

AN ODD EXPERIMENT.

Explains How Cyclones Drive Straws Through Tree Trunks.

If a needle is shoved into a cork up to the tip and shows on the opposite side and the needle is then broken so that the upper end is flush with the hidden under the top surface on the cork an interesting thing may be shown, known as the increase of pressure. If this cork be now placed needle point down on a copper cent or other small coin a light blow on top of the cork with a hammer will drive the needle through the copper. The explanation is as follows:

Everything has its limits of resistance, and we may define this in terms to the square inch that will overcome it. Take a ten pound weight and place it on a surface of two square inches; the pressure is evidently five pounds to the square inch. Now take away one of the square inches, and there is just as evidently a pressure of ten pounds to the square inch. Decrease this surface to the dimensions of a needle point and put a five pound blow on the needle head. The pressure to the square inch at the point is tremendous. So, of course, it can be forced through almost anything, provided the needle is kept from breaking. For this purpose the cork is supplied, which keeps the needle from starting to bend, having for this purpose what might be called an infinitely inclined plane or straight line.

This phenomenon explains several things of frequent occurrence. Cyclones sometimes drive straws through trees three and four feet thick. The compressed air round the straw keeps it from bending, and the enormous force driving it forces it through.

Of course in the case of the needle and, in fact, any pointed instrument gradually getting larger from the point the advantage of the inclined plane is made use of in continuing the motion. As it takes much less force to roll a barrel up an inclined plank into a door than to lift it directly from the ground to the door, so we can separate two things or two parts of the same thing easier with a pointed instrument (which is the same thing as a round wedge) than with an instrument of the same size all the way.—St. Louis Republic.

INSECT RESISTANCE.

No Such Thing as Any Animal Having More Than One Life.

All animals have the power to recover from injury occasioned by shock—from being stunned. Insects are in no sense an exception to this, and most of them possess what has been called tenacity of life to a remarkable degree. A butterfly will sail away with a pin through its body, and will go floundering around after being cut in two, and all insects will quickly recover from a blow, even if such may dent or break their external coverings. In such cases the inside parts are mostly out of use for a short time, somewhat similar to the case of your arm when you have struck the "funny bone" or to your foot when it is "asleep." But after a few moments' rest the wasp can again resume its actions.

A wasp is well armored. Its exterior covering is hard and almost unyielding. When it is struck a severe blow the soft, delicate inner parts yield to the impact; the nerves and muscular tissues cannot operate in unison, and the insect may be said to have been rendered unconscious as well as incapable, for the "mind" actions depend upon its entire nervous system.

But there is no such thing as an animal's having more than one life. When crushed, dismembered, poisoned or smothered beyond recovery, when its vital organs are injured so that they cannot again resume their regular uses, an insect will die—not in appearance, but really so. And this may result from the wearing out of its active vital organism, which may be called old age, after sometimes only a few days or weeks of life. Its one life has then been terminated beyond any doubt.—St. Nicholas.

Very Considerate.

A marriage advertisement is published in a Zurich paper by a "rich Swiss philosopher" who wants a wife who must fulfill the following conditions: She must be beautiful in body, face and mind and possess beautiful teeth and hair of her own and not bought articles. Besides German, she must have a knowledge of English and French, be a musician and have an irreproachable reputation. "Other faults," the philosopher of forty years states, "will be overlooked."

Not Guilty.

It was 4 a. m., and Bilkins crept softly into the house and removed his shoes, but as he tiptoed up the stairs one of the treads gave a loud creak. "Is that you, John?" demanded Mrs. Bilkins from above.

"No, my love," replied Bilkins; "it's the stairs."—Illustrated Bits.

Investigation.

"Half the world doesn't know how the other half lives." "Possibly," answered Miss Cayenne. "But that isn't the fault of the ladies who get together with their knitting in our hotel."—Washington Star.

Unfair.

Farmer (at the grindstone)—Well, why don't yer turn? City Nephew—Nix! Ye don't fool me ag'in. Whenever I turn ye go and bear down with the ax.—Life.

Cuts Them.

Wiggs—How mighty exclusive Up-pish is getting of late. Biggs—Exclusive! Why, he refuses even to meet his bills.—Exchange.

The Snow-Bound Wits.

Samuel Foote, the English humorist, paid his first visit to Scotland in 1759. He afterward paid several other visits to Scotland. One of the native humorists he encountered in a somewhat extraordinary manner. This was Mr. McCulloch of Ardwell, in Kirkcudbright. In traveling from Artwell to Edinburgh, Mr. McCulloch spent the night at the inn at Moffat. Next day he attempted to ascend the hill at Erickstone, the most difficult and dangerous piece of road in that part of the country, but was compelled to turn back because the road was blocked with snow. When he regained the inn he found a smart carriage, with a gentleman inside, standing at the door, while the horses were being changed. This he ascertained to be the equipage of Mr. Foote, the celebrated comedian. The laird of Ardwell immediately went up to the panel, and wrote upon it in chalk:

"Let not a single foot profane
The sacred snows of Erickstone."

Foote, surprised to see a man writing on his carriage, came out to read the inscription, which amused him so much that he went and introduced himself to the writer. Further explanations then took place, which readily convinced him of the impossibility of proceeding farther that day, and the consequence was that the two gentlemen resolved to make themselves as happy as possible where they were. The snow lay long; the terrors of Erickstone relented not for a fortnight; but the viands and the liquors of the inn were good, and the conversation of the two was like knife sharpening knife. In short, they spent the fortnight together in the utmost good fellowship, and were friends for the rest of their lives.—T. P.'s Weekly.

Portland Live Stock Market.

Portland, Or., April 1, 1910.—The live stock market at Portland for the month of March has been a pleasing one, both in prices and receipts. As compared with March last year, there was an increase of 3607 cattle, 1103 sheep and 382 hogs. In the face of the great shortage prevailing all over the country, this is a splendid showing for the Portland market.

All previous records for prices were broken, not alone in individual instances of small sales, but in the higher general average prevailing for all classes of live stock. Cattle sold high, sheep and lamb brought big prices, and the hog market that went up in February has shown no sign of a falling stick.

More buyers are looking to this market for their supplies and competition in every line is keen.

A further glance at comparative receipts may be of interest:

	Cattle	Hogs	Sheep
March, 1910	7945	4650	4472
March, 1909	4338	4268	3369
Increase	3607	382	1103

The showing in hogs is remarkable when it is considered that there were 3127 less brought to Portland by packers from Missouri River points in March, 1910, than in March, 1909. Population is increasing so rapidly in the Pacific Northwest that the farmers need have no fear of an over-supply of live stock that is properly prepared for the market.

Demonstration Trains.

One of the most useful things the railroads do, aside from transporting passengers and freight, is to run their demonstration trains for the information and instruction of the farmers of Oregon. There is no charity in the matter. The prosperity of the farmers is necessary in order for the railroad to sell its land to other farmers, and the shipments made are what the railroad lives on. The demonstration trains are to some extent subject to criticism, and to some extent ignore certain economic problems in the life of the farmer. The wonder is, however, that the railroad managers can see this far ahead.

Reclamation Service.

Seattle, April 10.—The bill now in Congress providing for the issue of thirty million dollars in certificates to raise funds for completing the projects of the Reclamation Service which are now held up for want of money, is being watched with close attention by the people of Oregon, Washington and Idaho, because much of the money, if Congress consents to raise it, will be spent in those three states. The bill has already passed the Senate and is in the hands of the lower house, which will probably act upon it within the month.

During the past two or three years the Reclamation Service has planned and begun some of the largest irrigation projects yet undertaken in the west, and in almost every case has been prevented from completing them by lack of funds. For example, the irrigated area of Klickitat and Yakima counties in Eastern Washington will be doubled if the projects already under way are completed. Similar conditions exist in all the Northwestern states. The delegations in Congress from these states are all devoting much energy toward getting the \$30,000,000 bill through Congress. The wealth of the three states will be increased by much more than the amount expended if the bill passes, while other parts of the West will receive similar help.

Chicago's Dream of 1925.

Chicago will have 4,000,000 and more persons within the city limits March, 1925. Walter D. Moody, business manager of the Chicago Association of Commerce, told the members of the membership committee that was a conservative estimate indeed.

"As an actual fact, Chicago has considerably more than 2,000,000 population now," he said. "Our increase in ten years has been 52 per cent. That means in another 15 years, at a progressive rate of increase like this, Chicago will be racing for a place as metropolis of the Western hemisphere, which it will attain in 25 years. That's why we need more members."—Chicago News.

BEST TREATMENT FOR COLDS

"Most ordinary colds will yield to the simplest treatment," says the Chicago Tribune, "moderate laxatives, hot foot baths, a free perspiration and an avoidance of exposure to cold and wet after treatment." While this treatment is simple, it requires considerable trouble, and the one adopting it must remain in doors for a day or two, or a fresh cold is almost sure to be contracted, and in many instances pneumonia follows. Is it not better to pin your faith to an old reliable preparation like Chamberlain's Cough Remedy, that is famous for its cures of colds and can always be depended upon? For sale by C. Y. Lowe.

In The Circuit Court of The State of Oregon, in and for The County of Coos

T. F. Lewis
Plaintiff
vs.
Rebecca Lewis
Defendant
Suit in Equity For Divorce

To Rebecca Lewis, the above named defendant
In the Name of the State of Oregon:
You are hereby required to appear and answer the complaint filed against you in the above entitled suit on or before the last day of the time prescribed in the order for the publication of this summons, which prescribed time is six (6) weeks, the last day of which time will be Thursday, the 5th day of May, 1910.

And if you fail to so appear and answer said complaint by the said time, the plaintiff will apply to the Court for a decree forever annulling the marriage contract existing between yourself and the said plaintiff.
This summons is published in the Bandon Recorder, a weekly newspaper published in Coos County, Oregon, for six (6) consecutive weeks, beginning March 24th, 1910, and ending May 5th, 1910 by order of publication made by the Hon. John S. Coke, Circuit Judge of the State of Oregon at Chambers, Coquille, Oregon, on the 24th day of March 1910.

Geo. P. Topping
Attorney for Plaintiff

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