

The Industrious Beaver.**Safety-Bringing Qualities.**

When North America was first colonized there were beavers in great numbers from coast to coast; nowadays they have been pushed westwards and their ranks thinned. But this is for the most part due to man and the value he sets on the thick, silky under-fur. Apart from man the beaver would continue to prosper, for it has many safety-giving qualities. There is safety in swimming and diving, in making tunnels and stores, in working mostly at night, in living socially and using danger signals, and in having a fairly long bill of fare in addition to twigs and bark. But the main source of safety is in their wit, for although they belong to the order of rodents, not generally marked by high mental development, beavers have undoubtedly a plastic intelligence.

The Beaver's Industry.

First of all there is the felling of trees which are often up to sixteen inches or so in diameter. With the chisel-edged front teeth the beaver cuts two parallel furrows across the grain of the wood, and then wrenches off the chip between. This is repeated laboriously many times till a biconical or hour-glass-like cut has been made all round the tree, which then falls. A careful observer records a case where a cottonwood tree nearly thirty inches in diameter had been felled so skilfully that it tumbled with its top in the middle of a small beaver-pond, thus assuring abundance of food for the animals at their very door. But things do not usually happen so perfectly. Trees under a foot in diameter are preferred; there is often considerable labour of transport of cut branches from the tree to the lodge. Moreover, beavers seem often to tire of a tree and leave their work half done. We must, alas, surrender the pretty stories about the beaver-woodmen cutting the tree unequally so that it must fall to one chosen side, and it is extremely doubtful whether they ever intentionally leave a tree partially cut through to be brought down by the next gale.

Beaver-ponds.

Another line of activity is making the pond and its dam. The meaning of this is to have round the lodge conveniently deep water which will not freeze too deeply in the winter. The dam is made of drift-wood, willow branches, and the like, carried in the mouth, and the framework is strengthened by mud and stones which the beavers carry by pressing their hands against their breast. It is, of course, all nonsense that they use their flat tail as a trowel. The dam is usually a narrow affair, but streams of considerable breadth are sometimes stemmed and the barrier is said to be built straight if there is almost no current, but with a convexity directed up-stream when there is a considerable flow. It is readily intelligible that some of the branches used in making the dam may eventually grow into bushes, so that the construction becomes hidden in green. There is some reason to think that beavers may have got the idea of the dam from naturally formed barriers of drift-wood such as one often sees in streams. Animals are more likely to adapt than to invent.

The Beaver's Lodge.

Two types of house are made by beavers, and there are many transitional forms. In rivers like the Colorado, with high banks and variable water-level, a tunnel well under water leads to a big burrow in the bank. The other type is the "lodge," a roughly conical erection of sticks and mud, several feet high, eight to ten feet across the base. The entrance is usually under water, or there may be two entrances. Part of the lodge is a living-room and bed-room, the rest is a store. But twigs and branches are sometimes stored beside the house on the floor of the pond, being weighted down with stones and mud, a device that certainly smacks of intelligence. Another interesting point is that extra mud is often pressed in the autumn on the outside of the house, with the result that it forms when frozen hard not only a comfortable wall, but an effective protection against the intrusions of wolves and wolverines. But it need hardly be said that the beaver's lodge, even at its best, is a much rougher construction than is suggested by the pictures in the older books.

Cutting Canals.

Where a beaver-village is well-established there must be a gradual reduction in the number of available trees. Those nearest the pond will be used first; but in the course of time little journeys will have to be made. The difficulties of transport will increase; hence the usefulness of canals, and the best of these are certainly remarkable. They may be several hundred feet long; they may form a short cut from one bend of a meandering stream to another; they may cut right through an island. A case like the last is particularly interesting, for the co-operative work would not have much justification until it was completed, with an open waterway right through. As in regard to the dams, so here we may venture the suggestion that in flat ground near a stream there are often approximations to natural canals in

which the beavers may have found a hint or a basis for elaboration.

Sagacious and Social.

The beaver is monogamous and affectionate, with a prolonged youth and pleasant family relations. It has the co-operative temperament, and its sociality has doubtless promoted its intelligence. This works in a circle; it takes a certain fitness of brain to be social, as distinguished from merely gregarious; and in the developing animal-society there is a selecting or sifting process which favours variants in the direction of wits on the one hand and self-subordination on the other. The American beaver and the European beaver are very closely akin, and the wide range of geographical distribution—until man intervened—is an expression of Nature's approval of a sagacious and social type.

Lefty Lew Hard Pushed.**TENDLER WINS HARD FIGHT.**

NEW YORK, Jan. 10.—Lew Tandler, Philadelphia lightweight, was awarded the judge's decision to-night over Pal Moran, of New Orleans, in a slashing 15-round battle at Madison Square Garden.

Both fighters began cautiously and there was little action in the first three rounds. Moran out-boxed Tandler, evading the Philadelphia's left hook, and shot in a damaging right that brought a flow of blood from Tandler's mouth. In the second and third Moran staggered Tandler with a right smash to the chin.

Taking the aggressive in the fourth round, Tandler opened a terrific assault that soon had Moran in distress. The Philadelphia battered his opponent about the ring in both the fourth and fifth rounds, opening cuts about Moran's mouth and nose, with ripping right and left hooks. Moran came back strong, however, in the sixth round.

After weathering a storm of blows to head and body he swept Tandler almost off his feet with a furious two-fisted drive and opened a cut over Lew's right eye with a jolting left smash. Tandler missed a number of wild swings both set a furious pace in the seventh round. Moran shook Lew with a left hook to the head in the eighth round, but toward the close of the round absorbed some terrific body punishment at the hands of the Philadelphia. Moran carried the fight to his opponent in the ninth, and jolted Tandler with a smashing right to the chin.

Both fought at a terrific clip in the tenth round, blood streaming from cuts on their faces as they battled toe to toe. Tandler drove Moran about the ring in the eleventh with ripping lefts and rights to the body, but Moran rallied toward the close and opened a fresh cut over Tandler's left eye. They continued their fast pace in the twelfth, Moran shaking Tandler with several right swings after being jolted by the Philadelphia's south-paw punches. Tandler had Moran hanging from the ropes in the thirteenth with a smashing attack to the body. The referee was forced to separate them when they failed to stop fighting at the end of the 15th round.

Tandler administered terrific punishment to the Southerner in the fourteenth, rocking him with terrific blows to the head. Moran fought back gamely under Tandler's punishing onslaught.

Tandler tried hard for a knockout in the fifteenth, but Moran managed to weather a rain of left hooks to the head. He caught Tandler flush on the chin several times with right swings.

Ring critics were agreed that it was one of the hardest, most vicious of Tandler's career, and that while apparently in good condition, he did not display the sensational form he showed against Benny Leonard last summer.

The Majestic Theatre screened Eugene O'Brien in "Is Life Worth Living" for the first time yesterday. The picture will continue for to-day only.

Mr. O'Brien has many friends in this city who will be interested to know that "Is Life Worth Living" is well up to the high standard of excellence which he has set for himself in previous productions which he has made for the Selznick organization.

The story, by George Weston, appeared in the Saturday Evening Post not many months ago under the title of "The Open Door." It is a whimsical little tale—half serious and half funny—dealing with the tribulations and ultimate success of a young American office employee, who, falsely accused, barely escapes a prison term on a charge of theft. Winifred Weston, who is widely known among photography devotees, has the principal feminine role and handles it effectively.

Arthur Houseman, of whom there is no more acceptable photograph "wild," is the bad man who brings about the necessary conflict between right and wrong.

HOCKEY STICKS.—Just arrived, another shipment of Hockey Sticks at our usual low prices. G. KNOWLING, LTD., Jan 30, 31, 1923.

Barbara Frietchie "Real."

(Toronto Globe)

The historical accuracy of Whittier's famous wartime poem "Barbara Frietchie," published in 1863, was investigated recently by Johns Hopkins University students, who concluded that the old woman was merely a creation of the poet. The story was that when the rebel troops under General Stonewall Jackson marched through Frederick, Md., Barbara hung a Union flag from the attic window. The soldiers fired at it, and

"Shoot, if you must, this old gray head, But spare your country's flag," she said.

Jackson stopped the shooting and ordered the troops to march on. The poem was the subject of considerable discussion, but the "discovery" of the Johns Hopkins students seems to have proved too much, for it has led to the publication of the following letter, which the poet wrote to Leverett Balknap, who conducted a bookstore at Hartford, Conn., for many years:

Danvers, Mass., 6 Mo. 13, 1864.
Dear Friend,—Barbara Frietchie was a real personage. I have seen her relations. She was upwards of 90 when the rebel army entered Frederick.
"In War Times" was published in 1863; "Snowbound" in 1865.
I am truly thy friend,
John G. Whittier.

Prince Consort Vindicated.

The Parliamentary Session of 1865 opened with business of a most unusual character. Both Lords and Commons were asked to vindicate the Prince Consort from charges of unconstitutional interference in both foreign and domestic affairs. The matter had been brought to a head by Lord Palmerston's resignation from the Aberdeen Cabinet. Many people believed that this was the result of disagreement with the Prince in regard to the negotiations which preceded the Crimean War, although it was given out that Palmerston was influenced by his attitude to Lord Russell's proposed Reform Bill. Prior to the meeting of Parliament, cabinet differences had been composed, and Palmerston had withdrawn his resignation. But the public mind was still uneasy; it was known that Prince Albert was disinclined to strong action against Russia, and it was thought that his views were responsible for Lord Aberdeen's hesitation in backing the general policy upon which Lord Palmerston and Lord John Russell were both agreed. The newspapers of both parties were not slow to charge the Prince with undue interference, and their charges were often couched in remarkably insolent language. It was natural that Queen Victoria and Prince Albert were much upset by the statements, and when Parliament met on January 31, 1865, the Prince's conduct was explained, and defended by Lord Aberdeen in the Lords, and by Lord John Russell in the Commons. The latter was particularly effective. He was told by Spencer Walpole: "Nothing could be more complete than the vindication which Lord John thus gave. The whole fabric of accusation dissolved like a bubble. The Prince himself was warm in his acknowledgments; the Queen hastened to express her gratitude and pleasure and Lord Stratford told the Duke of Bedford that he had never recollected such an impression produced by any speech."

Vessels Missing at Sea.

London, Jan. 3.—Twenty-one ships have been posted by Lloyd's underwriters as missing during last year, reports the Westminster Gazette. The British steamer Conde, of 5,236 tons, was never heard of after leaving Hong Kong in August. Another similar disappearance was that of the steamer El Kahira, which sailed from London for Genoa in July and was never seen or reported after leaving the English Channel.

Probably the most inexplicable case is that of the steamer Guillem Soroll, of 3,700 tons, which left Cardiff on October 26 for Barcelona. Two days later several ships picked up S. O. S. messages from her. A ship was sent to search for her in the Bay of Biscay but no trace of her has been found.

All three vessels and their crews have evidently perished in circumstances which can only be conjectured, and may have been stress of weather, explosion of fire.

Britain Leads the World in Shipbuilding.

Glasgow, Jan. 13.—World returns of shipbuilding for 1922 show that Britain has regained first place in the output of tonnage with 1,045,590 tons, Germany being second with 651,485 tons.

Figures for the United States are given as 253,747 tons for 1922, as compared to an output during 1913 of 4,756,900 tons.

The Last Word.

The argument started with the soup, progressed during the fish, swelled vastly when the joint came, until at dessert husband and wife were so thoroughly indignant that they could continue no longer.

"I don't know what would happen, John, if you ever agreed with me on any subject," she finally said plaintively.

He looked at her, and sighed bitterly. "I'd be wrong," he said—"I'd be wrong!"

She Liked The Programme.

The people in the railway saloon car were startled by the entrance of two masked men, one large, the other small, armed with revolvers.

"Throw up your hands," said the big man; "we're going to rob all the men and kiss all the girls."

"No, partner," said the smaller man, gallantly, "we'll leave the ladies alone."

"Mind your own business, young fellow," snapped a woman passenger of uncertain age, "the big man is robbing the train, not you!"

Muriel: "They went to the Lake district for their honeymoon, and Gladys was miserable all the time."

Edith: "Why, what was the trouble?"

Muriel: "Jim felt in love with the scenery."

A GOOD SIGN.
"Has Dick proposed to you yet, Edith?"

Edith: "No, mother, but I think he will to-night. He spent most of last evening wondering if rents are likely to come down soon."

It Saved Him.
Wife: "To-day is my birthday, and you've come home and forgotten to bring me any present at all."

Husband: "But, dearie, how can you expect me to remember? You look much younger than you did last year."

Dangerous.
The bricklayer cried out to the boy scout: "Go away! we can't have you blowing that trumpet round 'ere!"

"Why?"

"'Taint safe. You know what 'appened to the walls of Jericho, don't yer?"

Fishermen to Restore
Isaak Walton's Home.

Fishermen and sportsmen both in the United States and England are co-operating to restore the cottage of Isaak Walton, prince of anglers, as a shrine for followers of the rod and reel the world over. The cottage is at Shalford, England, six miles from Stafford.

The American leaders in the project are relatives and friends of the late Julien Tuppen Davies, attorney and trustee of the Mutual Life Insurance Company. Mr. Davies was widely known as a fisherman and sportsman.

Major T. A. Dunn and other officials of Stafford, the birthplace of Walton, are carrying on the drive in England for an endowment fund for the little cottage, which under the terms of Walton's will, was left to the town for philanthropic uses.—New York Sun.

Surprising.
One of the young women knew nothing about football, and knew she knew nothing; the other knew nothing about football and thought she knew something. The result was that the couple caused endless amusement among the spectators sitting near them.

After the girl who thought she had given tons of inaccurate information to the girl who knew she didn't, the latter pointed to the field and asked: "What are those?"

"What, dear?" replied her companion. "Do you mean all those little figures? They're men, of course."

"No, no! I mean those posts stuck in the ground." And she pointed to the goal-posts.

"Well, fancy you not knowing what they are!" exclaimed Miss Know-all. "Why, they're football fixtures!"

PRICE Means Everything NOWADAYS**DON'T FORGET W. R. Goobie is Just opposite Post Office**


China Cups and Saucers
White and Gold 19c. each
Plain White 15c. each

Men's Work Shirts
Shirts made from Light Blue Gingham. Very well made Shirts for the price 89c.

London Smoke
In Blue, Pink and Grey; a very fine soft finish 23c. yard



Enameled Chambers
Big value.
49c., 59c., 69c., 79c. each.

Apron Gingham
Most satisfactory for making childrens and misses Pinafores and Aprons. Our Price . 19c. yd.

SEE OUR WINDOWS**How to Stop Sneezing.**

Is there anything more embarrassing than having to sneeze during the really impressive moments of a play?

The unlucky one couldn't help catching cold. Nevertheless, he feels that his action is resented as a wilful interruption.

Sneezing at awkward moments isn't necessary at all. Actually, this seemingly involuntary action can be controlled. You only think you are bound to sneeze.

Next time you are in such a fix, lay your finger quickly across your upper lip directly beneath your nose, and press firmly upon the lip for a few seconds. You will find relief without making any noise at all.

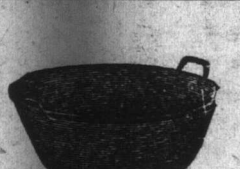
This doesn't mean that every sneeze should be suppressed. Only do this when in church or theatre or some such place. To sneeze is natural, and it relieves the nasal passage from dust.

Cement Floor Blocks as Measure in Store.

A most convenient measure, 32 feet long and 2 feet wide, is available at a hardware store in Los Angeles, as a result of a contractor's foresight in laying the floor. Realizing that great lengths could not easily be measured on the counter, he laid the cement floor with blocks exactly two feet square. An aisle immediately in front of the counter is now always kept clear, and wire netting, rope, clothesline, chicken wire, and other bulky things sold by the foot or yard, are simply laid on the floor and measured by the squares. The government inspector

Towel Bargain

Turkish Towels, the sort of Towels that suggest the purchase of several while this price prevails 26c. each



Bright Tin Mixing Pans
We have added an extra quantity of these good quality pans to our stock. . 49c., 59c., 89c. each

36 inch Flannelette
This comfortable downey finished flannelette has many uses. All clean looking patterns and plain colors. Special . 25c. yard

Toilet Paper
2 rolls for 15c.

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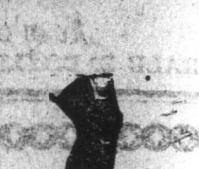
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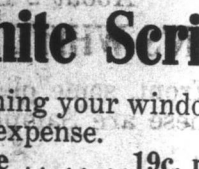
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Boys' Wool Hose
Positively one of the greatest values on the market this year Per Pair 59c.

White Scrim
Curtaining your windows with the least expense.
Our Price 19c. per yard



Baby Rubber Pants
Extra good value 25c.

Colgate's Tooth Paste
Special 13c.

White Flannelette
Excellent value . . . 19c. yard

Americ'n Shirting
Very fine and soft finish. 80c. per lb.

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