

Canadian Trappers Expect Record Catches This Year

Edmonton, Alberta.—More fur trappers than ever recorded are in Northern Alberta's woods and a great catch is expected. The high prices of furs have attracted an army of hunters. Muskrats and martens are reported to be exceptionally abundant.

Prospectors are numerous in the north, many of them being returned soldiers, and wonderful specimens of gold and other ores are being brought down.

Wheelbarrow Is Favorite Freight Carrier in China

Probably more freight and more passengers are transported in China by the wheelbarrow than by any other land method. The wheelbarrow there used differs from that used by us, in the fact that the wheel is set in the center and thus supports practically the entire load, while the handles are supported in part by a strap or rope over the shoulders of the man who operates it.

Chaplain-in-Chief of American Legion Twice Decorated For Bravery



FATHER FRANCIS A. KELLY

The American Legion has chosen as chaplain-in-chief a man who proved himself during the war. Father Francis A. Kelly, of Albany, N. Y., who was attached to the One Hundred and Fourth Machine Gun Battalion, wears the Distinguished Service Cross and a British decoration for bravery on the field of battle. He was cited especially for his work near Ronsosy, where he was constantly at the front under heavy fire, looking after the wounded.

OLD STUFF
Tony Pugliese was drafted and sent overseas. One day, because of his awkwardness, he was being kidded by his lieutenant.
"What did you do before you joined up?" asked the officer.
"I play da music, and da monk, he collecta da mon."
"Why did you join the Army then?"
"I no join. I was drafted."
"And what became of your monkey?"
"Oh, dey make a lieutenant out of him."—American Legion Weekly.

A FINE SIGHT
Corporal Hardnut was having difficulties with his squad during instructions on the rifle range. "Now, I've explained the different sights a dozen times and you mutts don't seem able to understand. For the last time, Smith, what is a fine sight?"
"A ship load of corporals sinking," answered Smith.—American Legion Weekly.

Scientific Discussions by Garrett P. Serviss

Here is a question which leads to some unfamiliar, though deeply interesting, facts about our little, globular, rotating home in space: "We were just having an argument on the question whether tall buildings, such as the Woolworth and Flatiron, are built absolutely perpendicular to the ground or at a slanting position? Kindly answer."
—Two Constant Readers.

The plumb-line is the builder's guide, and he never departs from its indications except in case of particular necessity, and then only under cover of special precautions. The higher his building rises the more exacting becomes the law of gravitation in demanding verticality as the essential condition of safety.

A structure like the Washington Monument, or the towers of a suspension bridge, may be braced against upsetting by having their outer surfaces slope inward on all sides. But a building that is mostly hollow within, and broad in proportion to its height, and yet more in proportion to the thickness of its walls, has its supporting members vertical, even when the height exceeds the diameter.

In some cases of steel-frame construction, like that of the Woolworth building, the diameter of the upper portion is diminished by stepping back the walls, but their verticality is preserved above as well as below. The extreme upper part generally takes the form of a pyramid or frustum of a pyramid, and in that case the outward thrust of its walls is counterbalanced by ties within.

There are a few eccentric buildings of the tower form, as at Pisa, Bologna and Saragossa, which are famous for being inclined very decidedly from the vertical, but in these cases the walls all lean in the same direction, the axis of the entire structure being inclined. The Pisa tower, built throughout of marble, is 173 feet high and 53 in diameter, and leans more than 14 feet from the vertical. In 1829 it leaned 15 1/2 feet and in 1910 16 1/2 feet; yet some have thought that the tower was purposely built with a leaning axis.

What the builder finds the aid of a plumb-line, a tree discovers for itself, without any external aid. It obeys a law of growth which keeps its axis, as nearly as possible, vertical, whether it stands on a level, or on the side of a steep hill. As the tree makes a hexagonal cell without thinking about it, so the tree extends itself straight away from the center of gravity. But if we try to make a hexagonal building, or to erect a vertical wall, we are forced, at every step, to correct angle or direction.

What the tree and the bee do are examples of perfected genius which knows facts at first hand. Human genius sometimes approaches similar perfection. If the mind in all cases had that kind of power, nobody would have to study, or learn anything, for all truths, however complex, would be seen and known at once, simply because they were true. Example: Zerah Colburn saying, before the number could be written down, that the cube root of 268,326,125 was 645, not because he had calculated it but because mentally he saw that it was so.

Roughly speaking, the vertical axis of all buildings, all around the earth, are directed to the same central point. But this is not quite true, because the earth is not an exact sphere and also because it is not of uniform density throughout. Great mountains draw the plumb-line sensibly aside in the valleys around them. Masses of matter of extraordinary density inside the earth, otherwise undiscoverable, likewise deviate the plumb-line. Buildings erected in such neighborhoods have to stand as the plumb-line directs, although by so doing they are compelled to lean out of the true vertical referred to the earth's center of gravity.

There are plumb-lines in the Himalayan valleys where the plumb-line is deviated as much as a minute of arc. In the Alps and the Caucasus it is sometimes deviated half a minute. Even in the level regions around Moscow, in Northern Germany the deviation in certain localities varies from 10 to 16 seconds of arc. These latter deviations must be due to some underground attraction acting out of the line of the earth's center.

Their effects, though very interesting, are scientifically important, are too slight to be noticed by ordinary observation. The top of a 200 foot wall deviated one minute from the vertical would only project about seven-tenths of an inch beyond its base. But, of course, to those living about it, it would not appear to lean at all, since all its surroundings would be inclined in the same manner. But if the interior of the earth were extremely irregular in density the plumb-line might deviate to the extent of several degrees, and in that case the famous "visitor from Mars" (who must be getting a little weary by this time) might suspect the terrestrial architects of needing a prohibition amendment.

HOW DO THEY DO IT?
If the A. E. F. homecoming wears a decoration, everyone asks how he won it, says Stray Shots. If he doesn't everyone asks why he didn't win one.
If he says he likes French girls, he is untrue to American girls. If he says he doesn't, everyone says he is concealing something.
If he kicks about the government, he is ungrateful. If he praises it, he is looking for a soft job.
If he says the Germans fought bravely, he is a traitor. If he says they were cowards, he gets no credit for beating them.
If he is promoted, it is a sign that he's a "handshaker." If he is not, he is not ambitious.
If he grumbles about his treatment in the army, nobody listens to him. If he praises army life, nobody believes him.—American Legion Weekly.

DOCTORS' ORDERS
She was the son of a woman who always tells everybody her business. With a cheery smile she settled herself at the counter and began: "My husband has been very ill—very ill—so I have to do his shopping; and I want a short."
"Certainly, madam," said the salesman courteously; "stiff front and cuffs."
"Oh, no!" she exclaimed, in horrified tones. "The doctor says he must avoid anything with starch in it."—Pittsburgh Chronicle-Telegraph.

NICKNAME FOR PRINCESS
Princess Mary of England is sometimes called Bessie by her brothers. As a child Queen Elizabeth was her favorite character in English history, and the frequency with which the princess could refer to the admirable characteristics of her heroine led to her being styled Bessie by her brothers.

WONDER-R-FUL
Golf: "Er—dear me—the Ma for is certainly very strong in his language."
Sandy (lately demobilized): "Hoot mon, that's nothin'. I was wif his ae night on the Arras road when the mule got loose an' put his feet through the case of whisky. He was wonder-r-fu!"—Punch.

Is National Commander of the American Legion



AT THEIR CONVENTION IN MINNEAPOLIS THE AMERICAN LEGION ELECTED AS NATIONAL COMMANDER LIEUTENANT COLONEL FRANKLIN D'OLIVER, A YARN MERCHANT, OF PHILADELPHIA. HE SERVED ON THE GENERAL STAFF OF THE A. E. F.

Old Indian Tower Found in Mesa Verde Park

Dr. J. Walter Fewkes, chief of the Bureau of American Ethnology, has returned from two months' field work on the Mesa Verde National Park, Colorado. This park is the only one reserved by the government for the protection of aboriginal buildings.

The field work was devoted to a cliff dwelling called Square Tower House, because of a high tower situated midway in its length. This tower is forty feet high and is the highest building constructed of masonry by Indians north of Mexico before the coming of the whites. It adds to this unique feature the best-known example of prehistoric masonry shown in the construction of the roofs of two circular rooms. The original rafters are still in place, showing the marks of stone implements used by the builders. The whole ruin, which measures 136 feet in length, is most picturesquely situated and has already become one of the greatest attractions of the park.

An unexpected result of the field work of the Bureau of Ethnology at the Mesa Verde Park this summer was the discovery of many inconspicuous buildings among the cedars on top of the plateau. The evidences of these buildings before excavating were very obscure, but they are so numerous in certain areas that there is hardly a square quarter mile in which one of them does not occur. One of these small buildings when excavated was found to belong to a very ancient type, probably the oldest on the mesa. From this old building to the cliff houses lies the evolution of the highest form of prehistoric architecture in America.

Dr. B. S. Ishney, Dentist, has resumed practice at 236 North Second street. Bell 1814.—Adv.

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Rooting Out the Reds

The shots from the I. W. W. Headquarters in Centralia, Washington, which killed four veterans of the World War and wounded others in an Armistice Day parade, give dramatic emphasis to the fact that a year after Germany's open war on civilization was defeated, we are still being attacked by sinister forces of revolution and anarchy which Germany, many believe, turned loose upon the world by way of Russia. That the American public is rapidly losing patience with the organized and persistent efforts of foreign theorists to destroy American institutions is evidenced in many directions. Not only is the Department of Justice rounding up suspects in every part of the country, but there are pending in Congress fifty-two bills which are designed to give the Government all the authority needed to deal with the Bolshevik, anarchist and other anti-American organizations. A sample of the teachings brought to light by the Government's raids is the manifesto of the Federation of Unions of Russian Workers of the United States and Canada. It advocates, among other things: Capture of all products and means of production; liberation of all political prisoners; the blowing up of all barracks; the murder of law-enforcing officials; the burning of public records; destruction of fences and all property lines; the destruction of all instruments of indebtedness.

Thoughtful men and women who have the future welfare of our country at heart will read with the deepest interest the article in this week's LITERARY DIGEST, dated November 22nd. It shows what steps the Government has taken to suppress violent outbreaks, suggestions for the punishment of those arrested, and a clear explanation revealed by captured documents of just what the un-American forces of violence are attempting to accomplish.

Other intensely interesting news articles in this week's "Digest" are:—

What the Steel Strikers Think of the Police
An Advocate of the Steel Workers' Cause Writes His On-the-Spot Impressions and Comments, Thus Affording the Public an Opportunity to See the Workers' Side of the Strike

Wet Hopes in the Elections
Newspapers Hit by a Paper Famine
Air Service Crippled by Lack of Money
America Obstructing the Return of Peace (Translations from French, Irish and Japanese Papers)

Ontario's Triumphant Farmers
Public Opinion Defeating the Strikes
China's New Industrial Era
France and Belgium to Help Each Other Rise
How Uncle Sam Makes Elevators Efficient
Are We Having Too Many Teeth Pulled?
A New Railroad Across The Andes
The Phonograph as a Wireless Detective
Ibanez to Mobilize Us

Ella Wheeler Wilcox, The Singer of "Heart Throbs"
Unifying French Protestantism
Ministers' Pay Compared to Steel Workers'
Selling English Churches to Pay the War Debt
The Portuguese in America
Coal Production in United States and Great Britain Compared
How the Wheels Go Round in the Miners' Union
The Germans Are Already "Coming Back"
Why Many Former Doughboys Re-enlist
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