

MONEY INVESTED IN VICTORY BONDS can be made to earn larger interest by selling the bonds and investing in first mortgage on improved City property. And the mortgages are just as safe, although not so readily convertible into cash. Money invested in mortgages is, generally speaking, fixed for the term of the loans which run from 6 months to 5 years. Hence the larger rate of interest. Drop in and talk it over.

H. G. HELGERSON, LTD.

Hartt Shoes

their good looks, perfect fit, long endurance, is fully verified by the genuine satisfaction you receive when you wear them.

The price is low for shoes of this high quality.

\$12.50 per pair

J. A. **KIRKPATRICK**
The Store of Satisfaction

"K" Brogues

For Men and Women are Still the Favorite Shoe

Brown Leather Play Sandals Special price while they last
4 to 7 1/2 **\$1.35**
8 to 10 1/2 **\$1.65**
11 to 2 **\$1.85**

These are specially made to stand hard wear.

Invictus Shoes for Men are still absolutely guaranteed. We stand behind every pair.

Family Shoe Store
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BATHING SUITS

Special Showing at

"DEMERS"

Phone 27 P. O. Box 327

EDSON COAL COMPANY

Corner 2nd Ave. and 7th St.

Best Coal

at **Lowest Prices**

Order Now! Phone 58

From the Farm to the Table Bulkley Valley

BEEF PORK MUTTON VEAL
FRESH KILLED POULTRY Skeena River Farm Produce
VANDERHOOF CREAMERY BUTTER
NORTHERN INTERIOR CO-OPERATIVE
Phone 81

QUEEN CHARLOTTE LAND DIVISION.

Take notice that W. G. McMorris, of Vancouver, B.C., miner, intends to apply to the Minister of Lands for a licence to prospect for coal, petroleum and natural gas over and under the following described lands, situate on Skidegate Inlet, Graham Island, B.C.: Commencing at a post planted at the northeast corner of Section 25, Township 2; thence west 80 chains; thence south 80 chains; thence east 80 chains; thence north 80 chains to point of commencement.

Located March 21, 1932.
W. G. McMORRIS, Locator.

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SUN SPOTS AND THEIR ORIGIN

Investigation Has Been Proceeding for Three Centuries—Eleven Year Periods.

The recent appearance of new spot-groups on the disc of the sun naturally prompts the average man to ask the question "What are sun-spots?"

During the three centuries which have elapsed since the discovery by Galileo of the solar spots much information has been collected as to their nature and characteristics. The observers of the seventeenth and eighteenth centuries noticed that the average spot is not of uniform darkness, but that a grey rim—the "penumbra"—surrounds the dark centre called the umbra. In the nineteenth century a very striking discovery was made. In the year 1826, Schwabe, an amateur astronomer of Dessau, in Germany, commenced to observe the sun daily and to take a record of the number of the spots visible. After nearly 30 years' observation, he was rewarded by the discovery of what is called the solar cycle—namely, that the spots increase and decrease in the number in a period of eleven years.

Tongues of Fire.

The spots are not alone in obeying the eleven-year period. The prominences, of red flames, of the sun—gigantic tongues of fire which shoot up from the glowing chromosphere, or outer envelope—obey the same law; while the corona, the outermost envelope of all, changes its shape in obedience to the same impulse. Further, the variations of the magnetic needle on earth obey the eleven-year period, and it has been shown that, generally speaking, the appearance of a large spot-group on the sun is followed by a magnetic disturbance on the earth. Professor Hale's discovery, over a decade ago, of magnetic fields in sun-spots gives some hint as to the nature of the connection. Streams of ionised particles apparently flow out of the spots across the gulf of ninety-three millions of miles, and on entering the earth's atmosphere give rise to electrical and magnetic disturbances. As to the explanation of the solar cycle itself, astronomers are quite in the dark. It seems to indicate that the sun is a long-period variable star with a very small range of magnitude, the period of variation being roughly about eleven years.

SYNOPSIS OF LAND ACT AMENDMENTS

Minimum price of first-class land reduced to \$5 an acre; second-class to \$2.50 an acre.

Pre-emption now confined to surveyed lands only.

Records will be granted covering any land suitable for agricultural purposes and which is non-irrigated.

Partnership pre-emption abolished but parties of not more than four may arrange for adjacent pre-emptions with joint residence, but each making necessary improvements on respective claims.

Pre-emptors must occupy claims for five years and make improvements to value of \$10 per acre, including clearing and cultivation of at least a 1/4 acre before receiving Crown Grant.

Where pre-emptor in occupation more than 2 years and has made proportionate improvements, he may, by reason of ill-health, or other cause assigned, be allowed certificate of improvement and transfer his claim.

Records without permanent residence may be issued if provided applicant makes improvements to extent of \$50 per annum and records same each year. Failure to make improvements or record same will operate as forfeiture. Title cannot be obtained in less than 5 years, and improvements of \$100 per acre, including 1/4 acre cleared and cultivated, and residence of at least 2 years are required.

Pre-emptor Crown Grant may record another pre-emption, if he requires land in conjunction with his first, without actual occupation, provided statutory improvements made and residence maintained on Crown Grant land.

Unsurveyed areas, not exceeding 20 acres, may be leased as homesteads, title to be obtained after fulfilling residential and improvement conditions.

For grazing and industrial purposes areas exceeding 500 acres may be leased by pre-emptor on conditions of payment of stumpage.

Natural hay meadows inaccessible by existing roads may be purchased conditional upon construction of a road to them. Relate of one-half of cost of road, not exceeding half of purchase price, is made.

PRE-EMPTORS' FREE GRANTS ACT. The scope of this Act is enlarged to include all persons joining and serving with His Majesty's Forces, and with which the heirs or devisees of a deceased pre-emptor may apply for title under the Act is extended from one year from the death of such person, as formerly, until one year after the conclusion of the great war. This privilege is also made retroactive.

No fees relating to pre-emptions are due or payable by soldiers on pre-emptions recorded after June 26, 1918. Taxes are remitted for five years.

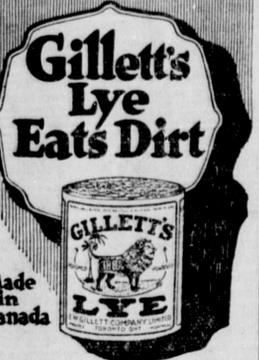
Provision for return of moneys accrued, due and been paid since August 1, 1914, on account of payments, fees or taxes on soldiers' pre-emptions.

Interest on moneys to be repaid to town or city lots held by members of Allied Forces, or dependents acquired direct or indirect, remitted from enlistment to March 31, 1920.

SUB-PURCHASERS OF CROWN LANDS
Provision made for issuance of Crown Grants to sub-purchasers of Crown Lands, acquiring rights from purchasers who failed to complete purchase, involving forfeiture, and fulfilment of conditions of purchase, interest and taxes. Where sub-purchasers do not claim whole or original parcel, purchase price due and taxes may be distributed proportionately over whole area. Applications must be made by May 1, 1933.

Household Necessity

Make Gillett's Lye your household assistant. Use it for making soap, for washing dishes, for cleaning sinks, for washing greasy pots and pans. It cleans and disinfects.



Each day, of magnetic fields in sun-spots gives some hint as to the nature of the connection. Streams of ionised particles apparently flow out of the spots across the gulf of ninety-three millions of miles, and on entering the earth's atmosphere give rise to electrical and magnetic disturbances. As to the explanation of the solar cycle itself, astronomers are quite in the dark. It seems to indicate that the sun is a long-period variable star with a very small range of magnitude, the period of variation being roughly about eleven years.

The Theory.

As to the explanation of the spots themselves, various theories have been advanced, but perhaps the most satisfactory is that put forward about nine years ago by Professor Hale, of Mount Wilson Observatory in California, who is perhaps the greatest living authority on the sun.

Professor Hale outlined what he modestly called a "tentative work hypothesis" as a guide to further research. According to this theory, a column of gas moves upwards from the interior of the sun towards the surface of the photosphere. Owing to differences of velocity of adjoining surfaces, or irregularity of structure, a vortex motion is set up, the circulation in the vortex being vertically upward and then outward. As the result of expansion in the central portion of the vortex, cooling sets in, and a comparatively dark cloud—the sun-spot umbra—is formed. "A rapid flow of negative ions sets in towards the cooler gases at the centre from the hotter gases without. These ions, whirled in the vortex, produce a magnetic field."

The Problem of Nebulae.

Apparently, the sun in the days of its decline is still capable of ejecting minute particles, and it is an interesting question whether much nebulous matter—which still survives in the form of the Zodiacal light—was ejected from the sun in days gone by, when it was a giant star and the seat of much mightier forces than at the present time. Further, it is an important point whether the nebulae from which, by common consent, our earth and its fellow-worlds were evolved was itself ejected from the sun millions of years ago. Recent work on the great irregular nebulae would seem to countenance such an idea. It is a remarkable fact that the great irregular gaseous nebulae—such as that in Orion—are always found in association with blue and white stars. According to Professor Russell's theory of evolution, now generally accepted, these stars are intensely hot and the seat of tremendous forces, and he believes that the nebulae are the products, rather than the progenitors of such stars. It is not impossible that from such nebulous matter the planetary systems of the future will be evolved.

Baffling Question.

But the most baffling question connected with the nebulae is raised by the recent discovery of dark nebulous matter which

is only visible because it cuts off the light of stars behind. Professor Barnard, of the Yerkes Observatory, is convinced that these dark spots really represent vast masses of obscuring matter. The most prominent is probably that in Orion, near the bright star Zeta Orionis. Anyone who examines the striking photographs which have been taken of this region will have no doubt that this spot is no vacant space, but a black cloud which lies between us and the bright nebula. The place of these huge, dark nebulae in the scheme of things forms one of the pressing problems of modern astronomy.

FISH ARRIVALS WERE MARKETED

Of the 303,000 pounds of halibut which arrived in port over the week end, 272,000 pounds was sold at the local Fish Exchange this morning and is being prepared for shipment East by tonight's train. The prices paid were rather low and 7.7c for first class fish was the highest figure reached. Two boats, Tahoma, 20,000 pounds, and Yellowstone, 41,000 pounds, pulled out this morning for Seattle to sell there.

JAMES WINTEMUTE IS FOUND GUILTY

Fined \$50 in One Case and Sentence Reserved in Second
James Wintemute, of the launch Vesta, was found guilty in the police court this morning of having unsealed liquor in possession and also of selling liquor to Indians. In the first case a fine of \$50 was imposed and, in the second, sentence has been reserved.

LATE TELEGRAMS

NEW YORK.—The continued advance of British Exchange, now at 4.51 for demand bills, is the sensational feature of the international financial situation.

CINCINNATI.—New wage reductions ordered by the railway board will result in an immediate strike vote returnable June 30.

LOS ANGELES.—A thousand delegates representing 26 countries are here attending the annual convention of the International Brotherhood of Workers of America.

FIFTEEN BOILS ON NECK AT ONE TIME

Anyone who has suffered from boils can sympathize with poor old Job. There was no Burdock Blood Bitters in those days, so Job had to suffer in silence. Nowadays no one need endure the misery of boils.

Boils are simply evidences of the bad blood within coming to the surface and just when you get rid of one, another seems ready to take its place and prolong your misery.

All the poulticing and lancing you may do will not stop more coming. What you have to do is take

BURDOCK BLOOD BITTERS and the blood will be cleaned of all its impurities, and then every boil will disappear.

Mr. Roy McSwain, High Bank, P. E. I., writes:—"I was troubled with boils for some time, and had as many as fifteen on my neck at once. After taking one bottle of Burdock Blood Bitters they commenced to get better, and after I had taken two bottles I was relieved of them and felt much better. I think B. B. B. is a grand blood medicine, and can recommend it highly."

For the past 45 years B. B. B. has been manufactured only by The T. Milburn Co., Limited, Toronto, Ont.

The Popular Restaurant The Boston Grill

Third Ave. Open Day and Night Private Boxes Service and Quality Unexcelled N. Mussallem, T. Caroff, Phone 457.

SOMETHING NEW

Have you tried our Home made HEADCHEESE Just the thing for Pic-nics and Outings. Phone Blue 719 for free sample.

The People's Meat Market

417 5th Ave. E.

WESTHOLME THEATRE

Tonight, Tuesday
Richard Barthelmess

IN
"Tol'able David"
CHRISTIE COMEDY - - - - - "MOVIE MAIL"
Admission, 35c and 15c

For Sale!

mahogany Back Bar
with triple mirrors, also counter to match, 18 ft. in length.
A SNAP!
\$200.00
CASH
Rupert Table Supply Co.
Phones 211-212

LENINE SUFFERING

Has Had Attack of Gastritis with High Fever But Slight Improvement.
RIGA, June 6.—Premier Lenine is suffering from acute gastritis with high temperature. A bulletin says the condition shows a slight improvement.

TRANSATLANTIC FLIGHT.

PERNAMBUCO, June 6.—The Portuguese aviators Sacadura and Gouthier arrived here at trans-Atlantic flight from Lisbon.

The newspaper with the circulation is the real advertising medium.

"SUPREME" BRAND

FRESH ROASTED **COFFEE** FRESH ROASTED

"Supreme" Brand is Fresh Roasted
Tastes as Good as it Smells

Coffee loses its virtue and charm very rapidly after it is roasted. We are roasting and packing for current requirements only, realizing that, essentially, Coffee must be fresh roasted to be perfectly satisfactory.

Sold only in 1 pound Airtight Cartons.
STEWART & MOBLEY, LTD.
Coffee Importers and Roasters PRINCE RUPERT.

Canadian National Railways

Prince Rupert
DRYDOCK

AND
SHIPYARD

Operating G. T. P. 20,000 Ton Floating Dry Dock
Engineers, Machinists, Boilermakers, Blacksmiths, Pattern makers, Founders, Woodworkers, Etc.

Electric and Acetylene Welding.
Our plant is equipped to handle all kinds of
Marine and Commercial Work
PHONES 43 AND 385

COAL

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Office, Hotel Central Phone 15

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