more in world markets. The year has been one of progress and fair fulfilment, with a more encouraging outlook for the future.

## (2.) MANUFACTURERS' CAMPAIGN TO FURTHER THE PURCHASE OF ARTICLES MANUFACTURED IN BRITISH COLUMBIA.

The general industrial depression in 1920 and 1921 proved to be a very heavy strain on British Columbia industry. It showed to all manufacturers the absolute necessity of using every effort to promote a greater market in the Province for the goods manufactured here. This resulted in the inauguration of a "Buy British Columbia Products Campaign." This campaign, conducted chiefly through subscriptions raised by the manufacturers themselves, through their British Columbia Bureau, quickly demonstrated that the public were quite ready to meet efforts along these lines. Considerable surprise was expressed from time to time that certain articles could be obtained in British Columbia, and it very soon became apparent to all manufacturers that an extensive effort was required to educate the people of the Province to know what really was produced in British Columbia and where it could be obtained.

The Department of Industries was co-operating whole-heartedly with this movement, and a delegation of the Manufacturers' Association interviewed the Department, with a view to asking further help from them by way of compiling a Directory showing the nature and extent of the industries of British Columbia. This was proceeded with, and a start made in getting out the first issue of the "Department of Industries Directory of the Products of British Columbia." The task was a very difficult one, as nothing of this nature had been attempted heretofore. It was a very simple matter to obtain the various manufacturers, but it proved more difficult to get information showing the articles produced and the various trade-names under which they were sold.

It was decided that best results could be obtained by listing the manufacturers under the headings of the various articles produced, rather than by an alphabetical list of the names of people in the various industries, and in as many instances as possible the Department supplies information in respect to the brand or trade-name under which the various goods were marketed.

In compiling our information the Department made use of records and reports of the Workmen's Compensation Board, the Manufacturers' Association, and Labour Department, and received the whole-hearted assistance of the various officials directing the activities of these departments. We also directed inquiries to all manufacturers in the Province.

The work, being a pioneering effort, could not attain absolute accuracy. We enlisted the co-operation of the Boards of Trade and public bodies in bringing it up to date, and toward the end of the year the Department brought out a second issue which was a decided improvement on the first. This Directory, appended to this report as section (8), is also printed in pamphlet form. It shows 482 different articles produced in the Province and 2,718 establishments operating in British Columbia. During the year the Department issued and sent out 15,000 of these Directories to various merchants, wholesalers, and buyers of British Columbia products, to all Trade Commissioners, British Consular Agencies, Boards of Trade, School Boards, Municipal Bodies and Officials, Women's Associations, and many other people whose position enabled them to influence the opinion and spirit of their community, in furthering the effort to have preference given to British Columbia products.

The progress of British Columbia is measured in terms of the progress and development of its industries, and it is hoped by the Department that these Directories will receive the careful study and checking-over of those interested in British Columbia enterprise; that individuals and associations will constitute themselves an active force in furthering this industrial campaign. Persistent checking is required to obtain the standard of accuracy that will increase the effectiveness and value of this Directory, and the Department will welcome any criticism, correction, and addition to ensure that necessary standard. Local conditions, progress, and change can only be noted by the support of those in the Province who wish to see industry flourish.

The efforts of the Department to further the "Made in British Columbia Campaign," in publishing this Directory, were appreciated by the manufacturers and other people interested. Considerable surprise was expressed by even those having an intimate knowledge of industry at the variety of articles shown and the number of firms doing a manufacturing business in British Columbia. The Directory has also proved to be of considerable interest and benefit in showing opportunities for new lines of manufacture and industry, in that the public are aware of omissions from the list of certain articles that should be manufactured in the Province, and accordingly set about to bring them within the realm of "Made in British Columbia Articles."

The British Columbia manufacturers, catering to a small and too limited market, are forced to put sufficient merit in their product to enable them to sell on the quality and finish of the article against Eastern competition in the competitive markets of the Prairies. The fine quality of the British Columbia product is quite often unappreciated by local people, who consider merit comes from afar. The campaign showed that, in addition to education along the lines of variety of product, something was required to make a practical demonstration in respect to quality.

The Manufacturers' Association has shown considerable enterprise in putting in a permanent exhibit at 933 Granville Street, Vancouver. This exhibit is housed in a large building of five floors and is well worth a visit by every loyal British Columbian when in Vancouver. Up to date this commendable enterprise is entirely supported by the manufacturers themselves, who pay flooring-space rental for the area at their disposal. Attendants are in charge of each floor and visitors made very welcome. In a short inspection the visitors can for themselves obtain an eye picture of the quality and articles turned out in British Columbia. It furnishes free to the public quite as interesting an exhibit and display as can be found at the various fairs held annually in large centres. It also furnishes a very convenient means of showing overseas travellers and people making a cross-country journey through Canada from the Orient what they can buy in Western Canada. In this respect it has already resulted in business for British Columbia plants from casual visits paid to this building by importers journeying from the Orient to Eastern Canada and the States. By inspecting this exhibit they found they could purchase their requirements in British Columbia; their lack of knowledge in respect to local products being quickly satisfied by a brief trip to this display. The Department of Industries took a very keen interest in the establishment and arrangement of this exhibit. It was opened early in 1922. The limited funds placed at the disposal of the Department of Industries made it impossible to date to assist financially in this very worthy enterprise. The exhibit is in no sense confined to the products of Vancouver and vicinity. It is Provincial in its nature, and as such should receive the support of all people and industry in British Columbia. It is well worthy to be made a point of interest requiring a visit by all citizens of the Province when time and circumstances may find them in the City of Vancouver. To the individual furthering the cause of local industry it furnishes a splendid eye picture to show to friends and visitors to give a better appreciation of what is being done in the Province.

## (3.) RESEARCH-WORK ON QUESNEL AND WILLIAMS LAKE CLAYS, WITH A SUMMARY OF CLAY-DEPOSITS AND BRICK PLANTS OF BRITISH COLUMBIA.

Through the personal interest of the Minister of Industries in the extensive white-clay deposits in the Cariboo, at Williams Lake, and Quesnel, on the line of the Pacific Great Eastern Railway, samples were obtained, tested, and analysed. The analysis of the Williams Lake clay showed:—

| | Per Cent. |
|---|---|
| Silica | 72.5 |
| Iron oxide | 1.2 |
| Alumina | 20.1 |
| Lime | 1.0 |
| Magnesia | Trace |
| Manganese | 0.2 |
| Loss on ignition | 4.4 |

This analysis compared most closely to that of the clays of Bendorff on Rhine, Germany, used in making stoneware, and it closely approximates the Berlin porcelain-clay used in making fine white porcelain.

At a temperature of 1,500° C. sample burned, was not fused, and turned out pure white and vitreous.

A washed sample of Williams Lake clay analysed:—

| | Per Cent. |
|---|---|
| Silica | 64.50 |
| Ferric oxide | 0.36 |
| Alumina | 25.62 |
| Lime | 0.28 |
| Magnesia | 0.20 |
| Alkalies | 0.50 |
| Loss on ignition | 8.54 |

The clays of Quesnel on analysis showed:—

| | Per Cent. |
|---|---|
| Silica | 59.16 |
| Alumina | 25.93 |
| Ferric oxide | 1.88 |
| Lime | 0.40 |
| Magnesia | 1.86 |
| Combined alk | 2.82 |
| Loss on ignition | 7.95 |

The Department secured further samples of these clays and succeeded in interesting the pottery-works at Portland in trying out the suitability of the clays. To thoroughly try out any one clay a large range of experiments and different mixes are required. The samples sent did not admit of a thorough test. Very satisfactory results were obtained and excellent samples of ware manufactured from the clays sent by the Department. The ceramic expert undertaking the test reported the Quesnel clay was a very fine-grain clay, but did not develop enough toughness in the short time at his disposal for its treatment, and so to the sample sent he added 20 per cent. English ball-clay and 20 per cent. feldspar.

He reported it to be unsuitable for general white ware. It was not what could be classed as a stoneware-clay, as it would prove too refractory if used alone; too open at cones 6 to 9. It might prove to be a fair firebrick-clay, although he was not qualified to test it in this respect. For a white face of press brick or wall-tile its fine texture and colouring should appeal to an architect.

Very excellent-appearing samples of ware were manufactured from Williams Lake clays. These clays were mixed with 25 per cent. English ball-clay and 10 per cent. feldspar.

The following opinion was expressed: "Considering that no cobalt was used to bleach, the resulting product is very clean. Much better than any Western clay I have yet worked with. It is quite suitable for the manufacture of white tableware, which could be produced very inexpensively. It can be fired at a higher temperature than that at which the samples were fired. Careful preliminary work would be necessary to demonstrate and make plain the possibility of manufacturing ware from this clay. This work should be done in the locality in which it is sought, to establish and awake interest in this project."

The samples sent the Department were two very delicate cast pitchers, in their natural state having a pleasing and attractive creamy-white colouring. The clays at Williams Lake are very extended and can be found over an 11-mile area.

The work of the Department on the above clays, while up to the present only a commencement and not very extensive, has directed attention to the clay resources of the Province, and created a certain amount of interest in the possibilities of establishing a pottery in British Columbia. In the opinion of a large Provincial importer of china, porcelain, stoneware, and art pottery, an opportunity exists at the present time in British Columbia to commence the manufacture of art pottery, employing in the decoration well-known Indian designs and ornamentations. The clays required in this line can be located in many places in the Province, colouring not being essential, as the glazes and decoration provide the required finish and colouring. A small industry manufacturing vases, bowls, trays, pots, souvenirs, etc., in his opinion would find a very ready market at present if a distinctive line of decorative Indian effect were turned out. At the present large quantities of similar ware are now imported from the Orient. Such an industry, having a profitable and ready market to hand, at present would ultimately develop the higher-grade clays like the Williams Lake and others at present unreported. The commencement of the pottery industry in this way would meet with success from its inception, and from the small beginning of art pottery a larger industry manufacturing white tableware could be developed.

To further enterprise in this direction and create interest in the clay resources of British Columbia, the Department has from various records prepared the following summary of ceramic plants in British Columbia now operating, their location, and the products manufactured.

From Dominion and Provincial departmental records we have compiled a summary of the various clay-deposits reported on in the Province, with notations as to the suitability of the clay or shale. Our object in giving publicity to these clay and shale deposits is to awaken interest in this industry to have other as yet unreported deposits investigated, so that the necessary knowledge of the many and possibly valuable clay and shale beds may be brought

to notice and their merit tested to the future benefit of the Province. The Department will welcome receipt of clay and shale samples and arrange for analysis, test, and reports.

The pottery industry dates back to the earliest periods of history, and nations, towns, and districts are known throughout the world in many instances largely through their association with various phases of the earthenware and chinaware industry. Distinctive lines of articles are produced in accordance with the clays of the locality and skill of the people. To date Canada possesses no industry of importance in this line. Stoneware mixing-bowls and heavy ware is manufactured to a small extent in Medicine Hat, Alberta. The clays of British Columbia are of such an extent and variety that, coupled with the availability of silica and feldspar, a pottery industry should be possible. Last year, 1921, Canada imported ceramic products as follows:—

| | |
|---|---|
| Bricks, clays, and tiles to the value of | $1,724,707 00 |
| Earthen and chinaware to the value of | 5,646,719 00 |
| Duty paid on above imports | 1,480,226 71 |
| Cost to Canada of import of clay products | $8,851,652 71 |
| Of the above total Great Britain supplied | $5,262,844 28 |
| Other countries, chiefly United States and Japan | 3,588,808 43 |

The above figures indicate a considerable demand for clay products now supplied by other countries. We have in the Province considerable development in brick, tile, and sewer-pipe manufacture, as the following indicates:—

CERAMIC PLANTS AT PRESENT IN OPERATION IN BRITISH COLUMBIA.

| Location of Plant. | Operator. | Products made. |
|---|---|---|
| Clayburn | Clayburn Co., Ltd | Firebrick, fireclay blocks, pressed brick, mantel and rough-texture brick, chimney-pots, etc. |
| Kilgard | Kilgard Fireclay Co., Ltd. | Fireclay, firebrick. |
| Kilgard | Clayburn Co., Ltd. | Sewer-pipe, pressed brick, hollow building-blocks. |
| Granville Island, Vancouver | Ceramic Industries, Ltd. | Brick, face-brick, pressed brick, fire-brick. |
| Port Haney | Port Haney Brick Co., Ltd. | Common brick, drain-tile, pressed brick, hollow building-blocks, fire-proofing. |
| Victoria | Victoria Brick Co., Ltd. | Brick, tile. |
| Victoria | Baker Brick & Tile Co. | Brick, tile. |
| Victoria | Humber Brick Co. | Brick. |
| Enderby | Enderby Brick Co. | Brick. |
| Okanagan Landing | Lakeside Clay Products Co. | Brick. |
| Kamloops | Johnson & Co., Ltd. | Brick. |
| Sidney Island | Sidney Island Brick & Tile Co. | Brick, tile. |
| Sidney | Bazan Bay Brick & Tile Co., Ltd. | Brick, tile. |
| Gabriola Island | Gabriola Shale Products, Ltd. | Brick. |
| Terrace | Terrace Brick Co. | Brick. |
| Armstrong | Armstrong Brick Works | Brick. |

CLAY-DEPOSITS OF BRITISH COLUMBIA.

*Anvil Island, Howe Sound.*—Plant located here ceased operations and was removed recently to Granville Island, Vancouver. Clay makes a good common brick, and some is being used with shale in the manufacture of dry pressed brick at the plant of the Ceramic Industries, Vancouver.

*Australia Creek (19 Miles South of Quesnel).*—Might be used for common brick if no other clay available.

*Blue Mountain (7 Miles North of Whonnock).*—Red, blue, and grey shales and a variety of clays. The blue can be classed as fireclay. These series of shales and clay should make the basis of a face-brick industry, and could possibly be used for terra-cotta, fire-proofing, sewer-pipe, quarry-tiles, firebrick, etc.

*Bruce Lakes (near Ducks).*—Refractory white clays having excessive shrinkage in burning.

*Clayburn.*—Largest brick and tile establishment in the Province; blue-grey surface clay used for common brick. Two beds of shales are very suitable for manufacture of sewer-pipe, pressed brick, tile, etc. Fireclays about 3 miles from the plant are mined and manufactured into firebrick, which command a considerable portion of the Pacific Coast market. One seam suitable for wall-tile body or pottery-ware; requires washing and only objection is small amount obtained.

*Crowsnest.*—Could be used for dry pressed bricks.

*Chimney Creek.*—Whitest clay; might be worked for low-grade firebrick. Deposit uneven in quality, some being semi-refractory.

*Cranbrook.*—Can be used for common brick and smoother portions for earthenware. Another small deposit would supply a small pottery.

*Cayoosh Creek (near Lillooet).*—Will make a fair common brick.

*Creston.*—Can be used for common brick.

*Comox, Vancouver Island.*—Shale-beds associated with the coal, mostly too gritty or containing too much carbonaceous matter.

*Enderby.*—Plant in operation at this locality; stratified calcerous clay of yellow colour, more refractory than most surface clays. Can be burned hard enough for sewer and other underground brickwork.

*East Wellington.*—Shale somewhat hard and not very plastic when ground.

*Fernie.*—Surface clays make cream-coloured brick. Shales are not adapted to brick-making.

*Fort Steele.*—Makes good common brick and could be used for drain-tile.

*Field (near Mount Stephen).*—Not suitable for brick, but could be used for making cheap art pottery and souvenirs for tourists.

*Graham Island.*—Clays are suitable for brick-making; some refractory. Can be used for boiler-brick, low-grade firebrick, and also face-brick.

*Gordon Creek.*—Suitable for common brick and possibly drain-tile.

*Golden.*—If used for brick would be porous. Could be made into cheap pottery-ware; will take a white tin glaze.

*Gabriola Island.*—Brick plant in operation. Bluish or brownish black shale; burns to a good hard red body.

*James Island.*—Once used by Vancouver Portland Cement Company.

*Kilgard.*—One of the most important shale-deposits in Canada. Fireclay is also found beneath a bed of coal and makes excellent firebrick. Shales are suitable for face-brick, sewer-pipe, and high-grade clay products.

*Kyuquot.*—Residual clay refractory and suitable for pottery-ware and tile.

*Kamloops.*—Brick plant in operation. Weathered portion of a hard laminated silty clay.

*Morrissey.*—Not suitable for brick-manufacture.

*Merritt, Nicola Valley.*—Clay can be used for common brick; a grey shale interbedded with coal and sandstone; vitrifies at cone 13. Could possibly be used for boiler-brick and special shapes for coke-oven trimmings.

*North Saanich (Bazan Bay).*—Twenty feet of stratified clay, yellow and sandy, suitable for soft mud common brick.

*Near Nanaimo, Vancouver Island (West of Mudge Island).*—Not considered favourable for brick-making.

*New Westminster.*—Good common brick-clay.

*Okanagan Landing.*—Soft, highly calcerous silt.

*Porcher Island (near Prince Rupert).*—Could be used for brick-making to supply Prince Rupert.

*Prince Rupert.*—Makes serviceable brick; might possibly be used for drain-tile and pressed brick if stones removed.

*Pender Island.*—Plant located here ceased operations. Hard gritty shale with moderate plasticity when ground.

*Port Haney.*—Surface clays; with treatment and addition of sand make excellent drain and building tile. Plant located there supplies Fraser Valley and Vancouver market. Manufactures common brick.

*Princeton.*—Shales could be used for pressed brick, provided they are mined in connection with the associated coal-beds. Brick plant could be established in the district for the manufacture of common brick.

*Prince George (Giscome Portage, 30 Miles North).*—Clay is sandy in texture, medium plasticity, good working qualities. Intact when burned to cone 26, so is a fireclay. Will make good commercial firebrick or other high-grade clay products.

*Quesnel (8 Miles above Baker Creek).*—Plastic white clay, semi-refractory, can be used as ingredient in pottery body in manufacture of white ware, taking place of ball-clay. Also a semi-refractory grey-white residual clay with low plasticity; can be mixed with plastic clay.

*Revelstoke.*—Suitable for brick-making and possibly drain-tile.

*Ruskin.*—Clays make good dry press brick.

*Smithers (East Bank of Bulkley River, between Telkwa and Hazelton).*—Can be used for common brick or drain-tile.

*Spences Bridge (North Side of Thompson River).*—Makes fair-grade common brick and might be used for drain-tile.

*Sidney Island.*—Plant in operation makes good common brick. Clay suitable for drain and building tiles.

*Silverdale.*—Can be used for common brick and possibly drain-tile.

*Terrace.*—Plant in operation manufacturing common brick. Surface clays with good plasticity and working qualities.

*Tod Inlet.*—Yellow sandy clay suitable for common brick.

*Vancouver.*—Plant on Granville Island. Surface clays suitable for brick-making. Shales occur on south side of Burrard Inlet and west of Barnet. The grey shale is semi-refractory; it cracks in drying. Satisfactory results obtained by Ceramic Industries in manufacturing a good red brick from shales excavated from basements in certain sections of the city.

*Victoria.*—Red-burning surface clays. Two plants operating, manufacturing common brick and drain-tile.

*Williams Lake.*—Extensive deposits, white-burning residual clay. Analysis closely approximates high-grade porcelain-ware clays and will probably be used as the chief ingredient in the manufacture of white-ware goods.

*Windermere Lake, Kootenay Valley.*—Not suitable for common brick, but can be used for porous partition-blocks if plastic clay is added. Could be used to make scouring-bricks.

## (4.) INDUSTRIAL PROGRESS IN AGRICULTURAL LINES.

The president and several directors of the British Columbia Berry-growers interviewed the Department to enlist its aid and assistance in establishing precooling plants in the berry-producing areas of the Province, so that a wider distribution of fruit could be effected. The Department was unable to grant financial aid, but saw to it that all information and particulars were placed before the Agricultural Committee and Department; that plans and information required were in order, so that it was possible to have assistance approved for two plants, one at Port Haney and one at Chilliwack.

At the present time British Columbia berries are handled by precooling plants at Victoria, New Westminster, Maple Ridge, and Hatzic, so that with the addition of the present two plants the berry industry will be well looked after in so far as marketing of fresh fruits is concerned.

The co-operative movement so manifest in this organization of berry-growers was, we considered, worthy of the fullest support, and if an initial success is made will no doubt be of great benefit to the industry. At present primarily interested in the proper marketing and distribution of fresh fruits, it will, as in sections in the States to the South, branch out in the further manufacture and canning of fruit and vegetables; the manufacture of boxes, crates, pails, and other requirements. The wave of co-operation actuating the various branches and commodities in the farming industry constitutes one of the most hopeful signs of the year for future industrial progress. This co-operative movement, founded on necessity through the marketing failure of the 1922 crop, has been assisted and encouraged by the Agricultural Department, farm and daily papers to such an extent that success, in so far as getting together, seems assured.

British Columbia at present markets too many products in the raw state—copper, zinc, lumber, lead, silver, fish, and particularly agricultural products. At the same time canned soups, vegetables, fruits, etc., are imported in large quantities. The co-operative movement, if loyally supported, should meet the same development here as in the other places and right this condition in time, so that not only will the local market be supplied, but fruit and vegetable

products, canned, dehydrated, and preserved, will receive a world-wide distribution. The future of the Province in this line is limited only by the agricultural population and the necessary capital to initiate the project. It is not likely that a solution will be found from outside. The start made in precooling plants should be further enlarged and developed to provide for a still greater distribution.

During the year an effort was made to use the surplus loganberry and blackberry crop in the manufacture of juices and wines. At Victoria, Saanich, and Dewdney excellent results were obtained. At Victoria the Kershaw Manufacturing Company produced for the first year 1,000 gallons of very fine juice from loganberries. They intend to enlarge their production in future, as there is a good market for these fruit-juices. The Department believes that this Province, suited to the growing of loganberries, could market large quantities of juices. Accordingly, we give herewith the following particulars, supplied by the Department of Agriculture, as the procedure to follow to manufacture non-alcoholic juice:—

LOGANBERRY-JUICE.

In selecting berries for manufacturing juice, great care should be used in choosing none but fully ripe berries. These are superior to the green berries on the one hand, or the overripe ones on the other hand. The fully ripe berries give a great reduction in acid content and a large increase in sugar content. Half-ripe, green, or mouldy berries will not make a high-grade product.

*Commercial Handling.*—In making juice on a commercial scale, one should always keep in mind cleanliness. Everything about the machinery should be kept clean. One should occasionally thoroughly flush out all machinery with scalding water or disinfectants. Live steam can often be used to advantage. If possible, flush floors, soiled walls, etc., with plenty of pure water every evening.

The berries should first be mascerated. This is generally done by running them through rollers. They are then pressed in cheeses in hydraulic presses, after which the juice is pumped from the presses to the settling-tanks. These may be glass-lined or porcelain-lined, or may be made of wooden staves. It is well to have the walls slightly tapering. Often some form of cheesing is used for the inside. If one can have the settling-tanks in a cold-storage room it is an advantage.

After the juice has settled it is generally drawn into large containers. The large glass containers are ideal, but are sometimes very difficult to obtain. These are lacquered inside and are of the same size and shape as those used for oils and gasolene. One must be very careful to have the containers absolutely clean. They are either washed or sterilized with live steam. Automatic bottle-washers can be purchased on the market or your local plumber can easily make one.

The juice is then heated, but should never be boiled. The degree of heating will take from 180° to 212° F., but should never be held at 212° F. A high-grade thermometer should be used in testing the juice. The juice may be sterilized in tanks containing hot water, or it may be rolled on trucks into a sterilizer especially manufactured on the market for such purposes.

When the juice is to be bottled it is taken from the containers and very carefully filtered. Machines such as filters and bottle-fillers should be silver-lined, as the juice will work on unprotected metals such as iron and tin. It is desirable to filter considerably in order to make an attractive juice. On the other hand, excessive filtration sometimes seems to affect the quality. There is no one single filter being employed by manufacturers, but numerous ones are being experimented with.

After filtering the juice is bottled. The Crown-type bottle is very attractive. The juice may be carbonated at the time of bottling. There are certain problems in relation to filtering and carbonating that are not always understood. Some houses in attempting to handle this product have been troubled with an accumulation of heavy precipitates. It is difficult to handle fruit-juice and not secure more or less precipitation. It is only by practising skilful methods and using great care that one can avoid it.

The juice is being put on the market in three forms—as a beverage, as a so-called concentrate, and as a syrup. In the beverage form from 3 to 5 lb. of sugar is used per gallon and the juice is diluted in drinking strength before being bottled. In the concentrated form from 3 to 6 lb. of sugar is used per gallon and the juice is not diluted. The purchaser practises the

dilution. With syrups more sugar is added than with the concentrated and the heavy syrups are manufactured for the soda-fountain trade.

In the manufacture of loganberry-juice there are certain waste products. The pulp can probably be utilized in various ways. The seeds seem to contain an oil which may have some commercial value. There is a large quantity of pectin which can be used in jell-manufacture. The pomace would probably have some value as a stock-food, as it is especially rich in protein, fats, and carbohydrates. It contains, however, much acid.

*Manufacture on a Small Scale.*—In manufacturing loganberry-juice in small quantities, place the berries on a stove in a kettle and heat until they become soft, but never bring them to the boiling-point. The heating and softening of the berries enables one to extract the juice more easily. The berries should then be pressed. Some hand-presses can be purchased on the market which are fairly satisfactory. If one has an old-fashioned barrel-slat cider-press it can be utilized very nicely. For juice-manufacture a larger percentage of juice will be secured and more satisfactory results obtained if cloth and racks are used instead of a slatted barrel. Quite heavy cloth should be used to build up cheeses to be placed between the racks.

After the juice has been extracted it may be filtered. Small filters can be obtained on the market, or a certain amount of filtering can be done with filter-papers and by decanting. Small filters are for sale on the market that will give very satisfactory results.

The juice is now placed on the stove and sugar added. From 3 to 5 lb. to the gallon will make a very satisfactory beverage. The juice should be thoroughly heated but never boiled. It will be advisable to submerge the bottles or containers in boiling-hot water. Bottles are very satisfactory for holding of juice. After the bottle is filled drive in the cork so that the top is ¼ inch below the top of the bottle. Corks should have been submerged in boiling water. Do not pass hands over portion of cork that enters bottle. Fill in with warm paraffin. It is well to put on the paraffin several times to aid in the preservation of the juice. If heavy settlings occur in a few days the juice may be opened and decanted or filtered carefully and reheated and bottled again. With some methods more or less accumulation of solids will occur and these will settle in the bottom of the bottles. By a little care when the bottles are opened, however, most of the juice can be poured off in a fairly clean condition. Loganberry-juice well put up will keep indefinitely and can be utilized in many ways, such as for punches, flavouring ice-cream, sherbets, etc.

### Wine and Cider Manufacture.

The loganberry, it is claimed, is a natural wine-producing berry and during the year tests were carried out in wine-manufacture in Saanich. These tests resulted in the production of a very fine deep-red-coloured wine, with an alcoholic strength of 21 per cent. The Department of Industries investigated the possibilities of this industry and supplied the people interested with full particulars as to regulations for manufacture. The growers concerned and the Department are endeavouring to interest the Liquor Control Board to place wine of this nature on the market and so develop a native-wine industry in preference to Ontario and foreign wines now extensively purchased in the Province. A sympathetic hearing was given and the fruit-growers from the tests made are convinced they can add to the success of growing loganberries by the production of wine from their surplus berries.

The same considerations apply in the use, distribution, and purchase of cider, and efforts in this respect are being made by the Vernon fruitmen to have British Columbia cider substituted for some beverages now sold. The interest shown by the Liquor Control Board should warrant developments in the wine and cider industry in the Province the coming year.

### Cultivation of Drug-yielding Plants.

To ascertain the possibility of cultivating economically in British Columbia several essential oil- and drug-yielding plants, Professor R. H. Clark and J. Davidson, of the University of British Columbia, carried on experiments during the year 1922. The investigations made indicate that the results obtained by storing the bark of the *Cascara sagrada* for three years previous to use can be produced quickly by chemical means; for this purpose the bark is submitted to the action of hydrogen peroxide, and tests made at the Vancouver General Hospital with bark so treated have been satisfactory. The *Cascada sagrada* wood was next examined to see if it contained enough active constituent to pay for extraction; solutions are being tested at the Vancouver

General Hospital and by the Parke-Davis Company, Detroit. A preliminary report from the hospital shows the surprising result that the wood is practically as active as the bark, and this result, if fully confirmed, will mean a wonderful conservation of the fast-disappearing cascara-tree, as the bark does not constitute more than 5 per cent. of the tree. Investigations of British Columbia *Digitalis purpurea* indicate that the strength of the extract compares most favourably with standards. *Hydrastia canadensis* (golden-seal), *Mentha piperita, Mentha spicata, Polygala senega* (Seneca snake-root), and other drug plants are being grown at the University Experimental Farm. Investigations have also been made into the salicin content of British Columbia willows and poplars and the tannin content of Pacific Coast conifers.

Industrially, agriculture in British Columbia offers opportunity for the following expansion, in addition to that outlined above: The establishment of exporting flour-mills in Vancouver and vicinity; the establishment of the new-type small flour and meal mills in settlements, towns, and districts in the Interior, such as Pouce Coupe, Quesnel, Fort George, Bulkley Valley, Courtenay, and elsewhere; the dehydration of fruit and vegetables; canning of fruit and vegetables, particularly development in growing and canning asparagus and spinach for export; the growing and marketing of bulbs; the growing and marketing of flower, fruit, and vegetable seeds; for these latter the recently reclaimed area of Sumas would seem to afford suitable land for this development.

Considerable development in the medicinal plant and seed culture has already been made on the lower end of Vancouver and adjacent islands.

During the year the Department of Industries furnished several districts with particulars in reference to flour-mills, dehydrating and cannery plants. To these and other developments we are ready to lend our assistance and will furnish on request information to persons or organizations interested.

## (5.) WESTMINSTER PAPER-MILL.

The paper-mill erected at New Westminster this year is a striking instance of the value of secondary industries to the Province. Prior to its establishment fruit-wrappers, toilets, crepe napkins, and towels all came from Eastern Canada and the States. The Okanagan District alone required between forty and fifty car-loads of fruit-wrappers. The establishment of the Westminster plant has resulted in a reduction of 35 per cent. to the consumer on all lines manufactured by them, and has given the Province a much better quality at these reduced prices.

This new firm is located on the North Arm of the Fraser River at New Westminster. The company has, as directing officials, J. J. Herb, President; M. F. Herb, Vice-President and Sales Manager; H. M. Fort, Secretary-Treasurer; and R. F. Arnett, Assistant Sales Manager. All these people have a lifelong experience in the paper industry.

The buildings are of two-story construction and were erected on record time, construction commencing on July 1st and the first paper turned out December 22nd. The machine-room is of concrete and brick construction and contains the beaters, Jordon engines, and other pulp-preparing machinery. The paper is produced on a large Yankee Fourdrinier machine and finally put through a creping process, a machine constructed to produce a soft effect. The cutting and wrapping machines are established in a large finishing-room of mill construction, where packing and shipping are completed. The plant is designed to admit of easy enlargement, as the architect left on each building extensions for doubling the capacity of the plant. To date the plant cost $350,000.

In addition to fruit-wrappers, crepe, toilets, and tissues, the company manufacture M.G. Kraft, Coloured Kraft, white and coloured drug wrappings, second sheets of any colour. As a secondary industry allied to pulp production, this company was the first in Canada to purchase and manufacture in Canada British Columbia pulp from the Whalen Pulp and Paper Company. Heretofore all its pulp was sent to the United States to be completed. Every article except one entering into the manufacturing operations of this company is produced in British Columbia. Materials purchased in value monthly total $18,000. The plant employs sixty persons, all white labour, with a monthly pay-roll of $8,000. While most people employed in the operations were former residents of New Westminster, the establishing of the industry added ten families of skilled operators to the district.

The company's product is sold on the Prairies, in the fruit districts of British Columbia, and Washington, and trial shipments have been made to Australia and New Zealand. The

success of this industry and its future extension is, however, largely dependent on the support of the home market. This company, like others establishing in British Columbia, meet with ruthless competitive tactics to secure the British Columbia market, and as the latest new and non-competitive British Columbia industry is deserving of 100 per cent. support of British Columbians. In sales-tax alone the company already contributes over $500 per month to the administration of the Dominion Government. The Department put forward the above particulars in reference to this latest addition to British Columbia's fast-increasing industry as an illustration of the benefit of industrial enterprises of this nature to the town, district, Province, and Dominion in increased wealth and tax-producing capabilities.

## (6.) REPORT ON "GIGER'S SECTIONAL RETORT FOR THE DISTILLATION OF SAWDUST, LIGNITE, AND SHALE."

The possibility of utilizing the wood-waste of British Columbia has been a problem for the millman for some time. At present between 5,000 and 15,000 tons of wood-waste are burned daily in and around Vancouver at a cost to the mill-owner of 50 cents a ton.

In the last year's report of the Department of Industries the work carried on by the Advisory Council for Industrial and Scientific Research was given prominence with a view to interesting people in British Columbia in this problem.

During the year Mr. Giger, engineer of the plant of P. Burns & Co., Vancouver, brought out an invention for the carbonizing and distillation of lignite and shale. On examination this plant seemed to lend itself to adaptation for the handling of wood-waste also. The results obtained would seem to justify further consideration for a purpose of this nature and further work to definitely prove out possibilities. The Department engaged a chemical engineer experienced in this class of work to make a preliminary report of this plant. He reports as follows:—

"On examination I found that Mr. Giger had tackled the problem in an entirely novel (at any rate, so far as this country is concerned) manner, his retort being on a sectional principle, which is a distinct departure from previous practice in coal-carbonization, the accepted methods being on straight distillation lines such as are being used almost universally for gas-manufacture. In straight distillation the whole of the volatile products contained in the material are driven off at high temperature, condensed to liquid in one condenser, and afterwards redistilled for the purpose of separating the various products. Giger's method is to carry out the carbonizing in stages at different temperatures, and collect the products given off at each stage separately, a considerable improvement from both a theoretical and a practical point of view.

"In the straight distillation process the material to be carbonized is run into a retort which is externally heated to a high temperature, resulting in the whole of the products being exposed to a greater heat than is necessary for the production of some of them, and this causes these products to be converted into other products which possess no commercial value.

"By the 'Giger' method these low-temperature products are driven off and collected before the material passes into the higher-temperature chambers, and it may be possible, when research-work and experiments are carried out, to collect the whole of the various products contained in the material, and thus add greatly to the value of the method as it now stands.

"In addition to the above advantages, there are marked differences in the products from sawdust treated by Giger's method to the products obtained in other plants, and research-work ought to be carried out to determine the uses and value of these products.

"From my observation of the tests carried out on coal and lignite there seemed a distinct possibility that Giger's method could be very successfully applied to the utilization of the wood-waste from sawmills, and with that idea in mind a series of tests were carried out on wood-waste which have been, from a theoretical point of view, exceedingly promising. One of the tests was carried out in the presence of Mr. Brown, chemist to the Vancouver Gas Company, and who kindly made analyses and tests of the gases given off from the sawdust, and G. S. Eldridge, B.Sc., Provincial Analyst, together with the writer.

"Due to a mechanical fault the test, which was intended as a quantitative one, had to be abandoned, but the analyses carried out by both Mr. Brown and Mr. Eldridge of the products of this test confirmed my opinion that Giger's method was a distinct advance over previous methods of wood-distillation.

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"In his report Mr. Eldridge states: 'The idea involved in this four-stage distillation is a good one, having advantages over the best previous machines, which were conducted by varying the temperature in a single retort. This involved an intermittent process, and consequent loss of time and reduction in capacity, as against the continuous process of this machine. We consider that changes might be made in the design to increase the capacity and utilize the waste gases as a source of heat for the distillation and to make a greater recovery of the alcohol, acetic acid, and turpentine oils, much of which is lost in this type of apparatus.'

"The products from the sawdust used in this test included benzenes, turpentine oils, alcohol, acetic acid, light oils, resins, heavy oils, pitch, and charcoal, and a very large volume of gas of a heating value equal to the standard of town gas produced from coal.

"The plant used for the above experiment with sawdust has been constructed to deal with the distillation of coal and shale and was not so suitable as one would be if designed solely for sawdust-distillation, and this point is mentioned by Mr. Eldridge in the concluding sentence of his report.

"The separation of the various products was very distinct and the yields of each remarkable, and there is no doubt that if a plant could be constructed on Giger's principle on a semi-commercial scale, and detailed experiments conducted with it, very interesting data would be obtained. If this plant proved a success a commercial unit could be designed from the results obtained. This could be tried out, and if still successful would solve the question of the disposal of wood-waste, which has been a millstone round the necks of the mill-owners for years.

"It has been the aim of inventors for years past to devise adequate means for dealing with this problem of utilizing wood-waste and scores of patents have been taken out for this purpose, but all have failed in one respect or another. It is a well-known fact, proved by bulletin reports of the Canadian and United States Forestry Departments, that the products derived from the distillation of wood-waste are of considerable commercial value, and if they can be produced by means of a plant, which is simple in construction, efficient in operation, and gives the maximum yield possible, then it is only a question of time before a new industry will be created from a waste product within the Province and the sawmills released from the heavy disposal of what is at present not only a costly nuisance, but a distinct handicap to the industry when meeting foreign competition.

"The field for this type of apparatus is a very wide and useful and profitable one, differing in the last particular from hardwood-distillation, due to the fact that the raw material for hardwood-distillation has to be bought, whereas for softwood-distillation the raw material is waste product of no value and of which very large quantities are available.

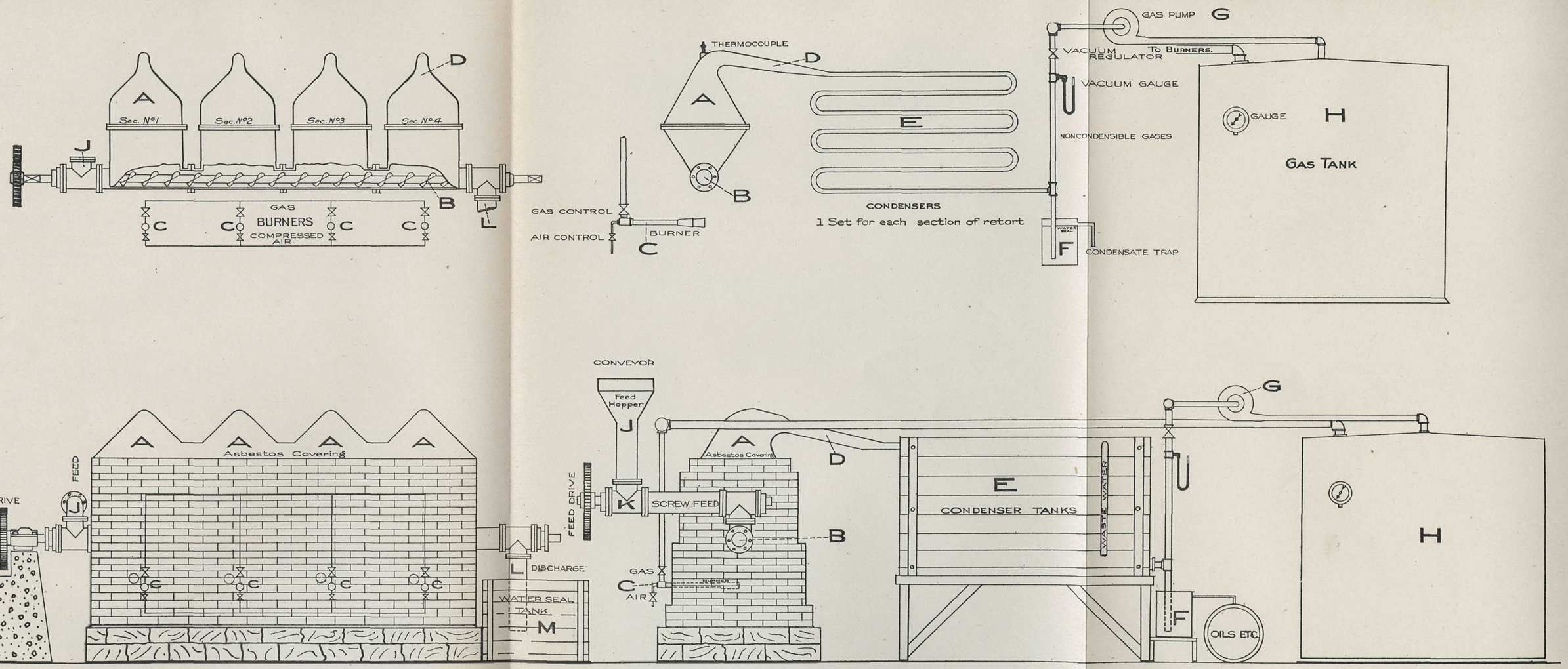
"The 'Giger Sectional Retort,' of which a blue-print is attached, consists of four chambers or retorts 'A,' coupled together by short tubes 4 inches inside diameter; through the four chambers runs a worm conveyor 'B,' the retorts being set in brickwork, in which are formed four separate furnaces, each of which is capable of being maintained at given temperatures by means of gas-burners 'C,' with regulating device. The outlets 'D' of the retorts are connected to tubular condensers 'E,' which are water-cooled and which condense the vapours to liquids. These liquids are run off at the trap 'F,' while the non-condensable gases are drawn off by pump 'G' to gas-holder 'H.'

"The material is fed into hopper 'J,' from which it is carried by a cross-conveyor 'K' on to the worm conveyor 'B,' which propels it gradually from chamber 'A' to chamber 'A 4,' during which time it is gradually raised in temperature, which causes the volatile matters contained in the material to be driven off through outlet 'D' to be condensed in 'E' and collected from trap 'F.' The material after passing through the chambers is discharged down pipe 'L' into tank 'M,' where it is quenched or cooled."

This retort has been patented by Bert Giger, 1621 Cotton Drive, Vancouver, B.C., the designer and inventor, whose name it bears.

## (7.) INDUSTRIAL DEVELOPMENT FUND.

| RECEIPTS. | | DISBURSEMENTS. | |
|---|---|---|---|
| To Balance at credit of fund, January 1st, 1922 | $14,687 60 | By Disbursements on account of loans granted | $53,908 22 |
| Refunds of loans and interest | 84,647 59 | Balance at credit of fund, December 31st, 1922 | 45,426 97 |
| | $99,335 19 | | $99,335 19 |




SHOWING THE
"GIGER" RETORT
FOR ALL
CARBONACEOUS MATERIAL

# DIRECTORY OF BRITISH COLUMBIA INDUSTRIES.

### ABRASIVES.

Western Abrasive Paper Company, Ltd., 913 Mason Street, Victoria.

### ACETATE OF LIME.

Acetate Products, Ltd., New Westminster.

### ACETYLENE.

Compressed Gas Company, Ltd., 1530 Hastings Street East, Vancouver. "Our Own C.G.C.O."
L'Air Liquide Society, Yukon and Fifth Avenue, Vancouver.

### ACIDS.

Triangle Chemical Company, Ltd., New Westminster.
Nichols Chemical Company of Canada, Barnet.
Victoria Chemical Company, Ltd., Victoria.
Nitrogen Products Company, Ltd., Lake Buntzen.

### ADHESIVES.

Columbia Printing & Roller Company, Vancouver.
Laboratories & Manufacturing Company, Cordova and Cambie Streets, Vancouver.
Peerless Products, Ltd., 1642 Pandora Street, Vancouver. "Peerless."

### AEROPLANES.

Hoffar Motor Boat Company, Vancouver.

### ALCOHOL, INDUSTRIAL.

British Columbia Distillery Company, Ltd., New Westminster.

### ALCOHOL, WOOD.

Acetate Products, Ltd., New Westminster.

### ALE.

British Columbia Breweries, Ltd., Vancouver.
Enterprise Brewing Company, Revelstoke.
Fernie-Fort Steele Brewing Company, Fernie.
Rainier Brewing Company, Ltd., Kamloops.
Victoria-Phoenix Brewing Company, Ltd., Victoria.
Westminster Breweries, Ltd., New Westminster.

### ALE, GINGER.

(*See* Water, Aerated.)

### ALUMINUM.

Aluminum Products, 455 Homer Street, Vancouver.
Star Brass Foundry, Vancouver.

### AMMONIA.

Holsum Products, Ltd., 851 Fisgard Street, Victoria.
Kelly Confection Company, Ltd., 1106 Mainland Drive, Vancouver.
Malkin, W. H., Company, Ltd., Vancouver. "Tropical."
Pendray, W. J., & Sons, Ltd., Victoria. "Pendray's."

### AMMONIA, LIQUOR.

Vancouver Gas Company, Vancouver.
Victoria Gas Company, Victoria.
Granby Consolidated Mining, Smelting & Power Company, Anyox.

### AMMONIA, SULPHATE OF.

Granby Consolidated Mining, Smelting & Power Company, Vancouver.
Victoria Gas Company, Victoria.
Vancouver Gas Company, Vancouver.

### APPLES, CANNED.

Laurel Canners, Ltd., Saanich.
Port Dalhousie Canning Company, Ltd., Vernon.

### APPLE BUTTER.

B.C. Vinegar Works, Vernon.
Loumindon Fruit Confections, Ltd., Penticton.
Okanagan United Growers, Vernon.

### Apples, Evaporated.

Grahams, Ltd., Vernon.
O.U.G. Fruit Products, Ltd., Vernon.
Orchard City Evaporating Company, Kelowna.

### Anchors.

Hendry Foundry Company, 360 Front Street West, Vancouver.
Mainland Engineering Works, 503 Powell Street, Vancouver.
Progressive Engineering Works, Ltd., 900 Powell Street, Vancouver.
Ross & Howard Iron Works, Ltd., foot of Woodland Drive, Vancouver.
Vancouver Engineering Works, Ltd., 519 Sixth Avenue W., Vancouver.
Victoria Machinery Depot, Ltd., Victoria.

### Aprons.

Jas. Thomson & Sons, Ltd., Vancouver. "Twin Bute."
Jobec, Ltd., 1498 Pender Street West, Vancouver.
Herman's Uniforms, 317 Cambie Street, Vancouver.
Turner, Beeton & Company, Ltd., Victoria. "Big Horn."

### Art Glass.

O'Neill, W. N., Company, Ltd., Vancouver and Victoria.

### Asbestos Goods.

H. Bailie & Co., 1080 Main Street, Vancouver.

### Asphalt.

Barrett Company, Ltd., Vancouver.
Imperial Oil, Ltd., Ioco.
Sidney Roofing & Paper Company, Ltd., Victoria.
Union Oil Company, Ltd., Port Moody.

### Asphaltum.

Ayres Varnish & Paint Company, Vancouver.
British Columbia Refining Company, Ltd., Vancouver.
Sidney Rubber Roofing Company, Ltd., Victoria.

### Automobile Bodies, Tops, and Trimmings.

Abercrombie & Craig, 1460 Seventh Avenue West, Vancouver.
Automobile Body Builders, 1253 Howe Street, Vancouver.
B.C. Auto Top Company, 1251 Howe Street, Vancouver.
Berry, J., 135 Broadway East, Vancouver.
Black Brothers, Ltd., 1115 Homer Street, Vancouver.
Cox & Perkins, 931 View Street, Victoria.
Goddard, J. S., Vancouver.
Grimm Brothers, 650 Pembroke Street, Victoria.
Hall & Wallace Automobile & Carriage Works, 573 Beatty Street, Vancouver.
Hurren, W. M., 1369 Richards Street, Vancouver.
Jones, George, 571 Beatty Street, Vancouver.
Meston, John, & Company, Ltd., 1407 Broad Street, Victoria.
Pioneer Auto and Carriage Works, 966 Richards Street, Vancouver.
Roote Auto Top Company, 740 Pacific Street, Vancouver.
Sanders Auto Top Company, 928 Johnson Street, Victoria.
Singleton, J. E., 1251 Howe Street, Vancouver.
Truck & Auto Body Builders, 1067 Richards Street, Vancouver.
Tupper & Steele, Ltd., 1669 Third Avenue West, Vancouver.
Victoria Auto Rebuilding Factory, Caledonia and Blanshard Streets, Victoria.

### Auto-bumpers.

McAllister Spring Company, 1132 Richards Street, Vancouver.

### Automobile Name-plates.

Tacey, J. R., & Son, 550 Sixth Avenue West, Vancouver.

### Auto Shock-absorbers.

Golightly Bros., 771 Cordova Street East, Vancouver.

### Auto Sunshades.

Tacey, J. R., & Son, 550 Sixth Avenue West, Vancouver.

### Auto Windshields.

Tonneau Windshield Company, 1272 Granville Street, Vancouver.

### Awnings.

Davidson, L. H., Vernon.
Grant-Holden-Graham, Ltd., 1260 Hamilton Street, Vancouver.
Hoskin, John W., 41 Sixth Avenue, New Westminster.
Jones, C. H., & Son, Ltd., 28 Water Street, Vancouver.
Jeune, F., & Bro., Ltd., Victoria.

AWNINGS—*Continued.*

Lipsett, Cunningham & Company, Ltd., Prince Rupert.
Lipsett, Ed., 68 Water Street, Vancouver.
May, John, Nanaimo.
Nugent, H. M., & Company, 48 Water Street, Vancouver.
Prince Rupert Tent & Awning Company, Ltd., Prince Rupert.
Rigby, George, 828 Fisgard Street, Victoria.
Victoria Tent Factory, 618 Pandora Street, Victoria.

BABY-CARRIAGES.

Shaw Manufacturing Company, Ltd., Telford Avenue, East Burnaby.

BABBITT METAL.

Canada Metal Company, Ltd., 1428 Granville Street, Vancouver.
Great Western Smelting & Refining Company, 146 Dufferin Street East, Vancouver.

BAGS, JUTE AND COTTON.

Canadian Bag Company, Ltd., 1152 Mainland Street, Vancouver.

BAGS, LEATHER.

(*See* Leather Bags, Trunks, etc.)

BAGS, CAMPING AND SLEEPING.

Jeune, F., & Bro., Ltd., Victoria.
Grant-Holden-Graham, Ltd., 1260 Hamilton Street, Vancouver.
Jones, C. H., & Son, Ltd., 28 Water Street, Vancouver.
Lipsett, Edward, 68 Water Street, Vancouver.
Nugent, H. M., & Company, 48 Water Street, Vancouver.
Turner, Beeton & Company, Ltd., Victoria.

BAGS, DUNNAGE.

Jeune, F., & Bro., Ltd., Victoria.

BAITS, SPOON.

Clendon Tool & Stamping Works, 135 Hastings Street W., Vancouver.
Gibbs Tool & Stamp Works, 356 Dufferin Street West, Vancouver.
Lenfesty, W.N., 1324 Government Street, Victoria.

BARRELS, WOOD (ALL KINDS).

Canadian Western Cooperage, Ltd., Victoria and Vancouver.

BARRELS, WINE AND VINEGAR.

Wilkinson, Herbert, 3510 Saanich Road, Victoria.

BASKETS, WILLOW.

Wakefield, E. J., 56 Dufferin Street East, Vancouver.

BASKETS, BERRY.

B.C. Manufacturing Company, Ltd., New Westminster.

BATHING-SUITS, KNITTED.

Pride of the West Knitting Mills, Ltd., 500 Beatty Street, Vancouver. "Pride of the West."
Quigley Knitting Mills, Ltd., 78 Dufferin Street E., Vancouver. "Q."
Universal Knitting Company, Ltd., 303 Pender Street West, Vancouver. "Universal."

BATTERIES.

Guaranteed Auto Services, 548 Georgia Street, Vancouver.

BATTERY-ACID.

Triangle Chemical Company, Ltd., New Westminster.
Nichols Chemical Company of Canada, Ltd., Barnet.

BATTERY SEPARATORS.

B.C. Manufacturing Company, Ltd., New Westminster.
Acme Box Company, 1067 Richards Street, Vancouver.

BEAMS, BRIDGE, ETC.

New Westminster Iron Works, New Westminster.

BEAVER-BOARD.

Barrett Company, Ltd., Tenth Avenue West, Vancouver.

BEDS.

Restmore Manufacturing Company, Ltd., Vancouver. "Restmore."
Simmons, Ltd., 2034 Eleventh Avenue West, Vancouver. "Simmons."
Victoria Bed & Mattress Company, Victoria.
Dowling Manufacturing Co., 266 Dufferin Street, Vancouver

BEDROOM SUITES.

(*See* Furniture.)

### Beds, Spring.

Kootenay Wire Works, Nelson.
Restmore Manufacturing Company, Ltd., Vancouver.
Simmons, Ltd., Vancouver.

### Bedsteads, Iron and Brass.

Restmore Manufacturing Company, Ltd., Vancouver.
Simmons, Ltd., Vancouver.

### Bee Supplies.

Beaton, R., Matsqui.
Derrick, H. C., 4103 Pandora Street, Vancouver.
McLeod Sash & Door Company, Ltd., 1251 Charles Street, Vancouver.
Nelson Hardware Company, Nelson.
Varty, G. H., & Son, White Rock.

### Beer, Lager.

British Columbia Breweries, Ltd., Vancouver.
Fernie-Fort Steele Brewing Company, Fernie.
Nelson Brewing Company, Nelson.
Rainier Brewing Company, Ltd., Kamloops.
Silver Spring Brewery, Ltd., Victoria.
Vernon Brewery, Vernon.
Victoria-Phoenix Brewing Company, Ltd., Victoria.
Westminster Brewery, New Westminster.

### Benzol.

Granby Consolidated Mining, Smelting & Power Company, Vancouver.

### Benzene.

Imperial Oil Company, Ioco.

### Binder-twine.

Canada Western Cordage Company, Ltd., New Westminster.

### Biscuits.

National Biscuit & Confection Company, Ltd., 1706 First Avenue West, Vancouver. "Red Arrow"; "National."
Ormonds, Ltd., Victoria.
Ramsay Brothers & Company, Ltd., 990 Powell Street, Vancouver. "Family"; "Best by Test."

### Blankets.

Canada Western Woollen Mills, Ltd., 440 Clark Drive, Vancouver.

### Blasting-powder.

Canadian Explosives, Ltd., Vancouver.
Giant Powder Company of Canada, Ltd., Victoria.

### Blouses and Shirtwaists.

Batiste Costume Company, 445 Granville Street, Vancouver.
Comfort Blouse Manufacturing Company, 367 Granville St., Vancouver.
Dall Real Lace Company, Ltd., 615 Granville Street, Vancouver.
Finlayson, H. L., 318 Homer Street, Vancouver.
Vanity Waist & Neckwear Company, Ltd., 136 Water St., Vancouver.
Vancouver Garment Manufacturing Company, Ltd., 135 Hastings Street West, Vancouver.

### Blocks, Hollow, Concrete, and Building.

Clayburn Company, Ltd., Clayburn.
Henson & Company, Gorge Road, Victoria.
(New) Baker Brick & Tile Company, Victoria.
Sidney Island Brick & Tile Company, Sidney Island.
Port Haney Brick Company, Ltd., Port Haney.
Polychrome Cement Company, Ltd., Vancouver.

### Blocks, Logging.

Vancouver Engineering Works, Ltd., Vancouver.

### Blue, Laundry.

B.C. Products, Ltd., 860 Cambie Street, Vancouver.
Kelly Confection Company, Ltd., Vancouver.
Pendray, W. J., & Sons, Ltd., Victoria. "Pendray's."
Royal Crown Soaps, Ltd., Vancouver.

### Boat and Launch Builders.

Anderson, Lendow & Ternstron, 242 Hastings Street East, Vancouver.
Beach Avenue Shipyards, 964 Beach Avenue, Vancouver.
City Boat House, Ladysmith.
Cates & Son, North Vancouver.
Chappell Brothers, foot of Denman Street, Vancouver.

BOAT AND LAUNCH BUILDERS—*Continued.*

Columbia Motor Works, Cowichan Bay.
Cranes Shipyard, Ltd., North Vancouver.
Dafoe, V. M., 1200 Powell Street, Vancouver.
Davidge, J., Maple Bay.
Dopson, S., Alberni.
Durant, C., Nahun.
Elford Boat Company, Nelson.
Easthope Brothers, 129 Georgia Street West, Vancouver.
Ericksen Brothers, North Vancouver.
Frisbee, Walter, Ewing's Landing.
Hales, Geo. W., c/o James Logging Company, Cowichan Lake.
Hale's Boatyard, Nelson.
Hoffar Motor Boat Company, 1969 Georgia Street West, Vancouver.
Jones, A. J., Kelowna.
Layard Brothers & Swan, Deep Cove.
Leighton, Peter, Metlakatla.
Lindsay Pleasure Boats, Ltd., 916 Powell Street, Vancouver.
Linton, A., & Company, Ltd., 1737 Georgia Street West, Vancouver.
Masters, H. A., McDonald's Landing.
Masters, H. A., Nelson.
Menchions, W. R., 1705 Georgia Street West, Vancouver.
Mercer Star Shipyards, Lulu Island.
Okanagan Lake Boat Company, Ltd., Naramata.
Orwig, T. M., Prince Rupert.
Pascoe & Company, Ltd., Georgia and Denman Streets, Vancouver.
Port Alberni Shipyards, Port Alberni.
Port Alberni Boat & Launch Works, Port Alberni.
Prince Rupert Boathouse, Prince Rupert.
Queensboro Shipyard, New Westminster.
Turner, William, 1963 Georgia Street West, Vancouver.
Turpel Marine Railway Co., Victoria.
Vancouver Shipyards, Ltd., 1877 Georgia Street West, Vancouver.
Volmers, H., Nanaimo.
Wallace, S. R., North Vancouver.
Wickham, Bamfield.
Winslow, John, 441 Seymour Street, Vancouver.

BOILERS.

Atlas Boiler Works, First Avenue, Prince Rupert.
B.C. Iron Works, Ltd., Government and Princess Streets, Victoria.
B.C. Marine Engineering & Shipbuilders, Ltd., Vancouver.
Blain, A, 1147 Venables Street, Vancouver
Gurney Foundry Company, Ltd., 566 Beatty Street, Vancouver.
Hanes Engine Works, Ltd., Granville Island, Vancouver.
National Machinery Company, Ltd., 925 Main Street, Vancouver.
Marine Iron Works, Ltd., Pembroke Street, Victoria.
Progressive Engineering Works, Ltd., 900 Powell Street, Vancouver.
Patterson Boiler Works, 750 Alexander Street, Vancouver.
Ross & Howard Iron Works Company, Ltd., Vancouver.
Vancouver Boiler Works, 456 Dufferin Street West, Vancouver.
Vancouver Engineering Works, 519 Sixth Avenue West, Vancouver.
Vancouver Machinery Depot, 1155 Sixth Avenue West, Vancouver.
Victoria Machinery Depot, Ltd., Victoria.
Vulcan Iron Works, Ltd., Granville Island, Vancouver.
Wain, C. L., Kamloops.
Wallace Shipbuilding & Drydock Company, Ltd., North Vancouver.
Wonder Pump & Engine Company, Ltd., 931 Pender Street West, Vancouver.
Yarrows, Ltd., Victoria.

BOLTS.

Hafer Machine Company, 1720 Store Street, Victoria.
Ross & Howard Iron Works Company, Ltd., Vancouver.
Vancouver Engineering Works, Vancouver.

BOOKS, BLANK.

Smith, Davidson & Wright, Ltd., Vancouver.

BOOKBINDERS.

Acme Press, Ltd., Victoria.
Clarke & Stuart Company, Ltd., Vancouver.
Colonist Printing & Publishing Company, Ltd., Victoria.
Columbian Company, Ltd., New Westminster.
Diggon Printing Company, Victoria.
Fulger & McKinnon, Vancouver.
Murphy & Chapman, Vancouver.
Roedde, G. A., Ltd., Vancouver.

Bookbinders—*Continued.*

Rose, Cowan & Latta, Prince Rupert.
Sun Job Presses, Vancouver.
Vancouver Bindery, 500 Beatty Street, Vancouver.
Victoria Printing & Publishing Company, Victoria.
Wrigley Printing Company, Ltd., Vancouver.

Boots and Shoes.

Christie Boot Factory, 51 Cordova Street W., Vancouver. "Christie."
Inrig, Alfred, 319 Hastings Street West, Vancouver.
Leckie, J., Company, Ltd., 220 Cambie Street, Vancouver. "Leckie"; "Skookum"; "Seal of Quality."
MacLachlan-Taylor Company, 63 Cordova Street West, Vancouver.
Paris, P., 53 Hastings Street West, Vancouver.
Standard Shoe Manufacturing Company, 319 Hastings Street West, Vancouver. "Standard."
Yates, A., 1840 Powell Street, Vancouver.

Boxes, Cigar.

Acme Box Company, 1067 Richards Street, Vancouver.

Boxes, Electrical Panelled.

Electrical Manufacturing Company, Vancouver.

Boxes, Paper.

Davis Paper Company, Ltd., 1670 Pandora Street, Vancouver.
National Paper Box & Carton Company, Ltd., 160 Lorne Street West, Vancouver.

Boxes, Wooden.

Alert Bay Saw Mills, Vancouver.
Arbuthnot Lumber, Sash & Door Company, 101 Dufferin Street West, Vancouver.
Armstrong Sawmills, Armstrong.
B.C. Box Company, Ltd., Vancouver.
Bowman-Orion, Sardis.
B.C. Manufacturing Company, Ltd., New Westminster.
Big Bay Lumber Company, Prince Rupert.
British Columbia Mills, Timber & Trading Company, Ltd., Vancouver.
Basan, J. A., Port Essington.
Brunette Sawmills, Ltd., New Westminster.
Cameron Lumber Company, Ltd., Victoria.
Canadian Box Company, Ltd., Vancouver.
Canadian Western Lumber Company, Ltd., New Westminster.
Canyon City Lumber Company, Ltd., Creston.
Crawford Brothers, Ltd., Kelowna.
Dalzel Box Company, Victoria.
East Kootenay Lumber Company, Ltd., Jaffray.
Hanbury, J., & Company, Ltd., Vancouver.
Kelowna Sawmills Company, Kelowna.
Kootenay Wire Works Manufacturing Company, Ltd., Nelson.
Leigh's Mill, Ltd., Victoria.
Leir, H., Penticton.
Lemon-Gonnason Company, Ltd., Victoria.
Laminated Materials Company, Ltd., New Westminster.
McDonald, A., Company, Galloway.
McKay, D. R., Laidlaw.
New Ladysmith Lumber Company, Ltd., Nanaimo.
Norris Lumber & Box Company, Ltd., Grand Forks.
Northern B.C. Fisheries, Ltd., Vancouver.
North Vancouver Box Company, 429 Pender Street West, Vancouver.
Okanagan Wood Products Company, Chute Lake.
Otis-Staples Lumber Company, Ltd., Wycliffe.
Pacific Box Company, Ltd., Vancouver.
Renata Lumber Company, Renata.
Sidney Mills, Ltd., Victoria and Sidney.
Summerland Lumber Company, Ltd., Summerland.
Waters & Company, Ltd., T. H., Nelson.
Westminster Shook Mills, Ltd., New Westminster.
Western Box & Shingle Company, Nelson.
Whalen Pulp & Paper Mills, Ltd., Vancouver.
Wynndel Box Company, Wynndel.

Brass-foundries.

Boundary Iron Works, Grand Forks.
Hafer Machine Company, Ltd., Victoria.
Letson & Burpee, Ltd., 172 Alexander Street, Vancouver.
Nelson Iron Works, Ltd., Nelson.

BRASS-FOUNDRIES—*Continued.*

Smith Brothers, 630 Pembroke Street, Victoria.
Star Brass Foundry, 194 Lorne Street West, Vancouver.
Sumner Brass Foundry, 610 Bidwell Street, Vancouver.
Terminal City Iron Works, Ltd., Vancouver.
Vancouver Brass Works, 1304 Keefer Street, Vancouver.
Vancouver Engineering Works, Ltd., Vancouver.
Victoria Brass & Iron Works, Esquimalt.
Wallace Foundry, Ltd., Vancouver.
Wilson Brass Foundry, 22 Dufferin Street East, Vancouver.
Yarrows, Ltd., Victoria.

BRASS SIGNS.

Hewitt, G. H., & Company, Ltd., 653 Seymour Street, Vancouver.
Houghton & Evans, 516 Pender Street West, Vancouver.
Zemel Signs, 522 Pender Street West, Vancouver.

BRICK.

Armstrong Brick Works, Armstrong.
Bazan Bay Brick & Tile Company, Ltd., Sidney.
(New) Baker Brick & Tile Company, Ltd., Victoria.
Clayburn Company, Ltd., Clayburn and Kilgard.
Ceramic Industries, Ltd., Granville Island, Vancouver.
Enderby Brick Company, Ltd., Enderby.
Furnell & DeLong, Gabriola Island.
Humber Brick Company, Victoria.
Johnson & Company, Ltd., Kamloops.
Lakeside Clay Products, Ltd., Okanagan Landing.
Pacific Brick & Tile Company, Ltd., South Wellington.
Polychrome Cement Brick & Tile Company, Ltd., Granville Island, Vancouver.
Port Haney Brick Company, Ltd., Port Haney.
Sidney Island Brick & Tile Company, Sidney Island.
Terrace Brick Company, Terrace.
Victoria Brick Company, Ltd., 3001 Douglas Street, Victoria.
Vancouver Brick Company, Steveston.

BRICK VENEER.

McLeod Sash & Door Factory, Vancouver.

BRIDGES, IRON AND STEEL.

Canadian North West Steel Company, Vancouver.
Coughlan, J., & Sons, Vancouver.
Marine Iron Works, Ltd., Victoria.
Victoria Machinery Depot, Ltd., Victoria.
Westminster Iron Works, New Westminster.

BROOM-HANDLES.

B.C. Wood Turners, Ltd., Vancouver.
B.C. Handle Company, Ltd., Vancouver.

BROOMS.

B.C. Brush Works, Ltd., 722 Cambie St., Vancouver. "B.C. Brush."
Crown Broom Works, Ltd., 304 Front Street East, Vancouver. "Duchess"; "Mother Goose"; "Janitor's Special"; "Province"; "Peerless"; "Ladies' Carpet"; "Princess"; "Perfection"; "Favorite"; "Warehouse"; "Little Pearl."
Western Broom Works, 631 Fifteenth Avenue East, Vancouver.
Canadian National Institute of the Blind, Front Street, Vancouver. "Canib."

BRUSHES.

B.C. Brush Works, Ltd., 722 Cambie Street, Vancouver.

BURNERS.

Hanes Engine Works, Ltd., Granville Island, Vancouver.
Yarrows, Ltd., Victoria.

BUCKETS, STEEL AND GALVANIZED.

Victoria Machinery Depot, Ltd., Victoria.
Yarrows, Ltd., Victoria.

BULLION, GOLD, SILVER, COPPER, LEAD.

Consolidated Mining & Smelting Company of Canada, Ltd., Trail.

BUILDING-PAPER.

Barrett Company, Ltd., Vancouver. "Victoria"; "Western"; "Anchor"; "Stag."
Sidney Roofing & Paper Company, Ltd., Victoria. "Kraft"; "Capital"; "Esquimalt."

Cabinets, Steel.

Cope & Son, Ltd., Vancouver.

Cable-cutter.

Spruce Specialities, Ltd., Vancouver.

Cages, Cashier, etc.

B.C. Anchor Fence Company, Ltd., Vancouver.
Westminster Iron Works, New Westminster.

Calcium Carbonate.

Calcium Carbonate Company, Ltd., Merritt.

Cameras.

Chas. Duplauch, 1491 Seventh Avenue West, Vancouver.

Cans, Garbage.

(*See* Sheet-metal Products.)

Candles.

Imperial Oil Company, Ioco.

Cans, Tin.

American Can Company, Ltd., Vancouver. "Canco."
Todd, J. H., & Sons, Ltd., Victoria.

Canvas Goods.

Grant-Holden-Graham, Ltd., Vancouver.
Jeune, F., & Bro., Ltd., Victoria.
Jones, C. H., & Son, Ltd., Vancouver.
Prince Rupert Tent & Awning Company, Ltd., Prince Rupert.
Turner, Beeton & Company, Ltd., Victoria.

Caps, Cloth.

Western Cap Company, 405 Vernon Drive, Vancouver.

Capsules.

B.C. Pharmacal Company, Ltd., Vancouver.

Carriage-builders.

Chafe & Jones, 642 Discovery Street, Victoria.
Grimm Brothers, Victoria.
Hall & Wallace, 573 Beatty Street, Vancouver.
Mable, W. J., 717 Johnson Street, Victoria.
Meston, John, & Company, Ltd., Broad Street, Victoria.
Pioneer Auto & Carriage Works, 966 Richards Street, Vancouver.
Tupper & Steel, Ltd., 1669 Third Avenue West, Vancouver.

Cars, Mine.

Hanes Engine Works, Ltd., Granville Island, Vancouver.
Marine Iron Works, Ltd., Victoria.
Ross & Howard Company, Ltd., Vancouver.
Vancouver Engineering Works, Ltd., Vancouver.
Victoria Machinery Depot, Ltd., Victoria.

Cartons, Spice, etc.

Colonist Printing & Publishing Company, Ltd., Victoria.
Davis Paper Company, Ltd., 1670 Pandora Street, Vancouver.
Dominion Carton & Printing Company, Ltd., Vancouver.
National Paper Box & Carton Company, Ltd., 160 Lorne Street West, Vancouver.

Castings, Iron.

Albion Stove Works, Ltd., Victoria.
Boundary Iron Works, Grand Forks.
Canadian Sumner Iron Works, Ltd., Vancouver.
Cranbrook Foundry, Cranbrook.
Hafer Machine Company, Ltd., Victoria.
Heaps Engineering Works, New Westminster.
Letson & Burpee, Ltd., Vancouver.
Mainland Engineering Company, Ltd., Vancouver.
Marine Iron Works, Ltd., Victoria.
Nanaimo Foundry, Nanaimo.
Nelson Iron Works, Ltd., Nelson.
Ross & Howard Iron Works, Ltd., Vancouver.
Tait Pipe & Foundry Company, Tower Building, Vancouver.
Ramsay & Adams, Victoria.
Smith Bros., Victoria.
The Thomas Watt Company, Ltd., 225 Fifth Avenue West, Vancouver.
Vancouver Stove and Heater Company, Vancouver.
Victoria Machinery Depot, Ltd., Victoria.
Vivian Gas Engine Works, Vancouver.
Westminster Foundry Company, New Westminster.

CASTINGS, IRON—*Continued.*

Westminster Iron Works, New Westminster.
Yarrows, Ltd., Victoria.

CASES, SAMPLE PAPER.

Storey & Campbell, Ltd., Vancouver.

CASKETS, FUNERAL.

Kamloops Undertaking Company, Ltd., Kamloops.
Imperial Casket Company, Ltd., 425 Dufferin Street, Vancouver.
Vancouver Casket Company, Ltd., 1560 First Avenue West, Vancouver.
Victoria Casket Company, 810 Pandora Street, Victoria.

CATCHUP.

Broder Canning Company, Ltd., New Westminster. "Fraser Valley"; "Royal City."
Dominion Canners, B.C., Ltd., Vancouver. "Quaker."
Empress Manufacturing Company, Ltd., 1106 Homer Street, Vancouver. "Empress"; "Climax."
Lyons, F., & Company, 1500 Main Street, Vancouver.
Holsum Products, Ltd., 851 Fisgard Street, Victoria.
Occidental Fruit Company, Ltd., Kelowna. "Okanagan."
Vancouver Pickle Company, Ltd., Granville Island, Vancouver.

CEMENT.

British Columbia Cement Company, Ltd., 305 Belmont House, Victoria.

CEMENT SEWER-PIPE.

G. W. Ledingham, Vancouver.

CHAINS, BOOM, ETC.

Canada Chain & Forge Company, Granville Island, Vancouver.
Lester Iron Works, Vancouver.

CHAIRS AND STOOLS (RESTAURANT).

Benson's Pattern & Machine Works, Vancouver.
Restmore Manufacturing Company, Ltd., Vancouver.

CHAIRS, LAWN AND DECK.

Alaska B.C. Bedding Company, Ltd., Vancouver.
Jones, C. H., & Sons, 28 Water Street, Vancouver.
Lipsett, Ed., Ltd., 68 Water Street, Vancouver.
Pacific Lumber Products Company, Ltd., Port Coquitlam.

CHAIRS AND STOOLS.

Hardwood Chair Company, Ltd., 860 Hornby Street, Vancouver.

CHEESE-FACTORIES.

Fraser Valley Milk Producers' Association, Sardis.
Ferrara Cheese Manufacturing Company, Chilliwack.
Revelstoke Creamery Company, Ltd., Revelstoke.

CHARCOAL.

Acetate Products, Ltd., New Westminster.

CHEMICALS.

Basque Chemical Production Company, Ltd., Ashcroft.
Canadian Chemical Company, Ltd., Vancouver.
Kootenay Chemical Company, Trail.
British American Chemical Company, Ltd., Vancouver.
Nicholls Chemical Company, Ltd., Barnet.
Nitrogen Products Company, Lake Buntzen.
Oliver Chemical Company, Ltd., Penticton.
Triangle Chemical Company, Ltd., New Westminster.
Western Industrial Development Company, Ltd., Vancouver.
Victoria Chemical Company, Ltd., Victoria.

CHESTS, TEA.

Laminated Materials, Ltd., New Westminster.

CHICKEN FOODS AND MEDICINES.

John Bull Products, 398 Earls Road, Vancouver.

CHOCOLATE BARS.

Canada Nut Company, Ltd., Vancouver.
Dominion Biscuit Company, Ltd., Vancouver.
Gavin Bros. & Leigh, Ltd., Vancouver.
Matthews, J. P., Candy Company, Victoria.
Ormonds, Ltd., Victoria.
Ramsay Bros. & Company, Ltd., Vancouver.

CIDER.

Dyson Vinegar Company, Ltd., 1365 Powell Street, Vancouver.
O.U.G. Fruit Products, Ltd., Vernon.

Cider—*Continued.*

Smith's, Victoria.
Syms, W. T., Salmon Arm.
Thorpe & Company, Ltd., Victoria, Vancouver, and Nelson.
Van Brothers, Vancouver.

Cigars.

B.C. Cigar Factory, Seventh Avenue and Cunningham Street, New Westminster. "Old Sport"; "Brilliant."
Beaver Cigar Factory, 717 Carnarvon Street, New Westminster. "Beaver"; "Templar."
Buck-a-Roo Cigar Company, 610 Cormorant Street, Victoria.
Davidson, F. E., Kamloops.
Dorembecker, George, Fernie.
Gable, Philip & Company, Nanaimo.
Kelowna Tobacco Company, Kelowna.
Mainland Cigar Factory, 2104 Hastings Street East, Vancouver.
Parsons & Reynolds, 1022 Seymour Street, Vancouver. "P. & R."
Pioneer Cigar Factory, Vancouver.
Province Cigar Factory, 576 Johnson Street, Victoria. "Province."
Solo Special Cigar Factory, 520 Columbia Street, New Westminster. "Solo Special"; "La Trenica."
Terminus Cigar Factory, 738 Fifteenth Avenue East, Vancouver.
Western Cigar Manufacturing Company, Ltd., Kamloops. "Master Duke."
Van Loo Cigar Company, Ltd., 140 Water Street, Vancouver. "Van Loo"; "Van Dyck."
Kurtz & Company, 1129 Haro Street, Vancouver. "Kurtz Pioneer"; "Royal Honor."

Clams, Canned.

Broders Cannery, Nanaimo.
Oyster Bay Canning Company, Ladysmith.
Royal William Packing Company, Sidney.
Saanich Canning Company, Ltd., Sidney. "Saanich Brand."
Sidney Canning Company, Ltd., Sidney.

Cloaks, Suits, and Costumes, Ladies'.

Carstens, Ltd., 1206 Homer Street, Vancouver.
Famous Cloak & Suit Company, Vancouver.
Vogue, Ltd., Vancouver.
Vancouver Dress Company, Ltd., Vancouver.
Western Cloak & Suit Company, Ltd., 1200 Homer Street, Vancouver.

Cloth, Jersey.

Quigley Knitting Mills, Ltd., 78 Dufferin Street, Vancouver.

Cloth, Tweed.

Canada Western Woollen Mills, Ltd., 440 Clark Drive, Vancouver.

Clothing, Duck and Khaki.

Herman's Uniforms, 317 Cambie Street, Vancouver.
Turner, Beeton & Company, Ltd., Victoria.

Clothing, Mackinaw.

Grant-Holden-Graham, Ltd., Vancouver.
Mackay, Smith & Blair, Ltd., Vancouver.
Thompson, Jas., & Sons, Ltd., Vancouver.
Turner, Beeton & Company, Ltd., Victoria.

Clothing, Men's Suits and Overcoats.

Campbells, Ltd., 500 Beatty Street, Vancouver.

Clothing, Oiled.

Turner, Beeton & Company, Ltd., Victoria.

Clothing, Rain-proof.

Lipsett, Edward, Vancouver.

Clothes-pins, Spring.

T. H. Waters & Company, Ltd., Nelson.

Coal.

Canadian Collieries (Dunsmuir), Ltd., Victoria.
Chu Chua Coal Company, Kamloops.
Coalmont Collieries, Ltd., Coalmont.
Community Coal & Coke Company, Ltd., Nicola.
Corbin Coal & Coke Company, Ltd., Corbin.
Crow's Nest Pass Mining Company, Ltd., Fernie.
East Wellington Coal Company, Nanaimo.
Fleming Coal Company, Merritt.
Granby Consolidated Mining & Smelting Company, Ltd., Cassidy.

COAL—*Continued.*

King, A. G., & Foster, E. R., Nanaimo.
Merritt Collieries, Merritt.
Nanoose-Wellington Collieries, Ltd., Wellington.
Pacific Coast Coal Mines, Ltd., Victoria.
Princeton Coal & Land Company, Ltd., Princeton.
Southern Okanagan Collieries, Ltd., Penticton.
Western Fuel Corporation of Canada, Ltd., Nanaimo.

COAL-TAR PRODUCTS.

Barrett Company, Ltd., Tenth Avenue West, Vancouver.

COFFEE PACKERS AND GRINDERS.

Braid, William & Company, Ltd., Vancouver. "Braid's Best"; "Big Four"; "Ideal"; "Plantation"; "Combination."
Carey, C. J., 638 View Street, Victoria.
Dickson's Importing Tea & Coffee Company, 317 Columbia Street, Vancouver.
Empress Manufacturing Company, Ltd., Vancouver. "Empress"; "Climax."
Jameson, W. A., Coffee Company, Victoria. "Jameson's"; "Turkish"; "Italiana."
Kelly, Douglas & Company, Ltd., Vancouver. "Nabob."
Malkin, W. H., Company, Ltd., Vancouver. "Malkin's Best"; "Victoria Cross."
Tuck & Lightfoot, Vancouver.

COFFINS AND CASKETS.

Imperial Casket Company, 425 Dufferin Street West, Vancouver.
Kamloops Undertaking Company, Kamloops.
Vancouver Casket Company, Ltd., 650 First Avenue West, Vancouver.
Victoria Casket Company, 810 Pandora Avenue, Victoria.

COKE.

Canadian Collieries, Victoria. (Ovens at Union Bay.)
City of Nelson Gas Company, Nelson.
Consolidated Mining, Smelting & Power Company, Ltd., Trail.
Crow's Nest Pass Coal Company, Fernie.
Cunningham, James, Gas Works, New Westminster.
Granby Consolidated Mining, Smelting & Power Company, Vancouver (Ovens at Anyox.)
Vancouver Gas Company, Ltd., Vancouver.
Victoria Gas Company, Ltd., Victoria.

COLOURS IN OIL.

Ayres Varnish & Paint Company, Ltd., Raymur and Parker Streets, Vancouver.
Brandram-Henderson, Ltd., Vancouver.
British American Paint Company, Ltd., Victoria.
Crown Paint Company, Ltd., Vancouver.
Darling, Henry, & Son, 28 Powell Street, Vancouver.
Martin-Senour Company, Ltd., Vancouver.
National Paint Company, Ltd., Vancouver.
Pacific Colour Manufacturing Company, Chilliwack.
Staneland Company, Ltd., Victoria.
Williams & Harte, Ltd., 1302 Wharf Street, Victoria.

COMPOUNDS, WASHING.

Excel Products Company, Vancouver.
Golden Rule Manufacturing Company, 622 Campbell Avenue, East Burnaby. "Golden Rule."
Pendray, W. J., & Sons, Ltd., Victoria. "White Swan."
Royal Crown Soap, Ltd., 308 Georgia Street West, Vancouver. "Royal Crown."

CONFECTIONERY.

Bullen Bros., 1974 First Street, Vancouver.
Clark, F. S., Nanaimo.
Gavin Bros. & Leigh, Ltd., Vancouver.
Gustafsson, F., Vancouver.
Harris Candy Company, Vernon.
Hamsterley Farm Products, Victoria.
Kelly Confection Company, Ltd., Vancouver.
Lilly, H. A., Victoria.
Mainland Confection Company, Vancouver.
Matthews, J. P., Candy Company, Vancouver and Victoria.
McDonald Jam Company, Nelson.
National Biscuit & Confection Company, Vancouver.
Ormonds, Ltd., Victoria.

Confectionery—*Continued.*

Phillips Confectionery Shop, Victoria.
Purdy, R. C., Vancouver.
Ramsay Bros. & Company, Ltd., Vancouver.
Rogers Candy Company, Victoria.
Royal Candy Company, Victoria.
Sapp, R. P., Vancouver.
Schneider, R. F., Vancouver.
Smith's, Victoria.
Sterling Candy Company, Vancouver.
Stevenson, H. S., Victoria.
Wiper & Company, Victoria.

Cooperage.

Canadian Western Cooperage, Ltd., Victoria and Vancouver.
Champion, L. J., South Vancouver.
Reid, Wm., Vancouver.
Wilkinson, Herbert, 3510 Saanich Road, Victoria.

Copper, Blister.

Consolidated Mining & Smelting Company of Canada, Ltd., Vancouver. (Works at Trail.)
Granby Consolidated Mining, Smelting & Power Company, Ltd., Vancouver.

Copper, Refined.

Consolidated Mining & Smelting Company of Canada, Ltd., Vancouver. (Works at Trail.)

Copper Rods.

Consolidated Mining & Smelting Company of Canada, Ltd., Vancouver. (Works at Trail).

Cordage, Manila, Sisal, and Hemp.

Canada Western Cordage Company, Ltd., New Westminster.

Counters, Wooden, Store.

(*See* Show-cases.)

Crabs, Canned.

Armada Packing Company, Quatsino.
Babington & Simpson, Prince Rupert.
Fraser, H. H., Vancouver (Gore Wharf).
Royal William Packing Company, Sidney.
Ward, W. A., & Company, Ltd., Vancouver and Victoria.

Crates, Fruit and Vegetable.

British Columbia Manufacturing Company, Ltd., New Westminster.
Brunette Sawmills, Ltd., New Westminster.
Pacific Crating & Manufacturing Company, Sidney Island.
Pacific Box Company, Ltd., Vancouver.

Creameries, Condenseries.

P. Burns & Company, Woodland Drive, Vancouver.
P. Burns & Company, Vernon.
Comox Creamery Association, Courtenay.
Cowichan Creamery Association, Duncan.
Clayburn Creamery, Clayburn.
Curlew Creamery Company, Grand Forks.
Curlew Creamery Company, Nelson.
Fraser Valley Milk Producers' Association, 703 Rogers Building, Vancouver.
Heffley Creek Creamery, Heffley Creek.
Kamloops District Creamery Association, Kamloops.
Kelowna Creamery Company, Ltd., Kelowna.
Meadowbrook Creamery Company, 199 Water Street, Vancouver.
Nanaimo Creamery Association, Nanaimo.
Nechako Valley Co-operative Creamery Association, Vanderhoof.
Northwestern Creamery, Ltd., 1131 Broad Street, Victoria.
Northern Okanagan Creamery Association, Armstrong.
New Westminster Creamery Society, Ltd., 442 Front Street, New Westminster.
Revelstoke Creamery Company, Ltd., Revelstoke.
Royal Dairy Company, Victoria.
Saltspring Island Creamery Association, Ganges.
Salmon Arm Creamery Association, Salmon Arm.
David Spencer, Ltd., Vancouver.
Vancouver Creamery Company, Ltd., 15–23 Alexander St., Vancouver.
Percy T. Westley, 2338 Royal Oak Avenue, Burnaby.
Fred Earland, Capilano P.O.
Ralph Booth Estate, Box 58, New Westminster.

CREAMERIES, CONDENSERIES—*Continued.*

Cariboo Farmers' Co-operative Association, Quesnel.
Johnstone, W. S. (Cranbrook Creamery), Cranbrook.
Carradice, F. W. (Ayrshire Dairy), 1270 Hornby Street, Vancouver.
Vancouver Island Milk Producers' Association, 930 North Park Street, Victoria.
Vernon Creamery, Vernon.
The Borden Milk Company, Ltd., Sardis.
The Pacific Milk Company, Ltd., Ladner.
The Pacific Milk Company, Ltd., Abbotsford.

CREOSOTE, SHINGLE.

British American Paint Company, Ltd., Victoria.

CREOSOTING-WORKS.

Dominion Creosoting & Lumber, Ltd., Vancouver.
Vancouver Creosoting Company, Ltd., North Vancouver.

CRIBS, CHILDREN'S.

Red Cross Workshops, Vancouver and Victoria.
Province Furniture Company, 115 Victoria Drive, Vancouver.
Dowling Manufacturing Company, 266 Dufferin Street E., Vancouver.
Restmore Manufacturing Company, Ltd., Vancouver. "Restmore."
Simmons, Ltd., 2034 Eleventh Avenue West, Vancouver. "Simmons."

CULVERTS AND FLUMES.

Canada Ingot Iron Company, Ltd., Vancouver.

DESKS, SCHOOL.

C. Marston Cabinet Works, 3764 Commercial Drive, Vancouver.
Tait Pipe & Foundry Company, Ltd., 500 Beatty Street, Vancouver.

DEXTRINE.

Pacific Starch Products, Ltd., Vancouver and South Wellington.

DIES.

Clendon Tool & Stamping Works, 135 Hastings Street W., Vancouver.
Gibbs Tool & Stamping Works, 356 Dufferin Street West, Vancouver.
Hall Machine Works, Vancouver.
Hewitt, Geo. H., Company, Ltd., 653 Seymour Street, Vancouver.
Houghton & Evans, 303 Hastings Street West, Vancouver.
Murray-Latta Machine Works, foot of Bidwell Street, Vancouver.

DISH-WASHERS.

The Simpler Manufacturing Company, 429 Pender St. W., Vancouver.

DIRECTORIES.

Henderson Directory Company, Ltd., Vancouver.
Wrigley Publishing Company, Ltd., Vancouver.

DISINFECTANTS.

Barrett Company, Ltd., Marpole. "Carbonal"; "Pyxol."
Excel Products Company, Vancouver.
West Disinfecting Company, Vancouver.
Western Industrial Development Company, Vancouver. "Creola."

DISTILLERS.

British Columbia Distillery Company, Ltd., New Westminster.

DOLLS.

Canada Dolls, Ltd., 4349 Victoria Drive, Vancouver.

DOORS, METAL.

Campbell & Grill, Vancouver.
Pacific Sheet Metal Works, Ltd., Vancouver and Victoria.

DRAG-SAWS.

Dominion Dragsaw Company, Ltd., 104 Main Street, Vancouver.
Hanes Engine Works, Ltd., Granville Island, Vancouver.
Schaake Company, Ltd., Vancouver.

DUSTERS.

Dust Control Company, 2246 Commercial Street, Vancouver.

DYES.

Pacific Colour Company, Chilliwack.

DYNAMITE.

Canadian Explosives, Ltd., Vancouver.
Giant Powder Company of Canada, Ltd., Vancouver.

Egg-cases.

B.C. Manufacturing Company, Ltd., New Westminster.
Pacific Box Company, Ltd., Vancouver.
Trickey-Evans Manufacturing Co., end of Smythe Street, Vancouver.

Electrical Appliances.

Cope & Son, 100 Front Street East, Vancouver.
Electrical Manufacturing Company, Granville Island, Vancouver.
Farr, Robinson & Bird, Ltd., 546 Howe Street, Vancouver.
Lang Electrical Fixture Company, Granville Island, Vancouver.
Smith, Robinson & Co., 1059 Hamilton Street, Vancouver.

Electric Blankets.

Electric Magnetic Health Comforter Company, 2071 Thirty-sixth Street, West Vancouver.

Electrical Deck Equipment.

Terminal City Iron Works, Ltd., Vancouver.

Electrophones.

Premier Phonograph Company, Garbally Road, Victoria.

Elevators.

Westminster Iron Works, Ltd., New Westminster.

Enamels.

Ayres Varnish & Paint Company, Ltd., Vancouver.
B.A. Paint Company, Ltd., Victoria.
Melrose Company, Ltd., Victoria.
Sherwin-Williams Company, Vancouver.

Engines, Gas and Gasolene.

Cromack & Annand, Tenth Street, New Westminster.
Easthope Brothers, 1729 Georgia Street, Vancouver.
Hafer Machine Works, Victoria.
Hall Machine Company, Ltd., Vancouver.
Hanes Engine Works, Ltd., Granville Island, Vancouver.
Heaps Engineering Company, Ltd., New Westminster.
Ideal Iron Works, Ltd., 123 Powell Street, Vancouver.
Marine Iron Works, Ltd., Victoria.
Pumps & Powder, Ltd., 224 Abbott Street, Vancouver.
Ramsay Machine Works, Victoria.
Ross & Howard Iron Works Company, Ltd., Vancouver.
Schaake Company, Ltd., Granville Island, Vancouver.
Vivian Gas Engine Works, 1090 Sixth Avenue West, Vancouver.
Wonder Pump & Engine Company, Ltd., 931 Pender Street West, Vancouver.

Engines, Logging.

Empire Manufacturing Company, Ltd., Vancouver.
Tyee Machinery Company, Ltd., Vancouver.
Vancouver Engineering Works, Ltd., Vancouver.

Engines, Marine, Hoisting, and Steam.

Vancouver Engineering Works, Ltd., Vancouver.

Envelopes.

Barber-Ellis, Ltd., Vancouver.
Pioneer Envelopes, Ltd., Vancouver.

Explosives.

Canadian Explosives, Ltd., Vancouver.
Giant Powder Company of Canada, Ltd., Vancouver.

Extracts, Flavouring.

Empress Manufacturing Company, Ltd., 1106 Homer Street, Vancouver. "Empress"; "Climax."
Jameson Coffee Company, W. A., 754 Broughton Street, Victoria. "Jameson."
Kelly, Douglas & Company, Ltd., Vancouver. "Nabob."
Malkin, W. H., & Company, Ltd., Vancouver. "Malkin's Best"; "Tropical"; "Victoria Cross."
Spencer, David, Ltd., Vancouver and Victoria.

Exercise Books.

Columbia Paper Company, Ltd., Vancouver.
Smith, Davidson & Wright, Ltd., Vancouver and Victoria.

Fans.

John K. Miller Company, Vancouver.

FEED.

Brackman-Ker Milling Company, Ltd., Victoria.
Easterbrook Milling Company, Eburne.
McLellan & McCarter, Ltd., 1605 Sixth Avenue West, Vancouver.
Vancouver Milling & Grain Company, Ltd., Vancouver.
Vernon & Buckerfield, 321 Front Street, Vancouver.
Victory Flour Mills, Ltd., 806 Beach Avenue, Vancouver.

FELTS, DRY.

Sidney Roofing & Paper Company, Ltd., Victoria.

FELTS, SATURATED.

Barrett Roofing Company, Ltd., Vancouver.
Sidney Roofing & Paper Company, Ltd., Victoria.

FENCES AND GATES.

Artistic Iron Works, 116 Dufferin Street East, Vancouver.
B.C. Anchor Fence Company, Ltd., 1031 Pender Street W., Vancouver.
Pearson Wire & Iron Company, City Market, Vancouver.
Westminster Iron Works, Ltd., New Westminster.

FENCE-WIRE.

B.C. Anchor Fence Company, Ltd., 1031 Pender Street W., Vancouver.
Morrison Steel & Wire Company, Ltd., Granville Island, Vancouver.

FERTILIZER.

B.C. Fertilizer, 832 Hereward Road, Victoria.
Beaty, W. R., & Company, Granville Island, Vancouver.
Burns, P., & Company, Ltd., Vancouver and Victoria.
Consolidated Whaling Company, Ltd., Victoria.
Globe Fertilizer Company, foot of Campbell Street, Vancouver.
Herondale Farm, Ltd., 1571 Pender Street West, Vancouver.
Pacific Guano Company, Ltd., 433 Pender Street West, Vancouver.
Rendezvous Fisheries, Ltd., Rendezvous Island.
Rupert Marine Products, Ltd., Prince Rupert.
Triangle Chemical Company, Ltd., New Westminster.
Victoria Chemical Company, Ltd., Victoria.
Western Ocean Products, Toquart, Barclay Sound, V.I.

FISH-MEAL.

Beaty, W. R., & Company, Granville Island, Vancouver.
Nanaimo Fish Meal & Oil Refinery, Nanaimo.
Rendezvous Fisheries, Ltd., Rendezvous Island.
Rupert Marine Products, Ltd., Prince Rupert.
Western Ocean Products, Ltd., Toquart, Barclay Sound, V.I.

FISH-OIL.

Beaty, W. R., & Company, Granville Island, Vancouver.
Canada Fish Products, Ltd., Ladner.
Consolidated Whaling Corporation, Ltd., Victoria.
Nanaimo Fish Meal & Oil Refinery, Nanaimo.
Rendezvous Fisheries, Ltd., Rendezvous Island.
Rupert Marine Products, Ltd., Prince Rupert.
The Marine Products, Ltd., 1720 Store Street, Victoria.
Western Ocean Products, Ltd., Toquart, Barclay Sound, V.I.

FISH, PICKLED.

B.C. Fishing & Packing Company, Ltd., Vancouver.
Gosse-Millerd, Ltd., Vancouver.
Sooke Harbour Fishing & Packing Company, Victoria.
Watson Brothers Fishing & Packing Company, Ltd., Vancouver.
Wallace Fisheries, Ltd., Vancouver.

FISH, SMOKED.

Atlin Fisheries, Ltd., Prince Rupert.
Butterfield-Mackie Company, Ltd., Vancouver. "B. & M."
Canadian Fish & Cold Storage Company, Ltd., Prince Rupert.
Canadian Fishing Company, Vancouver.
Pacific Coast Fish & Oyster Company, Ltd., foot of Gore Avenue, Vancouver. "Pacific."
Spouse, Robert, Yates Street, Victoria.
Watson Brothers Fishing & Packing Company, Ltd., Vancouver. "Watson's."

FISHING-SPOONS.

Clendon Tool & Stamping Works, 135 Hastings Street W., Vancouver.
Gibbs Tool & Stamping Works, 356 Dufferin Street West, Vancouver.
Lenfesty, W. N., 1324 Government Street, Victoria.

### Fittings, Wood (Bank, Office, and Store).

Arnot, John, & Son, 1730 Semlin Drive, Vancouver.
Canadian Western Woodworkers, Ltd., Garbally Road, Victoria.
Chrystall, E. C., & Company, Ltd., 108 Georgia Street East, Vancouver.
Johnson & Allen, 148 Lorne Street East, Vancouver.
Leigh's Mill, Ltd., Victoria.
Marston, C., Cabinet Works, 3764 Commercial Drive, Vancouver.
McLeod Sash & Door Factory, Ltd., 1251 Charles Street, Vancouver.
Moore & Whittington, Ltd., Victoria.
Dixon & Murray, Dunsmuir Street, Vancouver.
Lemon-Gonason, Victoria.
Waters, T. H., & Company, Ltd., Nelson.

### Flags and Bunting.

Grant-Holden-Graham, Ltd., Vancouver.
Jeune, F., & Bro., Ltd., Victoria.
Jones, C. H., & Son, Ltd., 28 Water Street, Vancouver.

### Flooring, Asbestos.

San San Asbestos Flooring, 143 Burrard Street, Vancouver.

### Flooring, Hardwood.

B.C. Hardwood Floor Company, Ltd., Vancouver and Victoria.
Fyfe-Smith, J., & Company, Ltd., Vancouver.
Inlay Hardwood Floor Company, 929 Pender Street West, Vancouver.
Oak Floor Company, Vancouver.
Point Grey Floor Layers, Ltd., Kerrisdale.

### Flour.

Brackman-Ker Milling Company, Ltd., Victoria. "B. & K."
Easterbrook Milling Company, Ltd., Eburne. "Imperial."
Okanagan Farmers' Milling Company, Ltd., Vernon.
Soda Creek Roller Mills, Soda Creek.
Vancouver Milling & Grain Company, Ltd., Vancouver. "Wild Rose"; "Royal Standard."
Victory Flour Mills, Ltd., 806 Beach Street, Vancouver. "Velvet"; "Paragon."

### Flour, Potato.

Pacific Starch Products, Ltd., South Westminster.

### Fluff Rugs.

Pacific Coast Fluff Rug Company, 1061 Richards Street, Vancouver.
Vancouver Fluff Rug Company, Seventeenth Avenue West and Willow Street, Vancouver.

### Forgings.

B.C. Steel Works, Ltd., Vancouver.
Canada Chain & Forge Company, Vancouver.
Hanes Engine Works, Ltd., Granville Island, Vancouver.
Marine Iron Works, Ltd., Victoria.
Sequin, Ralph, 1369 Richards Street, Vancouver.
Vancouver Forge Company, Vancouver.
Victoria Machinery Depot Company, Ltd., Victoria.
Yarrows, Ltd., Victoria.

### Foundries.

Begbie Brothers, 154 Alexander Street, Vancouver.
Boundary Iron Works, Ltd., Grand Forks.
Burrard Iron Works, Ltd., 142 Alexander Street, Vancouver.
Canadian Sumner Iron Works, 1214 Pender Street East, Vancouver.
Cranbrook Foundry Company, Cranbrook.
Globe Iron Works, 1815 Pandora Street, Vancouver.
Hanes Engine Works, Ltd., Granville Island, Vancouver.
Heaps Engineering Company, Ltd., New Westminster.
Hendry Foundry Company, 360 Front Street West, Vancouver.
Industrial Iron Works, 1265 Parker Street, Vancouver.
Letson & Burpee, Ltd., Vancouver.
Lister Iron Works, 302 Lorne Street, Vancouver.
Mainland Engineering Company, Ltd., 422 Railway Street, Vancouver.
Mainland Iron & Steel Company, Ltd., Granville Island, Vancouver.
Marine Iron Works, Ltd., Pembroke Street, Victoria.
McLean & Powell, Vancouver.
Morris, S. M., & Company, Ltd., 2130 Cedar Street, Vancouver.
Nanaimo Foundry, Nanaimo.
Nelson Iron Works, Ltd., Nelson.
New Westminster Foundry Company, Ltd., New Westminster.
Pacific Iron Works, 231 Prior Street, Vancouver.
Progressive Engineering Works, Ltd., 900 Powell Street, Vancouver.

FOUNDRIES—*Continued.*

Ramsay & Adams Foundry Company, Garbally Road, Victoria.
Ross & Howard Iron Works, Ltd., foot of Woodland Drive, Vancouver.
Schaake Company, Ltd., Granville Island, Vancouver.
Star Brass Foundry Company, Lorne and Columbia Streets, Vancouver.
Sumner Brass Foundry, 620 Bidwell Street, Vancouver.
Tait Pipe & Foundry Company, Ltd., Vancouver.
Terminal City Iron Works, 1949 Albert Street, Vancouver.
Vancouver Brass Works, 1304 Keefer Street, Vancouver.
Vancouver Engineering Works, Ltd., 519 Sixth Avenue W., Vancouver.
Vancouver Metal Company, Ltd., 415 Railway Street, Vancouver.
Vancouver Stove Works, Vancouver.
Victoria Brass & Iron Works, Esquimalt.
Victoria Machinery Depot, Ltd., Victoria.
Vulcan Iron Works, Ltd., Granville Island, Vancouver.
Vivian Gas Engine Works, 1090 Sixth Avenue West, Vancouver.
Wallace Foundry Company, Ltd., Granville Island, Vancouver.
Wilson's Brass Foundry, 22 Dufferin Street East, Vancouver.
Westminster Foundry Company, New Westminster.
Williams, B. A., Iron Works, 1450 Powell Street, Vancouver.
Yarrows, Ltd., Esquimalt.

FURS, FOX.

Axten, Albert E., Lower Nicola.
Barker, J. L., & Leslie Aeria, Streatham.
Conroy & Russell, Atlin.
Fenner, C. T., Greenwood.
Hansen, N. M., Box 1466, Quesnel.
Homfray, W. Y., Box 231, Kamloops.
Laiti, David, Sointula.
Landry, O. T., & Wheeler, E., Bella Coola.
Laverdiere, Noel, Atlin.
Morrison, W. B., Royal Oak.
Nicola Valley Silver Fox Company, Ltd., Merritt.
Tanton, B. D., Bella Coola.
Tyner, Winifred, Lower Nicola.
Vancouver Island Fox Farm, 620 Broad Street, Victoria.
Yingling, Miles, Revelstoke.

FURS, MARTEN.

Greenaway, James, Nanaimo.
Jones, Chas. G., Hudson Hope.
Moore, Geo., & Joe House, Barkerville.

FURS, MINK.

DeLey, G. H., Louis Creek.

FURS, SKUNK.

Evans, Albert, Armstrong.

FRUITS, CANNED.

Broder Canning Company, Ltd., New Westminster. "Fraser Valley Brand"; "Royal City Brand."
Dominion Canners of B.C., Ltd., 332 Drake St., Vancouver. "Quaker."
Kamloops Canneries, Ltd., Kamloops.
King-Beach Manaufacturing Company, Ltd., Mission.
Keremeos Packing Company, Ltd., Keremeos. "Diamond K. Brand."
Laurel Canners, Ltd., Lake Hill.
McKinnon Packing Company, Vancouver.
Occidental Fruit Company, Ltd., Kelowna. "Okanagan Brand."
Okanagan Canning Co., Kelowna. "Duncan's Best."
O.U.G. Fruit Products, Ltd., Vernon. "O.K."
Saanich Canning Company, Sidney. "Saanich Brand."

FRUIT, EVAPORATED.

B.C. Hop Company, Ltd., Sardis.
Chilliwack Evaporating & Packing Company, Ltd., Chilliwack.
Sheppard Fruit Packers' Company, Kelowna.
Loumindon Fruit Confections, Ltd., Penticton.

FRUITS, CRYSTALLIZED.

Loumindon Fruit Confections, Ltd., Penticton. "Canuck Brand."

FRUIT-WRAPPERS.

Westminster Paper Mills, Ltd., New Westminster.

FUMIGATING COMPOUND.

West Disinfecting Company, Vancouver.
McClunie, J. M., & Son, Vernon.
Oliver Chemical Company, Ltd., Penticton.

### Furnaces.

Albion Stove Works, Victoria.
F. T. Daly, Vancouver.
New Idea Sheet Metal Works, Vancouver.
Ralph, William, Ltd., 626 Seymour Street, Vancouver.
Vancouver Stove & Heater Works, Ltd., 2100 Eleventh Avenue West, Vancouver.

### Furniture.

B.C. Reed & Rattan Novelties, 4336 Victoria Road, Vancouver.
Dowling Manufacturing Company, 266 Dufferin Street E., Vancouver.
Fine Art Furniture Company, Ltd., 1256 Union Street, Vancouver.
Hammond, E., 1256 Union Street, Vancouver.
Hardwood Chair Company, Ltd., 860 Hornby Street, Vancouver.
Morlock Company, Ltd., 1052 Homer Street, Vancouver.
Province Furniture Manufacturing Company, Ltd., foot of Victoria Drive, Vancouver.
Restmore Manufacturing Company, Ltd., Vancouver.
Weiler Bros., Ltd., 921 Government Street, Victoria.
Westminster Furniture Manufacturing Company, New Westminster.

### Furniture, Period Design.

Fine Art Furniture Company, Ltd., 1256 Union Street, Vancouver.
Johnson, H. L., 725 Courtenay Street, Victoria.
Timewell, D. C., 336 Dufferin Street West, Vancouver.

### Furniture, Willow.

Wakefield, E. J., 56 Dufferin Street West, Vancouver.

### Garments, Gingham.

Jobec, Ltd., 1498 Pender Street, Vancouver.
Vancouver Garment Manufacturing Company, Hastings St., Vancouver.

### Gas, Carbonic Acid.

Canadian Carbonate, Ltd., Eleventh Avenue and Yew St., Vancouver.

### Gas, Compressed.

Compressed Gas Company, Ltd., 1530 Hastings Street East, Vancouver.
Liquid Air Company, Ltd., 2111 Yukon Street, Vancouver.

### Gas, Illuminating.

City of Nelson Gas Company, Ltd., Nelson.
Granby Consolidated Mining, Smelting & Power Company, Vancouver.
New Westminster Gas Works, New Westminster.
Vancouver Gas Company, Ltd., Vancouver.
Victoria Gas Company, Ltd., Victoria.

### Gasolene.

Imperial Oil, Ltd., Ioco.
Union Oil Company, Port Moody.

### Gates, Wire and Wrought Iron.

Albion Stove Works, Victoria.
B.C. Anchor Fence Company, Ltd., Vancouver.
Westminster Iron Works, New Westminster.

### Glass-blower.

Lang Electric Company, Vancouver.

### Glucose.

Pacific Starch Products, Ltd., South Westminster.

### Ginghams.

Campbell, J. W., 157 Hastings Street West, Vancouver.
Jobec, Ltd., 1498 Pender Street, Vancouver.
Vancouver Garment Manufacturing Company, Hastings St., Vancouver.

### Girders, Iron and Steel.

Coughlan, J., & Sons, Vancouver.
Victoria Machinery Depot, Ltd., Victoria.
Westminster Iron Works, New Westminster.

### Gloves, Leather.

Howard Glove Company, Vancouver.
Sandell Manufacturing Company, Ltd., 336 Cordova Street West, Vancouver.
Searson Manufacturing Company, 234 Cambie Street, Vancouver.
Vancouver Glove Company, 223 Carrall Street, Vancouver.
Watson, John, 127 Dufferin Street East, Vancouver.

GLYCERINE.

Pendray, W. J., & Sons, Ltd., Victoria.
Royal Crown Soaps, Ltd., 308 Georgia Street East, Vancouver.

GRANITE.

Vancouver Granite Company, Vancouver.

GRILLS, WIRE.

B.C. Anchor & Fence Company, Ltd., Vancouver.

HALIBUT.

Clayoquot Sound Canning Company, Ltd., Victoria.
N. M. & R. Fish Company, Ltd., Prince Rupert.
Royal Fish Company, Prince Rupert.

HAND-CLEANERS.

Canadian Chemical Company, Ltd., Vancouver.
Peerless Products Company, Ltd., 1642 Pandora Street, Vancouver.

HANDLES, AXE, BROOM, MOP, ETC.

B.C. Handle Company, Ltd., Vancouver.
Vancouver Handle Company, Ltd., Vancouver.
Young, J. N., Company, Marine Drive and Manitoba Street, South Vancouver.

HARNESS.

Beer, A. J., West Summerland.
B.C. Saddlery Company, Ltd., Victoria.
Bryant, C. F., Nanaimo.
Duncan, William, Victoria.
Ferris, Walter, 1514 Fifth Avenue West, Vancouver.
Norris, F., & Sons, Victoria.
McLaren, D. C., 211 Georgia Street East, Vancouver.
Okanagan Saddlery, Vernon.
Storey & Campbell, Ltd., 518 Beatty Street, Vancouver.
Wilcox-Hall Company, Ltd., Kamloops.
Nelson, S., Company, Ltd., Vancouver.

HAT-MANUFACTURERS.

Caledonian Hat Works, 135 Hastings Street West, Vancouver.
Linforth's Hat Manufacturing Company, 344 Abbott Street, Vancouver.
Pacific Hat & Pennant Factory, 669 Smythe Street, Vancouver.
Paris Hat Company, 307 Cordova Street West, Vancouver.
Victoria Hat Factory, Victoria.
Western Hat & Frame Company, 508 Smythe Street, Vancouver.
Wilcox Hat Company, Ltd., 611 Yates Street, Victoria.

HEATERS, AIR-TIGHT.

Albion Stove Works, Ltd., Victoria.
McLean & Powell Iron Works, Dufferin Street, Vancouver.
McClary Manufacturing Company, Ltd., Vancouver.
Vancouver Stove & Heating Company, Ltd., 2100 Eleventh Avenue West, Vancouver.

HERRING.

Canadian Fishing Company, Ltd., foot of Gore Avenue, Vancouver.
N. M. & R. Fish Company, Prince Rupert.
Vince, I. M., Sarita Bay, Barclay Sound.
Wallace Fisheries, Ltd., Vancouver.

HERRING, PICKLED, CANNED, AND KIPPERED.

Gosse-Millerd, Ltd., Vancouver.

HERRING, DRY-SALTED.

Barclay Sound Fisheries, Ltd., Sarita Bay, Barclay Sound.
Gosse-Millerd, Ltd., Vancouver.
Maritime Fisheries, Ltd., Vancouver.
Wallace Fisheries, Ltd., Vancouver.
Watson Brothers Fishing & Packing Company, Ltd., Vancouver.

HONEY, BOTTLED.

Holsum Products, Ltd., Victoria.

HOPS.

Agassiz Hop Company, Agassiz.
British Columbia Hop Company, Ltd., Vancouver.
Chilliwack Hop Company, Chilliwack.

HOUSES, READY-CUT.

Cut-to-fit Buildings Company, Ltd., Vancouver.
Mill Cut Homes & Lumber, Ltd., 2606 Yew Street, Vancouver.

### Ice, Artificial.

Amiel, A. L., 1027 Main Street, Vancouver.
Casorso Brothers, Ltd., Kelowna.
Eburne Ice Company, 8866 Hudson Street, Vancouver.
Harwood, Joseph, Vernon.
Hoff, Oscar, Prince George.
Ice Delivery Company, Ltd., Homer and Smythe Streets, Vancouver.
Kaslo Transfer Company, Kaslo.
Kootenay Ice Company, Nelson.
Mainland Ice & Cold Storage Company, Nelson Street, Vancouver.
Penticton Ice & Cold Storage Company, Penticton.
St. Mungo Canning Company, Ltd., New Westminster.
Vancouver Ice & Cold Storage Company, Ltd., 11 Gore Ave., Vancouver.
Vancouver Island Fish & Cold Storage Company, Nanaimo.
Victoria Ice Company, 2626 Rose Street, Victoria.
Westminster Ice & Creamery Company, Ltd., New Westminster.
Wilson, B., Company, Ltd., 536 Herald Street, Victoria.

### Ice-cream.

Almonds, Ltd., 440 Pender Street East, Vancouver.
Clarke, F. S., Nanaimo.
Comox Creamery Association, Courtenay.
Crescent Ice Cream Company, 1002 Hastings Street West, Vancouver.
Curlew Creamery Company, Ltd., Grand Forks and Nelson.
Fraser Valley Dairy, 1170 Hornby Street, Vancouver.
Kelowna Creamery Company, Ltd., Kelowna.
McKenzie, J. E., Nanaimo.
Nechako Valley Co-operative Creamery Association, Vanderhoof.
Northern Okanagan Creamery Association, Armstrong.
Northwestern Creamery, Ltd., Victoria.
Penticton Ice & Cold Storage Company, Penticton.
Royal Dairy, 1061 Pender Street, Vancouver.
Royal Dairy, View Street, Victoria.
Spencer, David, Ltd., Vancouver.
Terry, W. S., Fort Street, Victoria.
Vancouver Ice & Cold Storage Company, Ltd., Vancouver.
Victoria City Dairy Company, Ltd., 1111 Fort Street, Victoria.
White Lunch, Ltd., 123 Hastings Street West, Vancouver.
Westminster Ice & Creamery Company, New Westminster.

### Ice-cream Cones.

Almonds, Ltd., Vancouver.

### Incubators and Brooders.

Trickey-Evans Manufacturing Company, foot of Smythe Street, Vancouver. "Canadian Queen."

### Incandescent Mantles.

More Light, Ltd., 916-18 Pender Street West, Vancouver.

### Ink, Printing.

Ault & Wiborg of Canada, Ltd., 846 Cambie Street, Vancouver.
Columbia Printing Ink & Roller Company, 1063 Hamilton Street, Vancouver.

### Ink, Writing.

Peerless Products, Ltd., 1642 Pandora Street, Vancouver. "Peerless."
Walmsley, Frank, 1578 Fifth Avenue West, Vancouver.

### Ironing-boards.

B.C. Hardwood Floor Company, Vancouver.
Dowling Manufacturing Company, Vancouver.
Hiker Manufacturing Company, Ltd., Victoria.
Spruce Specialties, Ltd., Vancouver.
Waters, T. H., & Co., Ltd., Nelson.

### Irrigation Sprinklers.

Economy Irrigation Manufacturing Company, Ltd., 632 Pembroke Street, Victoria.

### Iodine.

Nichols Chemical Company of Canada, Ltd., Barnet.

### Jams and Jellies.

Beach-Eakins, Ltd., Victoria.
Broder Canning Company, Ltd., New Westminster. "Fraser Valley"; "Royal City."
Cawston Canning Company, Ltd., Cawston.
Dominion Canners, B.C., Ltd., Vancouver. "Quaker"; "Totem."

JAMS AND JELLIES—*Continued.*

Empress Manufacturing Company, Ltd., 1106 Homer Street, Vancouver. "Empress"; "Climax."
King-Beach Manufacturing Company, Ltd., Mission. "K.B."
Kamloops Canners, Kamloops.
Laurel Canners, Ltd., Lake Hill.
Loumindon Fruit Confection, Ltd., Penticton.
Mission Preserving Company, Mission. "Apex."
McDonald Jam Company, Ltd., Nelson. "Nelson."
Mrs. Haines, Ltd., Vancouver.
O.U.G. Fruit Products, Ltd., Vernon. "O.K."
Ormonds, Ltd., Victoria.
Pound, Mrs. George, 621 Fifteenth Avenue East, Vancouver. "Mrs. Pound's."
Robinson, Wm., 3636 Fourth Avenue West, Vancouver.
Quality Fruit Farms, Chilliwack.

JERSEYS.

Maple Leaf Knitting Company, 135 Hastings Street West, Vancouver.
Pride of the West Knitting Mills, Ltd., 500 Beatty Street Vancouver. "Pride of the West."
Quigley Knitting Mills, Ltd., 78 Dufferin Street E., Vancouver. "Q."
Universal Knitting Company, Ltd., 303 Pender Street West, Vancouver. "Universal."

JEWELLERS, MANUFACTURING.

Allan, O. B., Granville Street, Vancouver.
Anstie, H. J., 576 Seymour Street, Vancouver.
Birks, Henry, & Sons, Ltd., Granville Street, Vancouver.
Flewwelling, E. R., 18 Hastings Street West, Vancouver.
Jacoby Brothers, 423 Hamilton Street, Vancouver.
Jefferies & Moody, 576 Seymour Street, Vancouver.
Little & Taylor, 617 Fort Street, Victoria.
Mitchell & Duncan, Ltd., Government Street, Victoria.
Peetz, B.C., 654 Yates Street, Victoria.
Trayling & Waters, 326 Hastings Street West, Vancouver.

KITCHEN CABINETS.

Hammond, E., 1256 Union Street, Vancouver.

KNITTED GOODS, WOOLLEN.

Maple Leaf Knitting Company, 135 Hastings Street West, Vancouver.
Pride of the West Knitting Mills, Ltd., 500 Beatty Street, Vancouver. "Pride of the West."
Quigley Knitting Mills, Ltd., 78 Dufferin Street E., Vancouver. "Q."
Universal Knitting Company, 303 Pender Street West, Vancouver. "Universal."

KNIVES, PLANER, ETC.

Dion Knife Company, rear 1485 Main Street, Vancouver.

LABELS.

B.C. Printing & Lithographing Company, Ltd., Vancouver.
Colonist Printing & Publishing Company, Victoria.
Grant & Sons, Ltd., 110 Fifteenth Avenue East, Vancouver.

LACE, HAND-MADE.

Dall Real Lace Company, 615 Granville Street, Vancouver.
Thompson Lace & Veiling Company, 543 Granville Street, Vancouver.

LACES, LEATHER.

Nelson, S., Company, Vancouver.

LADDERS.

Allright Ladder Company, 912 Richards Street, Vancouver.
Hiker Manufacturing Company, Ltd., Esquimalt Road and William Street, Victoria.
Trickey–Evans Manufacturing Company, foot of Smythe Street, Vancouver.
Jones' Chicken House & Ladder Factory, 827 Fort Street, Victoria.
Waters, T. H., & Co., Ltd., Nelson.

LAMPS, AUTOMOBILE.

Auto Radiator & Lamp Company, 551 Seymour Street, Vancouver.

LARD.

Burns, P., & Co., Ltd., Victoria and Vancouver. "Shamrock."
Swift Canadian, Ltd., Victoria and Vancouver. "Silver Leaf."

LATHS.

Abbotsford Lumber Company, Ltd., Abbotsford.
Adams River Lumber Company, Ltd., Chase.

Laths—*Continued.*

Cameron Lumber Company, Ltd., Victoria.
Canada Lumber & Timber Company, Ltd., Vancouver.
Canadian Puget Sound Lumber & Timber Company, Ltd., Victoria.
Canadian Robert Dollar Company, Vancouver.
Crow's Nest Pass Lumber Company, Wardner.
Dominion Creosoting & Lumber Company, Ltd., North Arm, Fraser River.
Edgeware Lumber Company, Ltd., Castlegar.
Eburne Sawmills, Ltd., Marpole.
Fraser, John A., Quesnel.
Hanbury, J., & Son, Vancouver.
Ladner Lumber Company, Ladner.
McKenzie, W. C., 4586 Twelfth Avenue, Point Grey.
Otis-Staples Lumber Company, Wycliffe.
Rat Portage Company, Ltd., Vancouver.
Shawnigan Lake Lumber Company, Ltd., Victoria.
Sidney Mills, Ltd., Sidney.
Wallis & Illingworth, Steelhead.
Victoria Lumber & Manufacturing Company, Ltd., Chemainus.
Thurston-Flavelle Company, Port Moody.
British Canadian Lumber Corporation, Ltd., Vancouver.
British Columbia Mills, Vancouver.
Elk Lumber Company, Ltd., Fernie.
Forest Mills of British Columbia, Revelstoke.
Koch, Wm., C. E., Nelson.
Lynch, Timothy, & Company, Nelson.
New Ladysmith Lumber Company, Ltd., Nanaimo.
Robertson & Hackett Sawmills, Ltd., Vancouver.
O.G.G. Sawmills, Ltd., Hutton.
Vancouver Cedar Mills, Ltd., Vancouver.
Vancouver Lumber Company, Ltd., Vancouver.

Leather Bags, Cases, Trunks, etc.

Storey & Campbell, 518 Beatty Street, Vancouver.
Vancouver Trunk & Bag Company, Ltd., 1424 Charles St., Vancouver.

Leather, Upper and Sole.

Leckie, J., & Company, Ltd., New Westminster.
Nelson, S., Company, Ltd., Vancouver.

Lenses, Optical.

Imperial Optical Company, Ltd., Vancouver.

Lighting Systems (Gasolene, Coal-oil).

More Light, Ltd., 916-18 Pender Street West, Vancouver.

Limbs, Artificial.

Lundberg, A., Company, 938 Pender Street West, Vancouver.
S.C.R., Vancouver and Victoria.

Lime.

Alunite Mining & Products Company, Ltd., Broad Street, Victoria.
Hazel, E. J., Crowsnest.
Lands Lime, Ltd., Armstrong.
Northwest Supplies, Ltd., 525 Sayward Building, Victoria.
Pacific Lime Company, Ltd., 313 Pacific Building, Vancouver.
Rosebank Lime Company, Ltd., 415 Pemberton Building, Victoria.
Summit Lime & Cooperage Works, Crowsnest.
Western Canada Lime Company, Popkum.

Lines, Clothes.

Canada Western Cordage Company, Ltd., New Westminster.

Lingerie.

Cravat & Regalia Company, Vancouver.
Dall Real Lace Company, Ltd., 615 Granville Street, Vancouver.
Vanity Waist & Neckwear Company, Ltd., 136 Water St., Vancouver.
Thomson, James, & Son, Ltd., Water Street, Vancouver.
Jobec, Ltd., 1498 Pender Street West, Vancouver.

Liquid Air.

Canadian Liquid Air Company, Ltd., Vancouver.
Compressed Gas Company, 1530 Hastings Street West, Vancouver.
L'Air Liquide Society, Yukon and Fifth Avenue, Vancouver.
Tupper & Steele, Ltd., 1669 Third Avenue West, Vancouver.

LITHOGRAPHERS.

B.C. Printing & Litho., Ltd., 901 Homer Street, Vancouver.
Colonist Printing & Publishing Company, Victoria.
Grant & Sons, Ltd., 1110 Fifteenth Avenue East, Vancouver.
Art Engraving & Colortype Company, 445 Richards Street, Vancouver.

LOCOMOTIVES, GASOLENE.

Westminster Iron Works, Ltd., New Westminster.

LOGANBERRY-JUICE.

Kershaw's, Victoria.

LUMBER-MANUFACTURERS.

Abbotsford Lumber, Mining & Development Company, Ltd., Abbotsford.
Acomb, H. L., Nelson.
Adams River Lumber Company, Ltd., Chase.
Adolph Lumber Company, Baynes Lake.
Aitken, John, Mayne.
Alberni Pacific Lumber Company, Ltd., Port Alberni.
Alberta Lumber Company, Ltd., 790 Sixth Avenue West, Vancouver.
Alert Bay Sawmills, Ltd., 517 Granville Street, Vancouver.
Alexa Lake Mills, Ltd., Alexa Lake.
Alton, Thomas, Galena.
Andree, J., P.O. Box 1007, Fernie.
Anthony Lumber Company, Ltd., Alexa Lake.
Armstrong Sawmill, Armstrong.
Arrow Lake Lumber Company, Kamloops.
Ajax Lumber Company, Kennedy.
Bailey, D., 1428 Pandora Street, Vancouver.
Bain, Peter, Mission City.
Bainbridge Lumber Company, Ltd., 422 Pemberton Building, Victoria.
Bagot Brothers, Quathiaski Cove.
Bagshaw Lumber Company, Dewey.
Baker & Dougherty, Penticton.
Baker Lumber Company, Ltd., Waldo.
Bain, P., Dewdney.
Barclay Sound Timber Company, Bamfield.
Bashaw Lumber Company, Dewey.
Bashin & Steadman, Ltd., Nelson.
B.C. Manufacturing Company, Ltd., New Westminster.
Beaubien, A., & Sons, Rexmont.
Beaver Cove Pulp & Lumber Company, Ltd., Vancouver.
Beaver Creek Lumber Company, Port Alberni.
Beaverdale Lumber Company, Ltd., P.O. Box 339, Victoria.
Beaver River Lumber Company, Ltd., 401 Westminster Trust Building, New Westminster.
Beban, Frank, Ladysmith.
Bella Coola Lumber Company, Hagensborg.
Bently Lumber Company, Rushmore.
Benton Pole & Lumber Company, Benton Siding.
Betterton, Fraser & Co., Aspen Grove.
Bevan Lumber & Shingle Company, Ltd., Bevan.
Big Bay Lumber Company, Ltd. (near Prince Rupert), Big Bay.
Birchbank Lumber Company, Ltd., Vancouver.
Bolton, J., Fort Fraser.
Bonsall Creek Lumber Company, Ltd., Westholme, V.I.
Brand, Fred., Alberni.
Braden & Johnson, Salmon Arm.
Brennan Lake Lumber Company, Ltd., Brennan Lake, V.I.
B.C. Fir & Cedar Company, foot of Laurel Street, Vancouver.
Brooks Iowa Lumber Company, Vancouver.
British Columbia Mills Timber & Trading Company, Vancouver.
Bridges Lumber Company, Ltd., Doyle.
B.C. Spruce Mills, Ltd., Lumberton.
Brown, Jas. A., Port Essington.
Browne & Sons, Shushartie Bay.
Brunette Saw Mills Company, Ltd., New Westminster.
Bucklin Lumber Company, Ltd., New Westminster.
Burden & Watson, Crawford Bay.
Cameron Lumber Company, Ltd., Victoria.
Campbell River Lumber Company, Ltd., White Rock.
Campbell & Meyers, Port Steele.
Canada Lumber & Timber Company, Vancouver.
Canada Products, Ltd. (mills at Usk, Hazelton District), Edmonton, Alta.
C.P.R. Company Tie & Timber Branch, Bull River and Yahk.
Canadian Puget Sound Lumber & Timber Company, Ltd., Victoria.
Canadian Robert Dollar Company, Ltd., Vancouver.

LUMBER-MANUFACTURERS—*Continued.*

Canadian Western Lumber Company, Ltd., Fraser Mills.
Canyon City Lumber Company, Ltd., Creston.
Cardiff, L., Kitchener.
Carter Brothers Lumber Company, Vananda.
Cathel & Sorenson, Jordan River.
Cawley & Sons, Alberni.
Cedar Cove Sash & Door Company, Ltd., Vancouver.
Cedar Cove Operations, Vancouver.
Cedars, Ltd., 509 Northwest Building, Vancouver (Lynn Creek).
Charlotte Islands Spruce Products, Ltd., Yorkshire Bldg., Vancouver.
Charters Saw Mill, Sooke.
Chinook Cove Lumber Company, Chinook Cove.
Columbia River Lumber Company, Golden.
Coote & Reynolds, Mission.
Cooper, Alfred, Copper Creek.
Comaplix Mills, Ltd., Revelstoke.
Charles Cook, Avola.
A. Cotton, Vancouver.
Courtenay Lumber Company, Ltd., Courtenay.
Cowichan Sawmills, Ltd., 909 Dominion Building, Vancouver.
Cox, John, Gabriola Island.
Cranbrook Sash & Door Company, Ltd., Fort Steele.
Cranbrook Sawmills, Ltd., Prince George.
Crawford Brothers, Kelowna.
Crow's Nest Pass Lumber Company, Ltd., Wardner.
Crowley, Dan, Avola.
Croydon Lumber Company, Ltd., Croydon Station.
Davis, T. R., Terrace.
Day, A. S., Encombe.
Day, Harvey, Shingle Company, Dewdney.
Deerholme Lumber Company, Ltd., Duncan.
Demuth-Broderick Lumber Company, Ltd., Demuth.
Dennison, I. B., Nakusp.
Deschamps, J. S., Rossland.
Dewey Sawmill Company, Dewey.
Diamond Lumber & Shingle Company, Ltd., Revelstoke.
Dimension Lumber Company, Ltd., New Westminster.
Dome Creek Lumber Company, Dome Creek.
Dominion Creosoting & Lumber Company, Ltd., Vancouver.
Douglas Creek Lumber Company, Ltd., Boundary Falls.
Douglas & Haggerty, Courtenay.
Downs Lumber Company, Flagstone.
Dumont, Michel, Bridesville.
Dougan, W. T., Revelstoke.
Dunkirk Lumber Company, Ltd., Vancouver.
Dunlop, R., Atlin.
Dunn, Walter J., Blind Bay.
Eastern Lumber Company, Ladysmith.
East Kootenay Lumber Company, Ltd., Jaffray.
Eburne Sawmills, Ltd., Marpole.
Ebbis, J. M., Port Haney.
Economy Lumber Company, Ltd., Courtenay.
Edgewood Lumber Company, Ltd., Castlegar.
Elk Valley Lumber Company, Ltd., Fernie.
Ellis, H. M., Ltd., 118 Pacific Building, Vancouver.
Elliott, William Mission.
Empire Lumber Company, Cowichan Lake.
Erie Lumber Company, Erie.
Errington Lumber Company, Errington.
Etter, M. M., Mount Olie.
Evans Brothers, Duncan, V.I.
Ewart, A. A., Vancouver.
False Creek Lumber Company, Ltd., Vancouver.
Fanny Bay Lumber Company, Cumberland.
Ferguson, G. E., & Company, Six-mile Creek.
Ferguson, I., Glenora.
Ferguson, H. McL., Port Haney.
Flannigan Brothers, Cloverdale.
Flood Lumber Company, Flood.
Forest Mills Products, Ltd., Fort Steele.
Forest Mills of B.C., Ltd., c/o G. F. Giles, Bank of Nova Scotia Building, Vancouver.
Forman Lumber Company, Prince George.
Fraser Timber Syndicate, Dome Creek.
Frondeg Lumber Company, Cobble Hill.

LUMBER-MANUFACTURERS—*Continued.*

Fruitvale Lumber Company, Fruitvale.
Galbraith & Sons, Murrayville.
Galbraith & Thomas, Shoal Bay.
Gawley, Joseph, Keefers.
Genoa Bay Lumber Company, Victoria.
Gibson Lumber & Shingle Mill, Ahouset.
Gilroy-MacKay Lumber Company, Ltd., Vancouver.
Giscome Spruce Mills, Ltd., Willow River.
Goddard, E. E., Atlin.
Gold Creek Lumber Company, Ltd., Vancouver.
Graham, A. J., Graham's Landing.
Graham Island Spruce & Cedar Company, Ltd., Prince Rupert.
Grantham Sawmill Company, Sandwick.
Grandforks Sawmills, Ltd., 858 Cambie Street, Vancouver.
Gray & McCashling, Boulder Mill.
Green River Lumber Company, Rethel.
Gwilt Lumber Company, Ltd., Courtenay.
Hamilton Lumber Mills, Ltd., Victoria.
Hammond Cedar Company, Ltd., New Westminster.
Hanbury, John, & Company, Ltd., Vancouver.
Hansard Lake Lumber Company, Ltd., Prince George.
Hanna, Wm., Harrison Hot Springs.
Happy Valley Mills, Ltd., Happy Valley, V.I.
Harris, H., Saturna Island.
Harbour Lumber Company, Ltd., Vancouver.
Hardwick, Geo., Hendon.
Hardy & Bullers, Lumby.
Harvey & Dixon, Squamish.
Hayward Lumber Company, Usk.
Heaps, E. H., & Co., Ltd., Vancouver.
Henderson, R. S., & Son, Marigold, V.I.
Highland Lumber Company, Ltd., Cowichan Station.
Hilcrest Lumber Company, Ltd., Duncan.
Hoffstram, O. J., Rolla.
Hope Lumber Company, Hope.
Horne Lake Lumber Company, Ltd., 1104 Standard Bank Building, Vancouver.
Hoover, Chas., Armstrong.
Hutton Mills, Hutton.
Hyde Lumber Company, Peachland.
International Lumber Company, Campbell River.
Jaeck (Allen) Lumber Company, Longworth.
Jewell Lumber Company, Ltd., Caithness.
Joriman, L., Moberly.
Joyce & Johnston, Quesnel.
Kamloops Lumber Company, Ltd., Kamloops.
Kawaka Lumber Company, Hope.
Keefe, F. R., Francois Lake.
Kelowna Sawmills Company, Ltd., Kelowna.
Kettle Valley Mills, Ltd., Midway.
King-Farris Lumber Company, Ltd., Newton.
Kilpatrick, Daniel, Courtenay.
Kincolith Sawmill Company, Kincolith.
Kirkpatrick Brothers, Terrace.
Kitsumkalum Lumber Company, Ltd., Remo.
Kitwanga Lumber Company, Ltd., Kitwanga.
Kleanza Lumber Company, Ltd., Usk.
Koch, W. C., Koch Siding.
Knowler, W., Lumby.
Ladner Lumber, Ltd., Ladner.
Lakelse Lumber Company, Ltd., Armstrong.
Lake Lumber Company, Ltd., Vancouver.
Lambert, A. G., Company, Ltd., Nelson.
Larimann, T., Golden.
Laundry, J., Rolla.
Leask & Boyter, Wasa.
Lee, Geo. H., Kettle Valley.
Leigh's Mill, Ltd., Victoria.
Leir, H., Penticton.
Lemon-Gonnason Company, Ltd., Victoria.
Lindsey, F. W., Swift Creek.
Lindsley Brothers, Ltd., Nelson.
Lingle & Johnson, Slocan City.
Little, Geo., Terrace, Hazelton District.
Logan-Garcin Lumber Company, Ltd., Malahat.

Lumber-manufacturers—*Continued.*

Longworth Lumber Company, Longworth.
Loos Lumber Company, Loos.
Lovering Lumber Company, Ltd., Wasa.
Lukens, Wm. D., Palling.
Lumbard Lumber Company, Ltd., Vancouver.
Lumby Sawmill Company, Ltd., Lumby.
Lyne, Williams, Nine-mile, Soda Creek.
Lyon Lumber Company, Ltd., 505 Hastings Street West, Vancouver.
Macdonald, A., & Company, Galloway.
McAusland & Clark, Grindrod.
McDonnell, John W., Lumber Company, Fanny Bay.
McGoran, A., & Sons, Merritt.
McIntosh, Peter, Harrison Mills.
McPhelan, C. T., & Company, Hatzic.
McLay Sawmills, Ltd., Duncan.
McLean & McKay Lumber Company, Cloverdale.
McLean & Son, Fort Fraser.
M. & M. Lumber Company, Ltd., Courtenay.
McNair, Robt., Hillside.
McNair, L. & S., Ltd., North Vancouver.
Mallandaine, E., Creston.
Manzer Brothers, Silverdale.
Marley & R. Barge, Enderby.
Mainland & Island Lumber Company, Port Haney.
Maple Ridge Lumber Company, Ltd., Port Haney.
Masset Timber Company, Ltd., Vancouver.
Mathers, J. B., 315 Cordova Street West, Vancouver.
Mayhew Shingle Mill, Malakwa.
Mayo Lumber Company, Duncan, V.I.
Menzies, Jas., Menzies' Mill.
Menzies, J. A., Ltd., Merritt.
Merril & Ring Lumber Company, Campbell River.
Milestone Lumber Company, Castlegar.
Mill Creek Lumber Company, Ltd., Vancouver.
Mission Lumber Company, Mission City.
Moresby Island Lumber Company, Skidegate.
Mount Bray Mills, Mission.
Mountain Mills, Ltd., Squilax.
Moore, G. W. J., 150-Mile House.
Moore-Whittington Lumber Company, Ltd., Victoria.
Munson Sawmills, Ltd., Kelowna.
Murphy, J. E., & Co., Ladner.
Nakusp Lumber Company, Nakusp.
Nanaimo Lumber Company, Ltd., Nanaimo.
Nanoose Lumber Company, Ltd., Wellington, V.I.
Napier Lumber Company, Ltd., Duncan, V.I.
Naysmith Lumber Company, 116 Crown Building, Vancouver.
New Ladysmith Lumber Company, Ltd., Drawer 24, Nanaimo.
Newlands Sawmills Company, Ltd., Prince George.
Nicola Pine Mills, Ltd., Merritt.
Nolan Lumber Company, Flagstone.
Norris Lumber & Box Company, Ltd., Grand Forks.
North Pacific Lumber Company, Ltd., Barnet.
North West Lumber Company, Ltd., Vancouver.
Northern B.C. Fisheries, Ltd., Vancouver.
Northern Lumber Company, Erie.
Northern Construction Company, Ltd., Vancouver.
North West Mills Company, Cultus Lake.
Northern Mines & Timber Company, Ltd., Vancouver.
O. I. & M. Lumber Company, Ltd., Boulder Creek Mill.
Okanagan Wood Products, Chute Lake.
Okanagan Sawmills, Ltd., Enderby.
O'Neill, Irving & Mann, Boulder Mill.
Orion, Bowman, Sardis.
Othello Lumber Co., Ltd., 328 Rogers Building, Vancouver.
Otis-Staples Lumber Company, Ltd., Wycliffe.
Pacific Box Company, Ltd., Vancouver.
Pacific Crating & Manufacturing Company, Sidney Island.
Pacific Lime Company, Ltd., Vancouver.
Pacific Lumber & Trading Company, Ltd., 708 Pacific Building, Vancouver.
Patterson, E. O., Popkum.
Payne, G. F., Saturna Island, near Victoria.
Paulson-Manson Lumber Company, Kitchener.
Peachland L. & M. Co., Peachland.

LUMBER-MANUFACTURERS—*Continued.*

Penticton Sawmills, Ltd., Penticton.
Pioneer Lumber Company, Ltd., Telkwa.
Popcum Lumber Company, Ltd., ten miles east of Chilliwack.
Port Moody Tie & Lumber Company, Ltd., Strawberry Hill.
Powell, W. W., Company, Ltd., Nelson.
Prince George Sawmills, Ltd., Prince George.
Prince Rupert Lumber Company, Ltd., Prince Rupert and Vancouver.
Princeton Coal & Lumber Company, Coalmont.
Promontory Sawmills, Sardis.
Qualicum Lumber Company, 512 Standard Bank Building, Vancouver.
Quatsino Manufacturing & Development Company, Quiet Cove.
Rainbow Creek Lumber Company, Flagstone.
Rat Portage Lumber Company, Ltd., Vancouver.
Reil, C. P., Salmon Arm.
Reilly, I. R., & Co., Tappen.
Remo Sawmills, Terrace.
Red Cedar Lumber Company, Cherry Creek.
Red Mountain Lumber Company, Penny.
Renata Lumber Company, Renata.
Renwick, J., & Son, Crescent Valley.
Rerrie, Anthony A., Lumber Company, Ltd., Aldergrove.
Revelstoke Lumber Company, Ltd., Pingston Creek.
Robertson, Wm. A. V., Cowichan Lake.
Robertson & Hackett Lumber Company, Ltd., Vancouver.
Rock Creek Lumber Company, Ltd., Crowsnest.
Roddis Shingle Company, Ltd., Squattis Island, Hope.
Rogers, D., Cloverdale.
Rolla Lumber Company, Pouce Coupe.
Ross Saskatoon Lumber Company, Ltd., Waldo.
Royal Lumber Company, Usk.
Royston Lumber Company, Ltd., Cumberland.
Rutton, J. L., Falkland.
Ruskin Operations, Ltd., Ruskin.
Salloomt Lumber Company, Hagensborg.
Salmon River Saw Mills, B.C., Dewdney.
Salmon Valley Lumber Company, Ltd., Porto Rico.
Sardis Shingle Company, Ltd., Port Moody.
Sargent & Noble, Louis Lake.
Saturna Saw & Planing Mills, Saturna.
Sawyer, R. H., Revelstoke.
Sayward Trading Company, Sayward.
Scallow, Thos., Big Creek.
Scott Road Lumber Company, Vancouver.
Scott, John B., Lund.
Scoutin, W. H., Kamloops.
Seaside Lumber Company, Ltd., 704 Standard Bank Bldg., Vancouver.
Sewall Lumber Company, Ltd., Sewall, Masset Island.
Seymour Creek Mills, Ltd., Vancouver.
Shawnigan Lake Lumber Company, Ltd., Victoria.
Shuswap Saw Mills, Ltd., Enderby.
Sicamous Sawmills, Ltd., Kamloops.
Sidney Mills, Ltd. Sidney.
Sinclair, G. D., Atlin.
Singer, Fred M., Company, Vancouver.
Silverdale Lumber Company, Ltd., Mission City.
Silverton Lumber & Power Company, Ltd., Silverton.
Slocan Valley Lumber Company, Koch Siding.
Smith, F. M., Dorr.
Smith, Fred, Flagstone.
Sneddon & Dennison, Arrowhead.
South Sumas Lumber Company, South Sumas.
South Shore Lumber Company, Ltd., Vancouver.
Spratt, C. J. V., Port Alberni.
Squamish Saw Mills, Squamish.
Steelhead Valley Sawmill, Mission.
Stevens, W. T., Westbank.
Stillwater L. & S. Company, Avola.
Straits Lumber Company, Vancouver.
Strippe, W. C., Masset Island.
Strong, John, Crowsnest.
Sugar Loaf Valley Lumber Company, Ltd., Kamloops.
Summerland Lumber Company, Ltd., Allenby, near Princeton.
Summit Lake Lumber Company, Ltd., Summit Lake, Nelson District.
Superior Lumber Company, Wellington.
Superior Spruce Mills, Vancouver.

Lumber-manufacturers—*Continued.*

Sutherland, Balfour & Blyth, Cowichan Station.
Swift Creek Lumber Company, Ltd., Swift Creek.
Taggart, T. A., Carmi.
Tait, Chas. W., & Company, Ltd., Warhoop.
Tansor Lumber Company, Ltd., Duncan.
Thetis Island Lumber Company, Thetis Island.
Thorpe, D. A., Nelson.
Thurston-Flavelle, Ltd., Port Moody.
Timberland Lumber Company, Ltd., New Westminster.
Timberlake, F., Sawmill Company, Fife.
Tompkinson, A., Grindrod.
Telkwa Lumber Company, Telkwa.
Tyee Lumber Company, Ltd., Tyee Siding, V.I.
Tynehead Lumber Company, Cloverdale.
United Grain Growers, Ltd., Hutton.
Upper Fraser Lumber Company, Dome Creek.
Urquhart, J. K., Courtenay.
Vananda Sawmill Company, Vananda.
Vancouver Cedar Mills, Ltd., Vancouver.
Vancouver Island Sawmills, Horne Lake.
Vancouver Lumber Company, Ltd., Vancouver.
Verdier, George, Lund.
Varseveld Brothers Lumber Company, Fruitvale.
Victor Lumber Company, Ltd., Victoria.
Victoria Lumber & Manufacturing Company, Ltd., Chemainus.
Victoria Sawmill Company, Rivers Inlet.
Waldbreser & Miffin, Sheep Creek.
Walker & Marvin, Alberni.
Walsh, E. C., Lumber Company, Ltd., North Vancouver.
Waneta Power Company, Ltd., Waneta.
Watts Company, Ltd., South Slocan.
Webber Lumber Company, Ltd., Port Haney.
Webster, Black & Company, Fraser Lake.
Welfret Lumber Company, Ltd., Vancouver.
Wells Lumber Company, Ltd., Hillier.
Wellington Lumber Company, Ltd., Nanaimo.
Westminster Shook Mills, New Westminster.
Western Canada Timber Company, Nelson.
Western Box & Shingle Company, Nelson.
Western Canada Timber Company, Gerrard.
Western Hemlock Mills, Ltd., Vancouver.
Whitehead, James, Moyie.
White Spruce Lumber Company, Ltd., Fernie.
Whittaker, R. F., Seechelt.
Wish & Wickstrom, Copper Creek.
Wilson, J. C., Lumber Company, Qualicum Beach.
Winlaw, J. B., & Son, Duck Creek.
Wolverine Lumber Company, Murrayville.
Woodward & Davis, Squilax.
Wright, R. S., Ltd., Usk.
Wynndel Box Factory, Wynndel, near Creston.
Yates, D. C., Fort St. John.
Yellow Fir Lumber Company, Ltd., Vancouver.

Lye.

Excel Products Company, Vancouver.
Pendray, W. J., & Sons, Ltd., Victoria.
Royal Crown Soaps, Ltd., 308 Georgia Street East, Vancouver.

Macaroni.

Holsum Products, Ltd., Fisgard Street, Victoria
Kelly-Douglas Company, Ltd., Vancouver. "Canadian."
Kelly Confection Company, Ltd., 1106 Mainland Avenue, Vancouver.
Modern Macaroni Factory, 648 Johnson Street, Victoria. "Liberty Brand."
Ramsay Brothers & Company, Ltd., 990 Powell Street, Vancouver. "Ramsay's."

Machinery, Canning.

Heaps Engineering Company, Ltd., New Westminster.
Letson & Burpee, Ltd., Vancouver.
Schaake Company, Ltd., Vancouver.
Victoria Machinery Depot Company, Ltd., Victoria.
Murray-Latta Machine Works, Vancouver.

Machinery, Ice-making.

Linde Refrigerator Company, Vancouver.
Mitchell, Geo. E., Vancouver.

### MACHINERY, LOGGING.

Canadian Sumner Iron Works, Vancouver.
Empire Manufacturing Company, Ltd., 1200 Sixth Avenue West, Vancouver.
Gibson's, Ltd., 1 Alexander Street, Vancouver.
Hall Machinery Works, 1225 Alberni Street, Vancouver.
Heaps Engineering Works, New Westminster.
Letson & Burpee, Vancouver.
Mainland Engineering Works, Vancouver.
Marine Iron Works, Ltd., Victoria.
Olson, M. O., Iron Works, 309 Alexander Street, Vancouver.
Opsal Steel Company, Ltd., Vancouver.
Pacific Iron Works, 241 Prior Street, Vancouver.
Progressive Engineering Works, Vancouver.
Ross & Howard Iron Works, Ltd., Vancouver.
Terminal City Iron Works, Vancouver.
Vancouver Engineering Works, Vancouver.
Vancouver Machinery Depot, Ltd., Vancouver.
Victoria Machinery Depot, Ltd., Victoria.
Westminster Iron Works, New Westminster.
Yarrows, Ltd., Esquimalt.

### MACHINERY, MILKING.

Cope & Sons, Ltd., 101 Front Street East, Vancouver.

### MACHINERY, MINING.

Boundary Iron Works, Ltd., Grand Forks.
Ellis, W. J., & Company, Kamloops.
Hanes Engine Works, Ltd., Granville Island, Vancouver.
Heaps Engineering Company, New Westminster.
Marine Iron Works, Victoria.
Nelson Iron Works, Ltd., Nelson.
Ross & Howard Iron Works, Ltd., Vancouver.
Schaake Company, Ltd., Vancouver.
Terminal City Iron Works, Vancouver.
Vancouver Engineering Works, Ltd., Vancouver.
Victoria Machinery Depot, Victoria.
Vulcan Iron Works, Ltd., Granville Island, Vancouver.

### MACHINERY, PULP-WOOD AND PULP.

Hanes Engine Works, Ltd., Granville Island, Vancouver.
Ross & Howard Iron Works, Ltd., Vancouver.
Vancouver Engineering Works, Ltd., Vancouver.
Vulcan Iron Works, Ltd., Granville Island, Vancouver.

### MACHINERY, SAWMILL AND SHINGLE-MILL.

B.C. Equipment Company, Ltd., Vancouver.
Canadian Sumner Iron Works, Ltd., 1214 Pender Street E., Vancouver.
Ellis, W. J., & Company, Kamloops.
Hall Machine Works, 1225 Alberni Street, Vancouver.
Hanes Engine Works, Ltd., Granville Island, Vancouver.
Heaps Engineering Company, Ltd., New Westminster.
Letson & Burpee, Ltd., Vancouver.
Nelson Iron Works, Ltd., Nelson.
Ross & Howard Iron Works Company, Ltd., Vancouver.
Schaake Company, Ltd., Vancouver.
Victoria Machinery Depot Company, Ltd., Victoria.
Vancouver Engineering Works, Ltd., Vancouver.
Vancouver Machinery Depot, Vancouver.
Webb & Gifford, New Westminster.

### MACHINERY, SMELTING.

Boundary Iron Works, Ltd., Grand Forks.
Hanes Engine Works, Ltd., Vancouver.
Nelson Iron Works, Ltd., Nelson.
Ross & Howard Iron Works, Ltd., foot of Woodland Drive, Vancouver.
Vancouver Engineering Works, Ltd., 519 Sixth Avenue W., Vancouver.

### MACHINES, WASHING.

Beatty Brothers, Ltd., 928 Granville Street, Vancouver.
Golightly Brothers, Ltd., 753 Powell Street, Vancouver.

### MAGNESITE, CALCINES.

Cariboo Magnesite Company, Ltd., Industrial Island, Vancouver.

### MARMALADE.

Beach-Eakins, Ltd., Victoria.
Empress Manufacturing Company, Ltd., 1106 Homer Street, Vancouver. "Empress"; "Climax."

Marmalade—*Continued.*

Mrs. Haine, Ltd., 2645 Fourth Avenue West, Vancouver. "Mrs. Haine's."
Holsum Products, Ltd., Victoria.
Mrs. Geo. Pound, Vancouver . "Mrs. Pound's."
King-Beach Manufacturing Company, Ltd., Mission. "K.B."
Laurel Canners, Ltd., Lake Hill.
Loumindon Fruit Confections, Ltd., Penticton.
McDonald Jam Company, Ltd., Nelson. "Victory."
Stanley's Pure Preserve Company, 3370 Victory Street, Vancouver.

Match-blocks.

Powell, W. W., Company, Ltd., Nelson.

Mattresses.

Heberlee Ideal Bedding Company, Ltd., 159 Granville St., Vancouver.
Restmore Manufacturing Company, Ltd., Vancouver. "Restmore."
Simmons, Ltd., 2034 Eleventh Avenue West, Vancouver. "Simmons."
Victoria Bed & Mattress Company, Ltd., 776 Topaz Avenue, Victoria. "Getmorest."
Kootenay Wire Works Manufacturing Company, Ltd., Nelson.
Folding Mattress Company, 300 Glen Drive, Vancouver. "Modern."

Memorandum Books.

Clarke & Stuart Company, Ltd., Vancouver.
Columbia Paper Company, Ltd., Vancouver.
Smith, Davidson & Wright, Ltd., Victoria and Vancouver.

Meats, Canned.

Mrs. Casperson, Vancouver.

Meats, Cured.

Burns, P., & Company, Ltd., Vancouver and Victoria.
Swift Canadian, Ltd., Vancouver and Victoria.

Milk, Powdered.

Powdered Milk, Ltd., New Westminster.

Milk, Evaporated.

Pacific Milk Company, Ltd., 328 Drake Street, Vancouver. "Pacific."

Mince-meat.

Beach-Eakins, Ltd., Victoria.
Burns, P., & Company, Ltd., Vancouver.
Empress Manufacturing Company, Ltd., 1106 Homer Street, Vancouver. "Empress"; "Climax."
Kelly Confection Company, Ltd., 1106 Mainland Street, Vancouver. "Kelly's."

Mirrors.

Bogardus-Wickens, Ltd., 1000 Homer Street, Vancouver.
O'Neil, Wm. N., Company, Ltd., Victoria and Vancouver.
Pilkington Brothers, Ltd., Vancouver.
Holt, Wm., & Sons, 436 Dufferin Street West, Vancouver.

Molasses.

B.C. Sugar Refining Company, Ltd., Vancouver.
Kelly Confection Company, Ltd., 1106 Mainland Street, Vancouver. "Chef"; "Sugar House"; "Black Strap."
Ramsay Brothers & Company, Ltd., Vancouver. "D."

Mops.

B.C. Brush Works, Ltd., Vancouver.
Dust Control Company, 2246 Commercial Drive, Vancouver. "Cedar"; "Roylo."
Saul, H., & Company, 1156 Fifteenth Avenue East, Vancouver.

Mucilage.

Columbia Printing Ink & Roller Company, Vancouver.
Peerless Products, Ltd., 1642 Pandora Street, Vancouver. "Peerless."

Nails.

Morrison Steel & Wire Company, Ltd., Granville Island, Vancouver.

Naphtha.

Granby Consolidated Mining & Smelting Company, Vancouver.

Napkins, Paper.

Westminster Paper Mill, Ltd., New Westminster.

Neckwear, Men's.

Cravat & Regalia Company, 436 Howe Street, Vancouver.
Harrison, F. E., Mercantile Building, Vancouver.

NECKWEAR, WOMEN'S.

Finlayson, H. L., 318 Homer Street, Vancouver.
Vanity Waist & Neckwear Company, Ltd., 136 Water St., Vancouver.

NITRIC ACID.

American Nitrogen Products, Ltd., Lake Buntzen.
Canadian Explosives, Ltd., Victoria.
Victoria Chemical Company, Victoria.

NURSERIES.

B.C. Nurseries, Ltd., Sardis.
Layritz Nurseries, Wilkinson Road, Victoria.
Osoyoos Nurseries, Osoyoos.
Oliver Nurseries, Oliver.
Riverside Nurseries, Grand Forks.

OARS.

Spruce Specialties, Ltd., Vancouver.

OATMEAL.

Brackman-Ker Milling Company, Ltd., Victoria. "B. & K."

OILS, BURNING.

Imperial Oil Company, Ltd., Ioco.
Union Oil Company, Ltd., Port Moody.

OILS, CREOSOTE.

Barrett Company, Ltd., Marpole.
Western Industrial Development Company, Ltd., 1043 Hamilton Street, Vancouver.

OIL, FISH.

Beaty, W. R., & Co., Granville Island, Vancouver.
Canada Fish Products, Ltd., Ladner.
Consolidated Whaling Corporation, Ltd., Victoria.
Henshall Fish Products, Ltd., Victoria.
Jardine, J. B., Nanaimo.
Nanaimo Fish Meal & Oil Refinery, Nanaimo.
Pacific Guano Company, 433 Pender Street West, Vancouver.
Rendezvous Fisheries, Ltd., Rendezvous Island.
Rupert Marine Products, Ltd., Prince Rupert.
Tucks Inlet By-products, Ltd., Victoria Drive, Vancouver.
Western Ocean Products, Ltd., Toquart, Barclay Sound, V.I.

OIL, FLOOR.

British American Paint Company, Ltd., Victoria.
Dust Control Company, 2246 Commercial Drive, Vancouver.
Tillikum Manufacturing Company, Dufferin Street West, Vancouver.
Western Industrial Development Company, 1043 Hamilton Street, Vancouver.

OIL, FUEL.

Imperial Oil, Ltd., Ioco.
Union Oil Company, Ltd., Port Moody.

OIL, GAS DISTILLATE.

Western Industrial Development Company, 1043 Hamilton Street, Vancouver.
Imperial Oil, Ltd., Ioco.
Sidney Roofing & Paper Company, Ltd., Victoria.
Union Oil Company, Ltd., Port Moody.

OIL, LUBRICATING.

Ayres Varnish Company, Ltd., Vancouver.
Western Industrial Development Company, Ltd., 1043 Hamilton Street, Vancouver.
Imperial Oil, Ltd., Ioco.
Union Oil Company, Ltd., Port Moody.

OIL, POLISHING.

British American Paint Company, Ltd., Victoria.
Suprema Polish Company, 2071 First Avenue West, Vancouver.
Western Industrial Development Company, Ltd., 1043 Hamilton Street, Vancouver.

OIL, WHALE.

Consolidated Whaling Corporation, Ltd., Victoria.

ORNAMENTAL-IRON WORKS.

Artistic Iron Works, 116 Dufferin Street East, Vancouver.
Morris, S. M., & Company, 2120 Cedar Street, Vancouver.
Pearson Wire & Iron Works, City Market, Vancouver.
Westminster Iron Works, Ltd., New Westminster.
Vancouver Art Metal Works, 54 Dufferin Street East, Vancouver.

### Overalls.

Gault Brothers, Ltd., 361 Water Stret, Vancouver. "Caribou"; "Bull Dog"; "Canuck."
Grant-Holden-Graham, Ltd., Vancouver.
Mackay, Smith, Blair & Company, Ltd., Vancouver. "Pride of the West."
Thomson, James, & Sons, Ltd., 353 Water Street, Vancouver. "Twin Bute."
Turner, Beeton & Company, Ltd., Victoria. "Big Horn."

### Oxygen.

Compressed Gas Company, Ltd., 1530 Hastings Street East, Vancouver.
L'Air Liquide Society, Fifth Avenue and Yukon Street, Vancouver.

### Paints.

Ayres Varnish & Paint Company, Ltd., Raymur and Parker Streets, Vancouver.
Brandram-Henderson, Ltd., 470 Granville Street, Vancouver.
British American Paint Company, Ltd., Victoria.
Crown Paint Company, Ltd., 24 Cordova Street East, Vancouver.
Darling, Henry, & Son, 28 Powell Street, Vancouver.
Martin-Senour Company, Ltd., 1505 Powell Street, Vancouver.
National Paint Company, Ltd., Granville Island, Vancouver.
Newton, S. R., Paint Company, Victoria.
Pacific White Lead Company, Ltd., Granville Island, Vancouver.
Pacific Paint Co., 521 Pender Street West, Vancouver.
Sherwin-Williams Company of Canada, Ltd., Vancouver.
Staneland Company, Ltd., Fort Street, Victoria.
Williams & Harte, Ltd., 1302 Wharf Street, Victoria.

### Paint, Fire-proof.

Impermea Products, Ltd., 1445 Venables Street, Vancouver.

### Panelling.

Laminated Materials, Ltd., New Westminster.
Canada Western Lumber Company, Fraser Mills.

### Pants.

Mackay, Smith, Blair & Company, Ltd., Vancouver. "Pride of the West.

### Paper, Building.

Sidney Roofing & Paper Company, Ltd., Victoria. "Kraft"; Capital"; "Esquimalt."

### Pulp and Paper Mills.

Beaver Cove Pulp & Lumber Company, Beaver Cove.
Pacific Mills, Ltd., Ocean Falls.
Powell River Company, Ltd., Powell River.
Westminster Paper Mills, Ltd., New Westminster.
Western Canada Pulp & Paper Company, Port Mellon.
Whalen Pulp & Paper Mills, Ltd., Port Alice.
Whalen Pulp & Paper Mills, Ltd., Swanson Bay.
Whalen Pulp & Paper Mills, Ltd., Mill Creek, Howe Sound.

### Paper, Kraft.

Pacific Mills, Ltd., Ocean Falls.

### Paper, Newsprint.

Pacific Mills, Ltd., Ocean Falls.
Powell River Company, Ltd., Powell River.
Wigwam Pulp & Paper Company, Ltd., Elko.

### Paper, Toilet.

Westminster Paper Mills, Ltd., New Westminster.

### Paper, Tissue.

Westminster Paper Mills, Ltd., New Westminster.

### Pearl Barley.

Brackman-Ker Milling Company, Ltd., Victoria. "B. & K."

### Paste, Label.

Columbia Printing Ink & Roller Company, 1063 Hamilton Street, Vancouver.
Laboratories & Manufacturing Company, Cordova and Cambie Streets, Vancouver.
Peerless Products, Ltd., 1642 Pandora Street, Vancouver.

### Paste, Photo.

Peerless Products, Ltd., 1642 Pandora Street, Vancouver. "Peerless."

PEANUT BUTTER.

Canada Nut Company, Ltd., 1280 Homer St., Vancouver. "Squirrel."
Kelly Confection Company, Ltd., 1106 Mainland Street, Vancouver.
Lyons, F., & Company, 1500 Main Street, Vancouver.
McQueen Produce Company, Ltd., 25 Pender Street West, Vancouver.

PEEL, CANDIED.

Dominion Canners, Ltd., Vancouver.
Mrs. Haines, Ltd., 2645 West Fourth, Vancouver.
Loumindon Fruit Products, Ltd., Penticton.
Robinson, W., 3636 Fourth Avenue West, Vancouver.

PHARMACEUTICAL PREPARATIONS.

B.C. Pharmacal Company, Vancouver.
National Drug Company, Vancouver.

PHONOGRAPHS.

Artcraft Phonograph Company, Vancouver. "Classic."
Premier Phonograph Company, Garbally Road, Victoria. "Premier."
Fine Art Furniture Company, Ltd., Union Street, Vancouver.

PIANOS.

Charles, Edward, New Westminster.

PICKLES AND SAUCES.

Empress Manufacturing Company, 1106 Homer Street, Vancouver. "Empress"; "Climax."
Holsum Products, Ltd., 851 Fisgard Street, Victoria.
Loumindon Fruit Confections, Ltd., Penticton.
Lyons, F., & Company, 1500 Main Street, Vancouver.
Vancouver Pickle Company, Ltd., Granville Island, Vancouver. "Rainbow."

PICTURES, MOTION.

Western Canada Entertainments, Ltd., Vancouver.

PILCHARDS.

Clayoquot Sound Packing Company, Ltd., Victoria. "Albatross Brand."
Gosse-Millerd, Ltd., Vancouver.
Nootka Packing Company, Ltd., Nootka.
Wallace Fisheries, Ltd., Vancouver.

PILLOWS.

Heberlee's Ideal Bedding Company, 1159 Granville Street, Vancouver. "Ideal."
Restmore Manufacturing Company, Ltd., Vancouver. "Restmore."
Simmons, Ltd., 2034 Eleventh Avenue West, Vancouver. "Ostermoor."

PIPE, CAST IRON.

McLean & Powell, Vancouver.
Ross & Howard Iron Works, Ltd., Vancouver.
Tait Pipe & Foundry Company, Ltd., 500 Beatty Street, Vancouver.
Vancouver Engineering Works, Vancouver.
Yarrows, Ltd., Victoria.

PIPE, LEAD.

Canada Metal Company, Ltd., Vancouver.
Consolidated Mining & Smelting Company of Canada, Ltd., Trail.

PIPE, WOOD STAVE.

Canadian Pipe Company, Ltd., 550 Pacific Street, Vancouver.
Pacific Coast Pipe Company, Ltd., 1551 Granville Street, Vancouver.
Vancouver Wood Pipe & Tank Company, 850 Hastings Street West, Vancouver.

PISTON-RINGS.

Beatson, Frank, 1272 Sixth Avenue West, Vancouver.

PITCH.

Barrett Company, Ltd., Tenth Avenue and Arbutus Street, Vancouver.

PLASTER ORNAMENTS.

Fabri, A., 614 Davie Street, Vancouver.

PLATING.

Albion Stove Works, Victoria.
B.C. Silver Plating Company, 547 Richards Street, Vancouver.
Cascade Plating Works, 325 Howe Street, Vancouver.
Superior Plating & Galvanizing Works, 153 Cordova Street East, Vancouver.
Victoria Plating Works, 823 Pandora Street, Victoria.

### Polish, Auto.

Golden Rule Manufacturing Company, 622 Campbell Street, East Burnaby.
Suprema Polish Company, Vancouver.

### Polish, Boot and Shoe, Water-proof.

Bell Products, 4550 John Street, South Vancouver.

### Polish, Floor, Furniture, etc.

British American Paint Company, Ltd., Victoria.
Western Industrial Development Company, 1043 Hamilton Street, Vancouver.
Dust Control Company, 2246 Commercial Drive, Vancouver.
Saul, H., & Company, 1156 Fifteenth Avenue East, Vancouver.
Suprema Polish Company, 2071 First Avenue West, Vancouver.
Tillikum Manufacturing Company, Vancouver.

### Polish, Silver and Metal.

British American Paint Company, Ltd., Victoria.
Brighten All, Victoria.

### Polish, Stove.

Canadian Chemical Company, Ltd., 376 Lansdowne Street West, Vancouver. "Stove Tox."
Tillikum Manufacturing Company, Vancouver. "Skookum."

### Pork and Beans.

Broder Canning Company, Ltd., New Westminster. "Fraser Valley"; "Royal City."
Dominion Canners, B.C., Ltd., 332 Drake St., Vancouver. "Quaker."

### Powder, Baking.

Empress Manufacturing Company, Ltd., 1106 Homer Street, Vancouver. "Empress"; "Climax."
Jameson, W. A., Coffee Company, 754 Broughton Street, Victoria. "Featherlight."
Kelly, Douglas & Company, Ltd., Vancouver. "Nabob."
Malkin, W. H., & Company, Ltd., Vancouver. "Malkin's Best"; "Tropical"; "Victoria Cross."

### Powder, Blasting.

Canadian Explosives, Ltd., Vancouver and Victoria.
Giant Powder Company of Canada, Ltd., Vancouver.

### Powder, Face.

Excel Products, Company, Vancouver.
Henrietta Toilet Preparations, 649 Seymour Street, Vancouver. "Henrietta."

### Powder, Jelly.

Empress Manufacturing Company, Ltd., 1106 Homer Street, Vancouver. "Empress"; "Climax."
Jameson, W. A., Coffee Company, 754 Broughton Street, Victoria. "Jameson's."
Kelly, Douglas & Company, Ltd., Vancouver. "Nabob."
Malkin, W. H., Company, Ltd., Vancouver. "Malkin's Best."

### Powder, Talcum.

B.C. Pharmacal Company, Ltd., Railway Street, Vancouver. "Columbian Violet"; "Canadian Bouquet"; "Perfect."
Henrietta Toilet Preparations, 649 Seymour Street, Vancouver. "Henrietta."

### Powder, Washing.

Golden Rule Manufacturing Company, 622 Campbell Avenue, East Burnaby. "Golden Rule."
Pendray, W. J., & Sons, Ltd., Victoria. "White Swan."
Royal Crown Soaps, Ltd., 308 Georgia Street East, Vancouver. "Royal Crown."
White Wizard Company, 3743 Main Street, Vancouver.

### Pulleys, Wood.

Columbia Pulleys, Ltd., 624 Eighteenth Avenue East, Vancouver.
Letson & Burpee, Ltd., 172 Alexander Street, Vancouver.

### Pulp, Kraft.

Pacific Mills, Ltd., Ocean Falls.
Western Canada Pulp & Paper Company, Ltd., Port Mellon.

PULP, SULPHATE WOOD.

Beaver Cove Lumber & Pulp Company, Ltd., Beaver Cove.
Pacific Mills, Ltd., Ocean Falls.
Western Canada Pulp & Paper Company, Ltd., Port Mellon.

PULP, SULPHITE WOOD.

Pacific Mills, Ltd., Ocean Falls.
Powell River Company, Ltd., Powell River.
Whalen Pulp & Paper Mills, Ltd., Vancouver.

PUMPS.

Letson & Burpee, Ltd., Vancouver.
Marine Iron Works, Ltd., Victoria.
Pumps & Power, Ltd., Vancouver.
Terminal City Iron Works, Ltd., Vancouver.
Vancouver Engineering Works, Ltd., Vancouver.
Vancouver Machinery Depot, Ltd., Vancouver.
Wonder Pump & Engine Company, Ltd., Vancouver.

PUMPS, SHIP.

Marine Iron Works, Ltd., Victoria.
Terminal City Iron Works, Vancouver.
Victoria Brass & Iron Works, Victoria.

PUTTY.

British American Paint Company, Ltd., Victoria.
Darling, Henry, & Son, 28 Powell Street, Vancouver.

QUARRIES.

Babington, H. B., Prince Rupert.
Becker, Louis, 602 Hastings Street West, Vancouver.
Canadian Marble & Granite Works, Ltd., Nelson.
Coast Quarries, Ltd., Vancouver.
Dawson, Fred J., Nelson.
Dawson, Fred. J., Vancouver.
Mellon, Richard G., Duncan.
Sechelt Granite & Quarry, Ltd., Vancouver.
Simpson, C. G., Nelson.
Vancouver Granite & Quarry, Ltd., Vancouver.
Wilson, James S., Sirdar.
Wolf, H., Prince Rupert.

RADIO TELEPHONES.

Sprott-Shaw Radio Company, Ltd., Vancouver.

RADIO EQUIPMENT.

Sprott-Shaw Radio Company, Ltd., Vancouver.

RANGES, HOUSEHOLD.

Albion Stove Works, Ltd., Victoria.
Vancouver Stove & Heater Company, Ltd., 2100 Eleventh Avenue West, Vancouver.
McClary Manufacturing Company, Vancouver.

REFRIGERATORS.

Linde Canadian Refrigerator Company, Ltd., 500 Campbell Street, Vancouver.
Mitchell, Geo. E., 453 Thurlow Street, Vancouver.

RETORTS.

Murray-Latta Machine Works, Vancouver.
Letson & Burpee, Ltd., Vancouver.
Ross & Howard Iron Works, Ltd., Vancouver.
Vancouver Engineering Works, Vancouver.
Vulcan Iron Works, Ltd., Granville Island, Vancouver.
Victoria Machinery Depot, Victoria.
Yarrows, Ltd., Victoria.

RICE.

Asahi Rice Mills Company, 821 Powell Street, Vancouver.
Gim Fook Yuen, 1716 Government Street, Victoria.
Imperial Grain & Milling Company, 343 Railway Street, Vancouver.
Kozai, H., 758 Sixth Avenue West, Vancouver.
Mount Royal Milling & Manufacturing Company, 1824 Store Street Victoria.
Sakai Tsurunosuke, 474 Alexander Street, Vancouver.
Sam Kee, 111 Pender Street East, Vancouver.
Shimizu, K., 1625 Store Street, Victoria.
Wing Chong & Company, 510 Cormorant Street, Victoria.
Wing Funk Company, 9 Canton Alley, Vancouver.

RINGS, PISTON.

Beatson, Frank, 1272 Sixth Avenue West, Vancouver.

Rolled Oats.

Brackman-Ker Milling Company, Ltd., Victoria. "B. & K."

Rollers, Printers'.

Columbia Printing Ink & Roller Company, Vancouver.

Roofing, Felt.

Sidney Roofing and Paper Company, Ltd., Victoria. "Sid-co"; "X"; "XX"; "XXX."

Roofing, Ready.

Barrett Company, Ltd., Vancouver. "Everlastic"; "Amazon"; "Vitex"; "Panamoid."

Sidney Roofing and Paper Company, Ltd., Victoria. "Sid-co"; "Barbadoes"; "Premier."

Newton, S. R., & Company, Yates Street, Victoria.

Rope, Manila.

Canada Western Cordage Company, Ltd., New Westminster.

Rope, Wire.

Britannia Wire Rope Company, Ltd., Vancouver.

Rubber Stamps.

Geo. H. Hewitt Company, Ltd., Vancouver.
Houghton & Evans, Vancouver.
Sweeney-McConnell, Ltd., Victoria.
The Clarke & Stuart Company, Ltd., Vancouver.

Rugs, Automobile.

Canada Western Woollen Mills, Ltd., 440 Clark Drive, Vancouver.

Rugs, Fluff.

Pacific Coast Fluff Rug Company, 1061 Richards Street, Vancouver.
Vancouver Fluff Rug Company, Seventeenth Avenue West and Willow Street, Vancouver.

Saddles.

Beer, A. J., West Summerland.
B.C. Saddlery Company, Ltd., Victoria.
Bryant, C. F., Nanaimo.
Duncan, William, Victoria.
Ferris, Walter, 1514 Fifth Avenue West, Vancouver.
Norris, F., & Sons, Victoria.
McLaren, C. D., 211 Georgia Street East, Vancouver.
Okanagan Saddlery, Vernon.
Storey & Campbell, 518 Beatty Street, Vancouver.
Wilcox-Hall Company, Ltd., Kamloops.
Glen, W. R., & Son, Kelowna.
Nelson, S., Company, Ltd., Vancouver.

Sails.

Grant-Holden-Graham, Ltd., Vancouver.
Jeune, F., & Bro., Ltd., Victoria.
Jones, C. H., & Son, Ltd., Vancouver.
Lipsett, Edward, Vancouver.
Nugent, H. M., & Company, Vancouver.

Sal Soda.

Pendray, W. J., & Sons, Ltd., Victoria.
Royal Crown Soaps, Ltd., 308 Georgia Street East, Vancouver.

Salad Dressing and Oils.

Holsum Products, Ltd., Victoria.
Kelly Confection Company, Ltd., 1106 Mainland Avenue, Vancouver.
Kelly, Douglas & Company, Ltd., Vancouver. "Nabob."
Vancouver Pickle Company, Ltd., Granville Island, Vancouver.

Salmon, Canned.

Alert Bay Canning Company, Alert Bay.
Anglo British Columbia Packing Company, Ltd., Vancouver.
Bella Coola Canning Company, Bella Coola.
British Columbia Canning Company, Victoria.
Brunswick Canning, Canoe Pass.
B.C. Fishing and Packing Company, Ltd., Vancouver.
Canadian Canning Company, Ltd., Eburne.
Canadian Fishing Company, Ltd., foot of Gore Avenue, Vancouver.
Canadian Fish & Cold Storage Company, Ltd., Prince Rupert.
Cassiar Packing Company, Ltd., Vancouver.
Clayoquot Sound Canning Company, Ltd., Victoria.
C.L. Packing Company, Ltd., Vancouver.
DesBrisay, M., Company, 403 Yorkshire Building, Vancouver.
Glenrose Canning Company, Ltd., New Westminster.

SALMON, CANNED—*Continued.*

Giffin Canneries, Ltd., Vancouver.
Gosse-Millerd, Ltd., Vancouver.
Great West Packing Company, Ltd., Steveston.
Gulf of Georgia Canning Company, Ltd., Steveston.
Harlock Island Cannery, Steveston.
Hickey, Wm., Canning Company, Ltd., Vancouver.
Inverness Cannery, Inverness.
Jervis Inlet Packing Company, Ltd., Vancouver.
Kildala Packing Company, Ltd., Vancouver.
Kimsquit Cannery, Kimsquit.
Kincolith Packing Company, Ltd., Kincolith.
Lockeport Canning Company, Ltd., Vancouver.
Lowe Inlet Cannery, Lowe Inlet.
Lummi Bay Packing Company, Ltd., Lake Nitinat.
Maritime Fisheries, Ltd., Vancouver.
McPherson & Wilkinson, Vancouver.
McTavish Fisheries, Ltd., Vancouver.
Nanaimo Canners & Packers, Ltd., Nanaimo.
National Canners, Ltd., Vancouver.
Nootka Packing Company, Ltd., Nootka.
Northern B.C. Fisheries, Ltd., Vancouver.
Preston Packing Company, Ltd., Vancouver.
Quathiaski Canning Company, Ltd., Quathiaski Cove.
Redonda Canning & Cold Storage Company, Ltd., Vancouver.
Richmond Canning Company, Steveston.
Saanich Canning Company, Ltd., Sidney.
Sidney Canning Company, Ltd., Sidney.
Skeena River Commercial Company, Ltd., Vancouver.
Sooke Harbour Fishing & Packing Company, 505 Union Bank Building, Victoria.
Tallheo Fisheries, Ltd., Bella Coola.
Terra Nova Canning Company, Terra Nova.
Todd, J. H., & Sons, Victoria.
Wallace Fisheries, Ltd., Vancouver.
Western Packers, Ltd., Vancouver.
Western Salmon Packing Company, Ltd., Portland Inlet.

SALTS, EPSOM AND MINERAL.

Basque Chemical Production Company, Ltd., Epsom.
Nichols Chemical Company, Ltd., Barnet.
Victoria Chemical Company, Ltd., Victoria.

SAND AND GRAVEL.

Champion & White, Ltd., 1083 Main Street, Vancouver.
Deeks Gravel & Rock Company, Ltd., 744 Hastings Street West, Vancouver.
Dewar, J. A., Company, Ltd., Vancouver.
Eburne Gravel Company, 8935 Hudson Street, Eburne.
Fairview Sand & Gravel Company, Granville Island, Vancouver.
Great West Sand & Gravel Company, Ltd., North Vancouver.
Harbour Sand & Gravel Company, Ltd., 626 Pender Street West, Vancouver.
Pacific Builders' Supply Company, foot of Angus, Eburne.
Producers Rock & Gravel Company, Ltd., Victoria.
Nicomen Sand & Gravel Company, Ltd., c/o Foundation Company, Vancouver.

SASH AND DOORS.

Arbuthnot, Mark, 101 Dufferin Street, Vancouver.
Arbutus Sash & Door Company, Vancouver.
Arnot, John, & Sons, Vancouver.
Beaver River Lumber Company, Ltd., New Westminster.
Becker, F. J., Armstrong.
Booth, A. H., Prince George.
Brooks, James, Woodworking Company, Ltd., East Burnaby.
Burns, J., & Sons, Nelson.
Canada Sash & Door Company, 136 Lorne Street West, Vancouver.
Cantelon Lumber Company, Vancouver.
Canadian Western Woodworkers, Ltd., Garbally Road, Victoria.
Cedar Cove Sash & Door Company, Ltd., 1101 Sixth Avenue West, Vancouver.
Chrystal, E., & Company, Ltd., 108 Georgia Street East, Vancouver.
Cornish & Cooper, 245 Dufferin Street, Vancouver.
Cranbrook Sash & Door Factory, Cranbrook.
Dixon & Murray, Vancouver.
Drysdale, W. F., & Company, 1033 North Park Street, Victoria.

Sash and Doors—*Continued.*

Eburne Sash & Door Company, Marpole.
Etter & Pearson, Penticton.
Fraser Mills Sash & Door Company, Fraser Mills.
Galbraith & Sons, New Westminster.
Hanbury, J., Ltd., Fourth Avenue and Granville Street, Vancouver.
Helmer, R. D., 996 Sixth Avenue West, Vancouver.
Hodgson Lumber Company, Vancouver.
Johnson, W., Sash & Door Factory, 854 Sixth Avenue West, Vancouver.
Jones & Son, Vancouver.
Kamloops Sash & Door Factory, Kamloops.
Lemon, Gonnason & Company, Ltd., Victoria.
Leigh's Mill, Ltd., Victoria.
Little, Wm., Terrace.
Mill Cut Homes & Lumber Company, Vancouver.
Moore-Whittington Lumber Company, Victoria.
McLeod Sash & Door Company, Ltd., 1251 Charles Street, Vancouver.
Nanaimo Builders' Supply, Nanaimo.
Nanaimo Lumber Company, Ltd., Nanaimo.
Nelson Sash & Door Factory, Nelson.
New Ladysmith Lumber Company, Ltd., Nanaimo.
Norris Lumber Box Company, Ltd., Grand Forks.
Planta, J. E., Nanaimo.
Reid Sash & Door Factory, 1635 Third Avenue West, Vancouver.
Revelstoke Sash & Door Factory, Revelstoke.
Robertson & Hackett Sash & Door Company, Ltd., Granville Street Bridge, Vancouver.
Robertson & McLaughlin, 1758 Fifteenth Avenue East, Vancouver.
Shockley, E. H., Prince Rupert.
Smith, S. C., Lumber Company, Ltd., Vernon.
Water, T. H., & Company, Ltd., Nelson.
Wattsburg Lumber Company, Ltd., South Slocan.
Western Sash & Door Company, Vancouver.

Sauces.

(*See* Pickles.)

Saw-sharpeners, Automatic.

Letson & Burpee, Ltd., Vancouver.

Saws.

Aetna Saw Works, Ltd., Granville Island, Vancouver.

School Supplies.

Columbia Paper Company, Ltd., Vancouver.
The Clarke & Stuart Company, Ltd., Vancouver.
Smith, Davidson & Wright, Ltd., Vancouver and Victoria.

Screens, Wire.

Artistic Iron Works, 116 Dufferin Street East, Vancouver.
B.C. Anchor & Fence Company, Ltd., Vancouver.
Pearson Wire Works, City Market, Vancouver.
Westminster Iron Works, New Westminster.

Scribblers.

Columbia Paper Company, Ltd., Vancouver and Victoria.
Smith, Davidson & Wright, Vancouver and Victoria.
Clarke & Stuart Company, Vancouver.

Sculptor.

C. Marega, Hamilton Drive, Vancouver.

Sheet-metal Products.

Ansell Sheet Metal Works, 2215 Thirteenth Avenue West, Vancouver.
Armstrong, E. L., 1329 Granville Street, Vancouver.
Atlas Steel Products, Ltd., Granville Island, Vancouver.
Barker, A. J., 516 Pender Street West, Vancouver.
British Columbia Ceiling & Roofing Company, Ltd., 823 Seventh Avenue West, Vancouver.
Campbell & Grill, 1238 Seymour Street, Vancouver.
Central Sheet Metal Works, 560 Cambie Street, Vancouver.
Clyde Sheet Metal Works, 511 Johnson Street, Victoria.
Cooley, H., & Son, 434 Kingston Street, Victoria.
Dionne Sheet Metal Works, 2301 Cambie Street, Vancouver.
Douglas Sheet Metal Works, Vancouver.
Eburne Sheet Metal Works, Marpole.
Fairview Sheet Metal Works, 1401 Broadway, Vancouver.
Gordon & Sons, 3982 Commercial Drive, Vancouver.
Grandview Sheet Metal Works, 1685 Venables Street, Vancouver.
Grafton, C. W., 153 Keefer Street, Vancouver.

SHEET-METAL PRODUCTS—*Continued.*

Great West Smelting & Refining Company, Ltd., 146 Dufferin Street West, Vancouver.
Grice, A., Main Street, Vancouver.
Hamilton, F. N., 1618 Commercial Street, Vancouver.
H. & H. Sheet Metal Works, 735 Richards Street, Vancouver.
Henry, Wm., Thirteenth Avenue West, Vancouver.
Hatch, James H., 63 Lansdowne Street, Vancouver.
Kirkland, J., 6244 East Boulevard, Kerrisdale.
Kitsilano Plumbing & Sheet Metal Works, 2025 Yew Street, Vancouver.
Latimer & Sons, Ltd., 550 Main Street, Vancouver.
Lee, Johnson, 826 Dunsmuir Street, Vancouver.
Little, Frank, Sheet Metal Works, 1168 Seymour Street, Vancouver.
Maber, R. H., Nelson.
Macauley, R., 4288 Main Street, Vancouver.
Miller, John K., Company, Ltd., 580 Sixth Avenue West, Vancouver.
McGirk, G. W., North Vancouver.
McLeod Sheet Metal Works, 1042 Richards Street, Vancouver.
McLennan & McFeely Company, Ltd., 99 Cordova Street, Vancouver.
Nelson Hardware Company, Nelson.
New Idea Sheet Metal Works, Beatty Street, Vancouver.
Orr Brothers, Ltd., 1210 Granville Street, Vancouver.
Pacific Sheet Metal Works, Ltd., Yates Street, Victoria.
Pacific Sheet Metal Works, Ltd. (Vancouver), Granville Island, Vancouver.
Penticton Pipe & Flume Works, Penticton.
Plunkett, D'Arcy B., 2519 Rock Bay Avenue, Victoria.
Rowe's Sheet Metal Works, Prince Rupert.
Robertson, H. J., Vancouver.
Sheet Metal Products Company, Ltd., 564 Beatty Street, Vancouver
Sixth Avenue Sheet Metal Works, Prince Rupert.
Schwan, A. W., 8 Cordova Street East, Vancouver.
Smith & Kirkland, Vancouver.
Steen & Longwill, Prince Rupert.
South Hill Sheet Metal Works, 6489 Fraser Street, South Vancouver.
Tacey, J. R., & Son, 660 Sixth Avenue West, Vancouver.
Terminal Sheet Metal Works, Ltd., 1043 Pender Street, Vancouver.
Trickey-Evans Manufacturing Company, foot of Smythe Street, Vancouver.
Vancouver Heights Sheet Metal Works, 3950 Hastings Street East, Vancouver.
Vancouver Sheet Metal Company, Ltd., 1090 Hamilton Street, Vancouver.

SHERBET.

Holme, W. A., Buena Vista.

SHINGLE-MANUFACTURERS.

Abbotsford Lumber, Mining & Development Company, Ltd., Abbotsford.
Acme Shingle Company, Ltd., Port Alberni.
Alberni Canal Shingle Company, Ltd., Port Alberni.
Aldergrove Shingle Mills, Aldergrove.
Avola Shingle Company, Avola.
Bailey, D., Vancouver.
Bailey-Hobbs Lumber Company, Ltd., Vancouver.
Barclay Shingle Mills, Port Haney.
Barr Brothers, Mission City.
Brooks Iowa Lumber Company, Clawholm Falls.
B.C. Red Shingle Company, Ltd., Vancouver.
B.C. Shingle Company, Sperling.
Beaver Cove Pulp & Lumber Company, Ltd., Vancouver.
Beaver River Lumber Company, Ltd., New Westminster.
Best-Grade Shingle, Ltd., Vancouver.
Bevan Lumber & Shingle Company, Ltd., Bevan.
Brett & Wright Shingle Company, Vancouver.
British Timber Corporation, Ltd., Vancouver.
Brooks & Brooks, Otter.
Brooks-Bidlake Cedar Company, Ltd., Vancouver.
Brown, J., Shingle Company, North Vancouver.
Brunette Lumber Company, Ltd., New Westminster.
B. & B. Shingle Company, Central Park.
Butt, Lorne E., Lumber & Shingle Company, Ltd., Mission.
Cameron Lumber Company, Ltd., Victoria.
Campbell & Sons Shingle Company, Jessica.
Campbell River Lumber Company, Ltd., White Rock.
Canada Shingle Company, Ltd., Vancouver.
Canyon City Lumber Company, Ltd., Creston.

Shingle-manufacturers—*Continued.*

Capitol Shingle Company, Ltd., Vancouver.
Cathel & Sorenson, River Jordan.
Cedar Cove Sash & Door Company, Ltd., Vancouver.
Cedars, Ltd., Vancouver.
Chew, J., Shingle Company, Vancouver.
Charlotte Islands Spruce Products, Ltd., Vancouver.
Cloverdale Milling Company, Murrayville.
Coast Shingle Company, Ltd., Vancouver.
Coombs Shingle Mill, Coombs.
Coote & Reynolds, Mission.
Cotton, Albert, Vancouver.
Cowichan Sawmills, Ltd., Victoria.
Day, Harvey, Shingle Company, Dewdney.
Defiance Shingle Company, 1010 Dominion Bank Building, Vancouver.
Diamond Lumber & Shingle Company, Ltd., Revelstoke.
Dominion Shingle & Cedar Company, Ltd., Vancouver.
Dominion Shingle Products, Ltd., Eburne.
Dominion Shingle Company, Bridgeport.
Douglas Spur Shingle Company, Ltd., Vancouver.
Eagle Shingle Company, Ltd., Mission.
Edgett Shingle Company, Ltd., Vancouver.
Edgewood Lumber Company, Ltd., Castlegar.
Edham Shingle Mills, Ltd., Vancouver.
Empire Shingle Company, North Wellington, V.I.
Erie Lumber Company, Erie.
False Creek Shingle Company, Ltd., Vancouver.
Fernridge Shingle Company, Murrayville.
Fidelity Woodworkers, Cobble Hill, V.I.
Fraser Mills Shingle Company, Fraser Mills.
Genoa Bay Lumber Company, Ltd., Victoria.
Gibson Lumber & Shingle Company, Ltd., Vancouver.
Gilroy Shingle Company, Vancouver.
Gorton, Albert, Vancouver.
Goe, Wm., Laidlaw.
Graham, A., Graham's Landing.
Gray, Wm., & McCashing, H. F., Salmo.
Gulf Sawmills, Ltd., Seechelt.
Gwilt Lumber Company, Ltd., Courtenay.
Hamilton Shingles, Ltd., Arrowhead.
Hammond Cedar Company, Ltd., New Westminster.
Hartnell Lumber Company, Port Hammond.
Harrison Bay Company, Ltd., Harrison Mills.
Harrison Lake Shingle Company, Harrison Hot Springs.
Hastings Shingle Company, Ltd., Vancouver.
Hilliers Shingle Mill, Hillier's Crossing.
Highland Shingle Company, Lochdale.
Hobson, Harry, South Vancouver.
Hunter, J., Crescent.
Hunting Merritt Lumber Company, Ltd., Marpole.
Iverson & Butler Shingle Company, Ltd., 504 Northwest Building, Vancouver.
Kirkpatrick, Thos., Vancouver.
K.C. Shingle Mill, Albion.
Kootenay Shingle Company, Ltd., Salmo.
Laidlaw Shingle Company, Ltd., Squattis Island, Hope.
Lamont Brothers, Harrison Hot Springs.
Laking, Wm. E., Lincoln (Murrayville P.O.).
Leigh's Mill, Ltd., Victoria.
Lions Shingle Mills, Ltd., West Vancouver.
Little, Geo., Terrace.
Ludewig Brothers & Deepking, Trout Lake.
Lynn Valley Lumber Company, Ltd., Lynn Creek.
McCarter Shingle Company, Victoria.
McDonnell, John W., Lumber Company, Fanny Bay.
McKee, Milne & Jamieson, Green Point Rapids.
McKay, D. R., Laidlaw.
McLean Shingle Company, Port Coquitlam.
McNair & Graham, Ltd., Rosedale.
McNair Lumber & Shingles, Ltd., North Vancouver.
McNair, Robert, Shingle Company, Ltd., Vancouver.
McVicar & Company, Ltd., Burquitlam.
Mayhue Shingle Mills, Malakwa.
Melrose Shingle Company, Ltd., White Rock.
Mills Brothers, Langley Prairie.

SHINGLE-MANUFACTURERS—*Continued.*

Mount Bruce Mills Company, Ltd., Fulford Harbour, South Saltspring Island.
Nakusp Shingle Mill, Nakusp.
Naysmith Lumber Company, Vancouver.
North Shore Shingles, Ltd., North Vancouver.
Northern Pacific Logging Company, Ltd., Vancouver.
Okanagan Saw Mills, Ltd., Enderby.
Ottor Shingle Company, Ltd., Ottor.
Pacific Shingle Company, Ltd., Port Coquitlam.
Pearce & Anderson, Vancouver.
Phillips-Hoyt Lumber Company, Vancouver.
Pioneer Shingle Company, Ltd., Vancouver.
Pitt River Shingle Company, Ltd., Vancouver.
Port Hardy Shingle Company, Port Hardy.
Powell Lake Mill Company, Ltd., Powell River.
Premium Shingle Company, Ltd., South Westminster.
Promontory Saw Mills, Sardis.
Rainbow Shingle Company, Ltd., Port Coquitlam.
Rat Portage Lumber Company, Ltd., Vancouver.
Red Cedar Shingle Company, Ltd., South Vancouver.
Red Mountain Shingle Company, Silverton.
Rex Shingle Company, Ltd., Port Alberni.
Rotary Shingle Company, Ltd., Vancouver.
Ruskin Operations, Ltd., Port Haney.
Russell, P. J., Shingle Company, Vancouver.
Salloomt Lumber Company, Hagensborg.
Salmon Valley Lumber & Pole Company, Porto Rico.
Sardis Shingle Company, Ltd., Port Moody.
Sawyer, H., Company, Revelstoke.
Seabird Shingle Company, Ltd., Waleach.
Seaport Shingle Company, Ltd., Vancouver.
Seechelt Shingle Mills, Ltd., Vancouver.
Seymour Creek Mills, Ltd., 335 Princess Avenue, Vancouver.
Shull Lumber & Shingle Company, Ltd., New Westminster.
Somerton & Profitt, Powell River.
Sperling Shingle Company, Ltd., Sperling.
Standard Shingle Company, 832 Hereward Road, Victoria.
Simpson, R., Arrowhead.
Simplex Manufacturing Company, Ltd., Cheam View.
Sidney Mills, Ltd., Sidney.
Stoltze Manufacturing Company, Ltd., Vancouver.
Streno & Company, Coombs.
Stuart Lake Shingle Company, Squamish.
Superior Lumber Company, Wellington.
Surrey Shingle Manufacturing Company, Ltd., Sullivan (B.C.E.R.).
Sutton & Foote, Trout Lake.
Thurston-Flavelle, Ltd., Port Moody.
Union Cedar Mills, Ltd., North Vancouver.
Union Shingle Company, Ltd., South Vancouver.
United Mills, Ltd., New Westminster.
Urquhart, J. K., Courtenay.
Vancouver Cedar Mills, Ltd., Vancouver.
Vancouver Lumber Company, Ltd., Vancouver.
Vedder River Shingle Company, Ltd., West Vancouver.
Victoria Lumber & Manufacturing Company, Chemainus.
Western Box & Shingle Mills, Ltd., Nelson.
Westminster Mills Company, Ltd., New Westminster.
Williams Shingle Mill, Silverton.
Wright, H. T., Nanaimo.
Wolverine Lumber Company, Ltd., Murrayville.
Wilson Shingle Company, Ltd., Qualicum Beach.
Wright & Lowery, North Wellington.

SHIP-BUILDERS.

B.C. Marine Engineers & Shipbuilders, Vancouver.
Beach Avenue Shipyards, Vancouver.
Coughlan & Sons, Vancouver.
Gaw & Pratt, 53 Hastings Street West, Vancouver.
Queensboro Shipyards, New Westminster.
Star Shipyards, Lulu Island.
Turpel's Shipyards, Songhees Reserve, Victoria.
Victoria Machinery Deport, Victoria.
Vancouver Shipyards, Vancouver.
Wallace Shipyards, Vancouver.
Westminster Marine Railway Company, New Westminster.
Yarrows, Ltd., Victoria.

### Ship-repairing Yards.

B.C. Marine Engineers & Shipbuilders, Ltd., Vancouver.
J. J. Coughlan & Sons, Vancouver.
Queensboro Shipyards, New Westminster.
Star Shipyards, Lulu Island.
Victoria Machinery Depot, Ltd., Victoria.
Wallace Shipyards, Ltd., North Vancouver.
Yarrows, Ltd., Victoria.

### Shirts, Cotton, Men's.

Gibberd, F. E., Vancouver.
Gault Brothers, Ltd., 361 Water Street, Vancouver.
Mackay, Smith, Blair & Company, Ltd., Vancouver. "Pride of the West."
Turner, Beeton & Company, Ltd., Wharf Street, Victoria.
Thomson, James, & Sons, Ltd., Water Street, Vancouver.

### Shock-absorbers.

Golightly Bros., 771 Cordova Street East, Vancouver.
B.C. Steel Company, Ltd., Industrial Island, Vancouver.

### Show-cases.

Arnot, John, & Sons, Vancouver.
Canadian Western Woodworkers, Ltd., Garbally Road, Victoria.
Chrystal, E. C., & Company, 108 Georgia Street East, Vancouver.
Coutu, Louis, 1741 Main Street, Vancouver.
Dixon & Murray, 1065 Dunsmuir Street, Vancouver.
Johnson & Allen, 148 Lorne Street East, Vancouver.
Marston, C., Cabinet Works, 3864 Commercial Drive, Vancouver.

### Silica.

B.C. Silica & Talc Company, Ltd., 470 Granville Street, Vancouver.

### Silos.

Canadian Western Woodworkers, Ltd., Victoria.
Canadian Pipe Company, Ltd., Vancouver.
Hoard Company, 421 Pemberton Building, Victoria.
Pacific Coast Pipe Company, Ltd., Vancouver.
Vancouver Wood Pipe & Tank Company, Ltd., Vancouver.

### Smoke-stacks.

B.C. Iron Works, Ltd., Victoria.
Blain, A. A., 1147 Venables Street, Vancouver.
Hanes Engine Works, Ltd., Vancouver.
Marine Iron Works, Ltd., Victoria.
Miller, John K., Company, Ltd., Vancouver.
Morris, S. M., & Company, Ltd., Vancouver.
Patterson Boiler Works, 750 Alexander Street, Vancouver.
Ross & Howard Iron Works, Ltd., Vancouver.
Vancouver Engineering Works, Vancouver.
Victoria Machinery Depot Company, Ltd., Victoria.
Vulcan Iron Works, Vancouver.
Yarrows, Ltd., Victoria.

### Soap, Laundry.

Pendray, W. J., & Sons, Ltd., Victoria. "White Swan."
Royal Crown Soaps, Ltd., 308 Georgia Street East, Vancouver. "Royal Crown"; "White Wonder"; "Royal Crown Naphtha"; "Sunlight"; "Life Buoy."

### Soap, Liquid.

Western Industrial Development Company, 1043 Hamilton Street, Vancouver.
Peerless Products, Ltd., 1642 Pandora Street, Vancouver. "Peerless."
Pendray, W. J., & Sons, Ltd., Victoria. "Pendray's."

### Soap, Toilet.

Henrietta Toilet Preparation, 649 Seymour Street, Vancouver. "Henrietta."
Royal Crown Soaps, Ltd., 308 Georgia Street E., Vancouver. "Crown Oatmeal"; "Witch Hazel"; "Crown Olive."

### Soda, Sal.

Pendray, W. J., & Sons, Ltd., Victoria.
Royal Crown Soaps, Ltd., 308 Georgia Street East, Vancouver.

### Sodium Carbonate.

Canadian Carbonate, Ltd., Eleventh Avenue and Yew Street, Vancouver.
Lillooet Soda Company, Ltd., 502 Northwest Building, Vancouver.
Pendray, W. J., & Sons, Ltd., Victoria.

SPICES, GROUND.

Empress Manufacturing Company, Ltd., 1106 Homer Street, Vancouver. "Empress"; "Climax."
Jameson, W. A., & Company, Broughton Street, Victoria. "Jameson."
Kelly, Douglas & Company, Ltd., Vancouver. "Nabob."
Malkin, W. H., Company, Ltd., Vancouver. "Malkin's Best."

SPLIT PEAS.

Brackman-Ker Milling Company, Victoria.

SPRAYERS, COMPRESSED AIR.

Tacey, J. R., & Son, 550 Sixth Avenue West, Vancouver.

SPRAYING MATERIAL, TREE AND PLANT.

British America Paint Company, Victoria.
Oliver Chemical Company, Penticton.
McClounie, J., & Sons, Vernon.

SPRINKLERS.

Economy Irrigation Manufacturing Company, Ltd., 632 Pembroke Street, Victoria.

SPRINGS, AUTOMOBILE.

McAllister, Spring Company, Ltd., 1132 Richards Street, Vancouver.
Peile, Harrison, Duncan.
Sequin, Ralph, 1369 Richards Street, Vancouver.
Vancouver Spring Company, Vancouver.

SPRINGS, BED.

Restmore Manufacturing Company, Ltd., Vancouver.
Simmons, Ltd., 2034 Eleventh Avenue West, Vancouver.
Victoria Bed & Mattress Company, Ltd., 776 Topaz Avenue, Victoria.
Kootenay Wire & Spring Company, Nelson.

SPRINGS, LOCOMOTIVE.

McAllister Spring Company, Ltd., 1132 Richards Street, Vancouver.
Vancouver Spring Company, Ltd., Vancouver.

SPRINGS, COIL.

McAllister Spring Company, Ltd., 1132 Richards Street, Vancouver.
Pearson's Wire Works, Ltd., Vancouver.
Vancouver Spring Company, Ltd., Vancouver.

STAINS.

Ayres Varnish & Paint Company, Vancouver.
Brandram-Henderson of B.C., Ltd., 470 Granville Street, Vancouver.
British America Paint Company, Ltd., Victoria.
Crown Paint Company, 24 Cordova Street East, Vancouver.
Darling, Henry, & Son, 28 Powell Street, Vancouver.
Martin-Senour Company, Ltd., 1505 Powell Street, Vancouver.
National Paint Company, Granville Island, Vancouver.
Sherwin-Williams Company of Canada, Ltd., Vancouver.

STARCH, POTATO.

Pacific Starch Products, Ltd., Vancouver.

STEAMSHIPS, STEEL.

British Columbia Marine, Ltd., Vancouver.
Cotton Company, Ltd., Vancouver.
Coughlan, J., & Sons, Ltd., Vancouver.
Victoria Machinery Depot, Ltd., Victoria.
Wallace Shipyards, Ltd., Vancouver.
Yarrows, Ltd., Victoria.

STEEL PLATES, BEAMS, ETC.

Canadian Northwest Steel Company, Ltd., Vancouver.
Coughlan, J., & Sons, Ltd., Front and Columbia Streets, Vancouver.
Vulcan Iron Works, Ltd., Vancouver.

STONE, BUILDING.

Canadian Marble & Granite Works, Ltd., Nelson.
Coast Quarries, Ltd., 911 Metropolitan Building, Vancouver.
Deeks Gravel & Rock Company, Ltd., Vancouver.
Granite Quarries, Ltd., 315 Bower Building, Vancouver.
Keast & Allen, 880 Beach Avenue, Vancouver.
McDonald, J. A. and C. H., 157 Main Street, Vancouver.
Sechelt Granite Quarries, Ltd., Winch Building, Vancouver.
Vancouver Granite Company, Ltd., 815 Bower Building, Vancouver.

STONE, CUT AND DRESSED.

Art Monument Company, 602 Fifteenth Avenue East, Vancouver.
B.C. Supply Company, Vancouver.
British Columbia Monumental Works, 339 Columbia Street, New Westminster.

Stone, Cut and Dressed—*Continued.*

Bertram, W. N., 4880 Fraser Avenue, Vancouver.
Canadian Marble & Granite Works, Ltd., Nelson.
Keast & Allen, 880 Beach Avenue, Vancouver.
Marchesi Company, 300 Lonsdale, North Vancouver.
McDonald, J. A. and C. H., Vancouver.
Mortimer, John, & Son, Courtenay Street, Victoria.
Newell, J. B., 5085 Fraser Avenue, Vancouver.
Phillips Stone Works, 1502 Fairfield Road, Victoria.
Stewart Monumental Works, Ltd., 1401 May Street, Victoria.
Stewart & Willey, 5332 Fraser Avenue, Vancouver.
Vernon Granite & Marble Company, Ltd., Vernon.
Vancouver Granite Company, Ltd., 800 Beach Avenue.

Stone, Art.

Art Simpson Concrete Products, Marpole.
Dawson Art Stone Company, 294 Front Street East, Vancouver.
Fabri, A., 614 Davie Street, Vancouver.
Smith, B. J., 2347 Fourth Avenue West, Vancouver.

Stoves, Heating and Cooking.

Albion Stove Works, Ltd., Victoria.
McLean & Powell Iron Works, Dufferin Street, Vancouver.
McClary Manufacturing Company, Ltd., Vancouver.
Vancouver Stove & Heater Company, Ltd., 2100 Eleventh Avenue West, Vancouver.

Stump-pullers.

Hall Machine Works, Vancouver.
Olson, M. O., Iron Works, 309 Alexander Street, Vancouver.
Opsal Steel Company, Vancouver.

Sugar, Refined.

British Columbia Sugar Refining Company, Ltd., Vancouver.

Sulphuric Acid.

Triangle Chemical Company, Ltd., New Westminster.
Nicols Chemical Company, Ltd., Barnet.

Superphosphate of Lime.

Triangle Chemical Company, Ltd., New Westminster.

Sweaters and Sweater Coats.

Maple Leaf Knitting Company, Vancouver.
Pride of the West Knitting Mills, Ltd., 500 Beatty Street, Vancouver. "Pride of the West."
Quigley Knitting Mills, Ltd., 78 Dufferin Street E., Vancouver. "Q."
Universal Knitting Company, Ltd., 303 Pender Street West, Vancouver. "Universal."

Sweeping Compounds.

Western Industrial Development Company, Vancouver. "Rex."
Staneland Company, Ltd., Fort Street, Victoria. "Nodust."

Switchboards.

Cope & Son, Ltd., 100 Front Street East, Vancouver.
Electrical Manufacturing Company, Granville Island, Vancouver.
Smith, Robinson & Company, Vancouver.

Syrup.

British Columbia Sugar Refining Company, Ltd., Vancouver.
Kelly Confection Company, Ltd., 1106 Mainland Avenue, Vancouver.
Ramsay Brothers & Company, Ltd., 990 Powell Street, Vancouver.

Syrup, Fruit.

Loumindon Fruit Confection, Ltd., Penticton.
New Era Manufacturing Company, 576 Seymour Street, Vancouver.

Tanks, Metal.

Blain, A. A., 1147 Venables Street, Vancouver.
B.C. Iron Works, Ltd., Victoria.
Latimer & Sons, Ltd., 550 Main Street, Vancouver.
Marine Iron Works, Ltd., Victoria.
Patterson Boiler Works, 750 Alexander Street, Vancouver.
Ross & Howard Iron Works, Ltd., Vancouver.
Vancouver Engineering Works, Vancouver.
Victoria Machinery Depot, Ltd., Victoria.
Vulcan Iron Works, Ltd., Granville Island, Vancouver.

Tanks, Wood.

Canadian Pipe Company, Ltd., 550 Pacific Street, Vancouver.
Pacific Coast Pipe Company, Ltd., 1551 Granville Street, Vancouver.
Vancouver Wood Pipe & Tank Company, Ltd., 850 Hastings Street West, Vancouver.

TAR, WOOD.

Acetate Products, Ltd., New Westminster.

TAR, COAL.

Barrett Company, Ltd., Tenth Avenue West, Vancouver.
Cunningham, James, Gas Works, New Westminster.
Nelson Gas Company, Nelson.
Vancouver Gas Company, Vancouver.
Victoria Gas Company, Victoria.

TELEPHONES.

Wonderphone Company, Ltd., New Westminster.

TENTS.

Jeune, F., & Bro., Ltd., 570 Johnson Street, Victoria.
Jones, C. H., & Son, Ltd., 28 Water Street, Vancouver.
Lipsett, Edward, 68 Water Street, Vancouver.
Victoria Tent Factory, 618 Pandora Street, Victoria.
Nugent, H. M., & Co., 48 Water Street, Vancouver.
Rigby, Geo., 828 Fisgard Street, Victoria.
Grant-Holden-Graham, Ltd., 1260 Hamilton Street, Vancouver.

TIE (RAILWAY) MANUFACTURERS.
(*See also* Lumber.)

Byers, Chas., Nichol, via G.T.R.
C.P.R. Company Tie & Timber Branch, Bull River and Yahk.
Canyon City Lumber Company, Ltd., Creston.
Comaplix Mills, Ltd., Revelstoke.
Cook, Charles, Avola.
Cranbrook Sash & Door Company, Ltd., Cranbrook.
Delong & Meyers, Nichol, via G.T.R.
Dimension Lumber Company, Ltd., New Westminster.
Dominion Creosoting & Lumber Company, Vancouver.
Ebbis, J. M., Port Haney.
Genoa Bay Lumber Company, Ltd., Victoria.
Glenwood Shingle, Tie & Lumber Company, Ltd., Langley.
Henderson, Sam, Creston.
Hope Lumber Company, Hope.
Howland & Waltz Company, Ltd., Kaslo.
Huggins, O. M., Fife.
Hunton, C. R., Francois Lake.
Kleanza Company, Ltd., Usk.
Ladner Lumber Company, Ltd., Ladner.
Mallandaine, E., Creston.
Mankin Lumber & Pole Company, Ltd., Hall.
Mathers, J. B., Vancouver.
Mount Bray Mills Company, Ltd., Fulford Harbour, South Saltspring.
Newlands Sawmills, Ltd., Newland.
Newport Sawmills, Ltd., Squamish.
Nolan Lumber Company, Flagstone.
O. I. & M. Lumber Company, Ltd., Boulder Creek.
Silverdale Lumber Company, Ltd., Silverton.
Singer, Frederick M., Company, Vancouver.
Stearns, R. G., Burns Lake.
Tansor Lumber Company, Ltd., Duncan.
Walker & Marvin, Alberni.
Wilson, J. C., Lumber Company, Qualicum Beach.

TILES.

(New) Baker Brick & Tile Company, Victoria.
Bazan Bay Brick & Tile Company, Ltd., Sidney.
Clayburn Company, Ltd., Clayburn.
Port Haney Brick Company, Ltd., Port Haney.
Polychrome Cement Brick & Tile Company, Granville Island, Vancouver.
Sidney Island Brick & Tile Company, Sidney Island.
Victoria Brick & Tile Company, Victoria.
Young, Thomas C., 1233 Hornby Street, Vancouver.

TIRE-FILLER, PNEUMATIC.

Davies, G. J., 267 Tenth Avenue East, Vancouver.

TIRES, AUTOMOBILE (PNEUMATIC).

Gregory Tire & Rubber Company, Ltd., Port Coquitlam. "Gregory."

TOOLS, LOGGING.

B.C. Marine Engineers & Shipbuilders, Ltd., Vancouver.

### Toques, Knitted.

Pride of the West Knitting Mills, Ltd., 500 Beatty Street, Vancouver.
Quigley Knitting Mills, Ltd., 56 Dufferin Street East, Vancouver.
Universal Knitting Mills, Ltd., 303 Pender Street West, Vancouver.

### Toys.

Canada Dolls, Ltd., Victoria Drive, Vancouver.
Columbia Pulleys, Ltd., 624 Eighteenth Avenue East, Vancouver.
Doll Hospital, 419 Hastings Street West, Vancouver.
Gosling, Q. A., Murrayville.
Hiker Manufacturing Company, Ltd., Esquimalt Road and William Street, Victoria.
Trubilt Toy Company, Ltd., 2760 Yew Street, Vancouver. "Trubilt."
Watson Canadian Toys, Ltd., 616 Davie Street, Vancouver.
Western Toy & Furniture Manufacturing Company, Ltd., 3537 Main Street, Vancouver.

### Transmission Appliances.

All foundries with engineering plants and all engineering works.

### Track-spikes.

Hanes Engine Works, Ltd., Granville Island, Vancouver.

### Trays, Cement.

Henson & Dyson Company, 403 Gorge Road, Victoria.
Hunter Cement Company, Clinton and Twenty-second Ave., Vancouver.
Ideal Cement Laundry Tray Company, 190 Lorne Street, Vancouver.
Star Cement Laundry Tray Company, 25 Lorne Street W., Vancouver.

### Trunks.

Storey & Campbel, 518 Beatty Street, Vancouver.
Vancouver Bag & Trunk Company, Ltd., Vancouver.

### Tubes.

Globe Airless Tube Company, 739 Hastings Street West, Vancouver.

### Tubs and Pails.

Pacific Box Company, Limited, Vancouver.

### Twine, Hemp.

Canada Western Cordage Company, Ltd., New Westminster.

### Umbrella-factories.

B.C. Umbrella Factory, 149 Hastings Street East, Vancouver.
Grahame Umbrella Company, 858 Robson Street, Vancouver.
Johnson's Umbrella Factory, 838 Granville Street, Vancouver.

### Underwear, Women's.

Dall Real Lace Company, Ltd., 615 Granville Street, Vancouver.
Thomson, James, & Sons, 353 Water Street, Vancouver.

### Valves.

Terminal City Iron Works, Ltd., Vancouver.

### Varnishes.

Ayres Varnish & Paint Company, Ltd., Raymur and Parker Streets, Vancouver.
Brandram-Henderson of B.C., Ltd., 1170 Granville Street, Vancouver.
British America Paint Company, Ltd., Victoria.
Crown Paint Company, 24 Cordova Street East, Vancouver.
Darling, Henry, & Son, 28 Powell Street, Vancouver.
Martin-Senour Company, Ltd., 1505 Powell Street, Vancouver.
National Paint Company, Ltd., Granville Island, Vancouver.
Staneland Company, Ltd., Fort Street, Victoria.
Sherwin-Williams Company of Canada, Ltd., Vancouver.
Williams & Harte, Ltd., Victoria.

### Vegetables, Canned.

Broder Canning Company, Ltd., New Westminster. "Fraser Valley Brand"; "Royal City Brand."
Dominion Canners, B.C., Ltd., Vancouver. "Quaker."
Kamloops Canneries, Ltd., Kamloops.
Keremeos Packing Company, Ltd., Keremeos. "Diamond K."
McKinnon Packing Company, Vancouver. "McKinnon Brand."
Occidental Fruit Company, Ltd., Kelowna. "Okanagan."
Okanagan Canning Company, Kelowna. "Duncan's Best."

### Veneer, Single-ply.

B.C. Manufacturing Company, New Westminster.

### Veneer, 3-ply.

Laminated Materials, Ltd., New Westminster.
Canada Western Lumber Company, Ltd., Fraser Mills.

VINEGAR.

Dyson Vinegar Company, Ltd., Vancouver. "Dyson's Pure Malt"; "Dyson's Pure Spirit"; "Dyson's Pure Cider"; "Sunset Brand."
Empress Manufacturing Company, Ltd., Vancouver. "Empress"; "Climax."
Malkin, W. H., Company, Ltd., Vancouver. "Malkin's Best"; "Tropical."
O.U.G. Fruit Products, Ltd., Vernon. "O.K."
Syms, W. J., Salmon Arm.
Vancouver Pickle Company, Ltd., Vancouver.
Holsum Products, Ltd., 851 Fisgard Street, Victoria.

WASH-BOARDS.

Crown Broom Works, Ltd., Vancouver. "Crown Glass"; "Crown Globe."
Waters, T. H., & Co., Ltd., Nelson. "B.C. Brand."

WATER, AERATED.

Canadian Carbonate, Ltd., Eleventh Ave. and Yew St., Vancouver.
Coca-Cola Company, Richards Street, Vancouver.
Cross & Company, 38 Lansdowne Avenue East, Vancouver.
Crystal Spring Water Supply, 1244 Richardson Street, Victoria.
Fairall's, Ltd., 420 Williams Street, Victoria.
Fernie-Fort Steele Brewing Company, Ltd., Fernie.
Halcyon Bottling Works Company, Halcyon.
Henley, J., & Company, New Westminster.
Harper, James, Rossland.
Kelowna Bottling Works, Kelowna.
Nelson Brewing Company, Ltd., Nelson.
Orange Crush Bottling Company, Ltd., 136 Water Street, Vancouver.
Pioneer Bottle Works, Nanaimo.
Running, W. C., Nanaimo.
Thorpe & Co., Ltd., Victoria, Vancouver, and Nelson.
Vancouver Breweries, Ltd., Eleventh Ave. and Yew St., Vancouver.
Vancouver Botanic Beverage Company, Vancouver.
Victoria Botanic Beverage Company, 2620 Cedar Hill Road, Victoria.
Acme Soda Water Works, 208 Simpson Street, New Westminster.

WATER-PROOF OIL.

Duco Waterproofing Company, Ltd., Victoria.
Elves, W., Broad Street, Victoria.
New Process Waterproof Oil Company, New Westminster.

WATERGLASS.

Pendray, W. J., & Sons, Ltd., Victoria. "Pendray's."

WAX, FLOOR.

B.C. Hardware Floor Company, Ltd., Victoria and Vancouver. "Marless."
Western Industrial Development Company, 1043 Hamilton Street, Vancouver.

WHEAT-FLAKES.

Brackman-Ker Milling Company, Ltd., Victoria. "B. & K."

WHEELBARROWS.

Pacific Lumber Products, Ltd., Port Coquitlam.

WHEELBARROWS, IRON.

Vancouver Boiler Works, Vancouver.

WHISKY.

British Columbia Distillery Company, Ltd., New Westminster.

WHISKS.

Crown Broom Works, Ltd., 304 Front Street East, Vancouver.
Western Broom Works, 631 Fifteenth Avenue East, Vancouver.

WHITE LEAD, GROUND IN OIL.

Pacific White Lead Company, Ltd., Granville Island, Vancouver.

WRITING TABLETS.

Clarke & Stuart Company, Ltd., Vancouver.
Columbia Paper Company, Ltd., Vancouver.
Smith, Davidson & Wright, Ltd., Vancouver and Victoria.

WINCHES.

Marine Iron Works, Ltd., Victoria.
Ramsay's Machine Works, Victoria.
Victoria Brass & Iron Works, Victoria.
Victoria Machinery Depot, Victoria.

### Wines.

California Wine Company, Ltd., Vancouver.
Loumindon Fruit Confection, Ltd., Penticton.

### Wire-works.

Artistic Wire & Iron Works, 116 Dufferin Street East, Vancouver.
B.C. Anchor Fence Company, Ltd., 1031 Pender Street W., Vancouver.
Clifford Wire Works, 910 Gordon Street, Victoria.
Pearson Wire & Iron Works, 1485 Main Street, Vancouver.

### Yachts, Sailing.

Hoffar Motor Boat Company, Vancouver.
Linton, A., & Co., Ltd., North Vancouver.
Turpel's Shipyards, Victoria.

### Zinc.

Consolidated Mining & Smelting Company of Canada, Ltd., Trail.

VICTORIA, B.C.:
Printed by William H. Cullin, Printer to the King's Most Excellent Majesty.
1923.