

THE OUTCROP.

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W. P. Evans, Publisher and Proprietor.

WILMER, B.C., THURSDAY, JAN. 21, 1904.

Scientific Miscellany.

The scientific culture of potatoes is nowhere practiced as in Germany. In that country, states Consul-General Mason, dozens of skillful and experienced growers give their whole time and energy to the propagation of improved varieties, and the conditions of soil, exposure or purpose for which each is best suited are well understood. Certain varieties excel for food, others for starch and dextrine, others for alcohol, and yet others for stock-feeding. Many of the best sorts are new, but not more than 20 varieties are included in the crop of practical growers, although about 100 are listed by dealers, and as many as 500 were catalogued as long ago as 1863.

In India the town of Karachi and its suburb of Clifton, two or three miles distant, are curiously threatened with separation by the growth of sand-hills. R. D. Oldham traces the growth of these dunes from small oval patches of sand on the stony surface, and shows that even a slight deposit may gradually deflect the air currents and produce a calm space and an eddy of slowly increasing size, with steady enlargement of the sand accumulation. Planting native grasses is among the remedies to be tried.

While strong plants destroy weaker ones by crowding, or by depriving them of air, light or food, it is rather surprising to hear that one plant may poison another. In a recent case reported in England, the plant *Humea elegans*, which exhales a powerful odor of Russia leather, was placed in a greenhouse near a peach vine, when the nearest leaves of the latter began to wither and fall off. The influence was felt even at considerable distance, the result being that at last the young leaves were all stripped from the peach.

The radium industry is rapidly developing in France and Germany, and, even at nearly \$2,000 per gramme, orders are at hand for several hundred grammes. In medicine its effects are most extraordinary. A small glass tube, containing a little more than a thousandth of a gramme, takes the place of a powerful electric apparatus, and in cancer treatment gives results surpassing those of Roentgen rays.

Human power and machine power are found by Prof. Schmoller of Berlin University, to have been equal in Germany in 1850, when the population was 18,000,000, one-half being laborers. In 1890, with a population of 59,000,000 and the same proportion of laborers, the machine power had reached six times the manual, or, according to some authorities, ten times.

The crushing strength of rocks indicates that there must be a limit to the possible height of mountains. E. H. L. Schwartz calculates that the lower layer would be crushed in a column of wet sandstone from two-thirds of a mile to five miles high, one of granite from four to seven and a half miles, and one of felsite from seven to nine miles.

The hour of death has been recorded by a leading European physician for 2880 persons of all ages. Deaths are most numerous between 5 and 6 o'clock in the morning and fewest between 9 and 11 in the morning. The death rate is not large between 10 a.m. and 3 p.m., the fatal hours being from 3 to 6 p.m.

The greatest authentic flight of a carrier-pigeon is given by Maurice Dusollir as 1300 miles, the greatest long distance speed, as 53 miles an hour for 617 miles.

The new saccharine plant discovered in South America contains a considerable quantity of saccharine matter, is not fermentable, and is unusually sweet. The plant is herbaceous, growing to a height of 8 to 12 inches, and its scientific name is *Syntherisma robustum*. It is expected to prove of much industrial value. It was discovered by

the director of the Agricultural Institute of Anuncion, and his experiments indicate that the sugar yielded is from 20 to 30 times as sweet as ordinary cane or beet sugar.

An alarm clock for the deaf is an interesting bit of work by Tommy Stringer, a blind, deaf and dumb scientific student of New York. The alarm attachment utilize several means of awakening the sleeper. It shakes a pillow in his face, it lights a small incandescent lamp having a mirror focussing the rays into his eyes, and it explodes a fulminating cap with a shock perceptible by the deaf at close range. The apparatus may also serve as a burglar alarm or to give indication of fire by electric thermostats.

Property worth owning is worth insuring in the Canadian Fire Insurance Co. Apply to W. P. Evans, agent.

Divine service held every Sunday evening in St. Peter's Church, Wilmer, at 7:30 p.m. All are welcome.

Rev. Fraser will conduct services every Sunday in Wilmer at 11 a.m. at 2 p.m. and 7 p.m. and in Vancouver at 7:30 p.m. excepting the first Sunday in each month, when he holds services at Calista.

THE HOTEL WILMER.

Is a new building and is furnished throughout with all modern improvements.

The bar is supplied with the choicest brands of Wines, Liquors and Cigars.

THE TOURIST or Tenderfoot who wanders into Wilmer should always camp at the Hotel Wilmer.

Within its doors can be found beds that soothe the weary to dreamless sleep, drinks that calm the troubled soul, and food that no epicure could pass without sampling. If you want anything more see

GEORGE CHAMBERLAIN, Proprietor.

Canadian Pacific Railway

Trains pass Golden
Eastbound 15:10
Westbound 10:20

Steamers leave Golden for the Wilmers at 4 a.m. Tuesdays and Fridays, returning Wednesdays and Saturdays.

Stage for Wilmers District leaves Golden at 8 o'clock Sundays and arrives in Golden at 12:30 on Fridays. Leaving Wilmers every Saturday at 9 a.m. and arriving Monday at 17 p.m.

Passengers booked in all Eastern Canadian and United States points.

Berths reserved on Atlantic steamers for passengers to the Old Country.

Direct steamer service from Vancouver to China, Japan, Australia, Alaska

For information and illustrated Pamphlet furnished on Application.
G. E. WELLS, E. J. COYLE,
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If you want Groceries of the best quality that the market affords we can provide you with most everything you may possibly require at prices that will please the most economising housekeepers in this valley. We have selected our groceries carefully and they are all nice and fresh. All orders receive prompt and careful attention.

GET ON THE INSIDE OF AN UP-TO-DATE WINTER SUIT.

It does not cost any more to wear good clothes than poor ones. The only difference is where you do your purchasing. We are Right Here with the Goods all the Time. If there is anything you want in the Healy-Made Clothing Line, Hats, Caps, Neckties, or anything else you wear you can get it from us.

In fact we have now a Large Stock of most every Line you may mention.

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THE OUTCROP

Fellow Pilgrims All!

Should you in your wanderings about this mundane sphere have an aching soul in your anatomy to read a real live newspaper giving all the news of North East Kootenay, send for our offering. This up-to-date Print Palace is located in the heart of the most beautiful valley in North America, surrounded by wealthy ranchers and close to the richest white metal mine in the world. The Outcrop crops out in hundreds of places in the Western Hemisphere and the ledge has been uncovered in the Eastern Hemisphere in such places as England, Ireland, Scotland, France, India, South Africa, Germany and Australia. It comes to the front every Thursday, and has never been raided by the Sheriff. It works for the Trail Blazer as well as the distant and obnoxious capitalist. Its editor is poor, but aims to be a millionaire by being on the right side of all things; and believes the righteous should all go to France, and that hell should be dealt out according to the wickedness accomplished.

A High Grade Clute of Job Printing is uncovered and is worked for the benefit of Humanity and the Editor.

Oldest and Most Reliable Newspaper in North East Kootenay.
Only Paper printed in the Rich Wilmers Mining Division.
News while it is News given without fear or favor for \$2.00

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ROBERT ELLIOT, M.D.,

PHYSICIAN AND SURGEON.
 WILMER, British Columbia.

Certificate of Improvements.

The Isaac Mineral Claim.

Notice in the Wilderness Mining Division on the Isaac mineral claim, which is located on the North Fork of the Kootenay River.

This notice that I, Harold R. Hunter, Free Miner's Certificate No. 10308, intend to develop the Isaac mineral claim under the provisions of the Mineral Rights Act, and of which I have been the sole proprietor since the date of its location, together with all costs of working the same, in the said mineral claim will be completed before the first day of October, 1904.

NOTICE.

TO DELINQUENT CLAIMER OF THE "RECONQUIST" MINERAL CLAIM.

TO HARRY MATHER, or any person or persons to whom he may have assigned his interest in the "RECONQUIST" mineral claim, situated on the North Fork of the Kootenay River, and of which I have been the sole proprietor since the date of its location, together with all costs of working the same, in the said mineral claim will be completed before the first day of October, 1904.

Union Hotel, Wilmer, B. C.

This pioneer hotel has recently been painted and renovated into an up-to-date hostelry. Miners, tourists and all classes of this world's people can always get a square meal and an easy bed within the portals of my doors. The bar contains many kinds of nerve bracers, ranging from gentle old rye to the triple that foams in the glass. If you are dry, hungry, weary or sad when you reach Wilmer, lift the latch and drop in.

Wm. Chamberlain, Proprietor,

This Outcrop is on sale at A. R. Yates, Drug Store, Wilmer.

OUR ORE SHIPMENTS

Mine	Pounds	Value
Paradise.....	1,874,000	
" In transit	1,000,000	
Delphine.....	175,441	\$7,240.00
" In transit	155,500	
Platman Mines.....	162,900	
" In transit	168,969	
Swansea.....	4,000	
White Cat.....	2,500	
Silver Bell.....	29,500	1,456.00
M. T. Fraction.....	69,036	4,264.03
Bunyan.....	1,000	49.00
	4,129,447	

DIG IN!

When you want to get ahead, Dig in!
 When you're up to work you dread, Dig in!
 When Dame Care comes down your way, Dig in!
 Days are sad instead of gay, Dig in!
 When there's nothing seems to pay, Dig in!
 When the other fellows lead, Dig in!
 When you're short on things you need, Dig in!
 When the rent is overdue And the landlord says he'll sue— Dig in!
 When the world is looking blue, Dig in!
 Never mind the other man, Dig in!
 You can win, you know you can, Dig in!
 Better luck will come your way, Dig in!
 Just make up your mind to stay; Dig in!
 Every dog will have his day; Dig in!

IN 1904

If men won't woo and marriage is still somewhat out of date, Dig in!
 The time the unskilled man may do, Dig in!
 Who craves the needed state; Dig in!

"Dear boy," she'll say, "are you aware This year's foxglove is Leap, Dig in!
 When 'tis my privilege to knock Conventions in a heap? Dig in!

"So know the friendship I have had Was just to pass the time, Dig in!
 And now I find my thinking roves To tin far more sublime, Dig in!

"Indeed, your name qualifies Suggest a double hour, Dig in!
 From all whose sweet Capartnerships My heart would never rove, Dig in!

"Too sudden! Why you must have seen I meant to say this thing; Dig in!
 And . . . after you have kissed me, dig in!
 We'll go and hunt the ring." Dig in!

Since men won't woo and marriage is A trill-out of date, Dig in!
 The happy Leap Year comes again To boom the happy state, Dig in!

The Power of the Trust

Satan stepped into the furnace room, gazed into the bottomless pit for a few minutes, and walked over to the thermometer. "Here!" he thundered when he noted the figures, "shovel in more coal, or some of the gentlemen down there will be having influenza!" "We can't, your majesty," responded Azael, the head fireman; "there is none." "No coal?" stormed the majesty. "No more; not since the coal trust gentlemen arrived. They've organized a combine and we can't get a lump." "Oh!" laughed his majesty; "they're at their old tricks, are they? Well, just dump in a few barrels of oil. That'll make a cheerful fire." "The oil trust magnates have also arrived, your majesty," explained the faithful Azael. The boss of old Satan grew black. "Chuck in a lot of beans and shoulder and send an imp up to test on the safety valve." He commanded very severely; for he had had experience on a Mississippi river steambath and knew his business. Azael trembled, but he could not tell a lie. "The pork packers' combine has been with us for several days, your majesty," he said briefly. Satan gave Colburn a kick in the ribs which almost stopped the animal's vitality, and started for the door. "Well," he explained, "these trusts beat us, and no mistake!" And Azael, bowed in the weight of combinations, leaned on his shovel and gazed upon the ground.

There is something deeper than mere humor in this "moralistic" paragraph by Mark Twain. He had received an invitation to attend a celebration, but felt compelled to decline because the capacity for enjoyment of functions had had departed and the frailties of approaching age had taken its place. "The whole science of things is turned wrong end to. Life should begin with age and its privileges and accumulations, and end with youth and its capacity to splendidly enjoy such advantages. As things are now, when in youth a dollar would bring you a hundred pleasures, you can't get it; when you are old you get it and there's nothing worth buying with it then. It's an epitome of life. The first half of it consists of the capacity to enjoy without the chance, the last half consists of the chance without the capacity."

Agent—Doctor, can I get your all for the Weekly Bosmer.
 Doctor: Certainly not, sir! Don't you know that it is impossible for physicians to advertise? But you may interview me on some scientific subject, two columns, payment in advance.—Ex.

Rev. Mr. E. St. G. Smyth will conduct divine service in Wilmer in the evening of the first Sunday of each month.



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THE OUTCROP

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Canadian Pacific Railway Company, Land Department for British Columbia.

The Canadian Pacific Railway Company owns large areas of choice Agricultural Lands in the Kootenay and Boundary Districts of British Columbia, which are offered for sale at from \$1.00 to \$5.00 per acre, on easy terms of payment.

Timber leases can also be obtained on reasonable conditions.

For maps and further particulars apply to the following local land agents:—

V. HYDE BAKER, Cranbrook. H. & M. BIRD, Nelson.
 R. B. BRUCE, Wilmer. J. A. McCALLUM, Grand Forks.
 C. H. WILSON, Warden. T. MAILLARD, Creston.
 W. M. PROST, Gateway, Man.
 or to J. S. DENNIS, E.C. Land Commissioner, C.P.R. Co., Calgary, Alberta.

NOTICE.
 Parties cutting timber or wood on the lands of this Company without authority will be prosecuted.

HOTEL DELPHINE

WILMER, B. C.

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