

The high quality of Purity Flour comes from First—The selected wheat we use. Second—This wheat, milled to a rigid standard under the closest supervision of miller and chemist.

PURITY FLOUR

More Bread and Better Bread



Target Tips and Hunting Hints by Alfred P. Lane

Send questions to Mr. Lane care of this paper.

A New Questions and Answers Department of Interest to Shooters

Readers are reminded that this column is open to questions which should be sent to me in care of the readers on anything connected with hunting or target shooting—A. P. L.

KILLING POWER

On the various subjects connected with the sport of shooting, killing power comes in for more acrimonious debate than any other thing. One hunter claims that such and such a rifle of so and so caliber has killing power enough for any American big game, and another hunter is equally positive that an outfit producing two or three times the muzzle energy is hardly powerful enough.

The reason for all this discussion is because bullets act erratically and the vitality of several animals apparently exactly alike varies to a very great extent. Then, too, the effect of a bullet depends in a large measure upon the vital organ which is hit. A shot in the brain is always instantaneously fatal, regardless of the size or energy of the bullet. This is almost equally true of a shot which hits the spinal cord.

Therefore a bullet from a .22 short will kill a mouse or grizely, provided it goes through the brain. Shots going through other vital organs are practically always fatal, although they differ from brain shots in that they do not necessarily cause instant death. Effectiveness depends, first, on the individual animal; second, on the exact location of the bullet hole, and third, on its size. At the two extremes, for instance, we might take the .22 rifle and three-inch field artillery gun. The .22 long rifle bullet—if it goes through a deer's heart will cause death, but the animal may run a long distance before it drops. If the above mentioned three-inch affair hit the deer there wouldn't be any question about the animal being killed instantaneously, but probably there wouldn't be enough left of the animal to take home.

The point is, in selecting the big game rifle, be careful to avoid the cannon as well as the too-small rifle.

Somehow, I seem to have noticed that the more expert a hunter becomes in both his marksmanship and his knowledge of the proper place to put his bullets, the lower the power of the rifle he uses.

J. C. L., Sullivan Co., N. Y.

I have an old Civil War rifle, Gallagher's Patent 1860, also a Sharp's Kammerless single shot rifle, Borchardt Patent. On the barrel is marked "Old Reliable." Could you tell me what caliber cartridges these guns take, and also at what ranges will they shoot accurately?

Ans., You cannot get cartridges for your Gallagher's Patent rifle. Sharp's Borchardt rifle was made both in .40 and .45 caliber. Send a plaster cast of the chamber to the ammunition companies who will probably be able to supply you. Sharp's Borchardt will give accurate results at probably 100 to 200 yds.

R. B., Jr., DeWitt, Iowa.

Can you tell me where I can get the following ducks or eggs from which I can raise them, and where I can get information on how to raise them: Wood duck, American green-eyed teal, pin-tail duck, green-winged teal, mallard duck, canvas-back duck?

Ans., Write Dwight W. Huntington, c/o Garro Breeder, 150 Nassau Street, New York City, who is an authority on the subject, and he can give you the latest information on all branches of game breeding.

E. C. K., Andover, Me.

Please give me the recoil of the carbine, Model '94 23 to 34 magazine, .32 Special and 25-35; as compared with the 38-55 '94 Model light weight. I have used the 38-55 three seasons and used a shorter barrel rifle with more power.

Ans., With the .32 Special, the free recoil is 7 1/2 ft. lbs. With the 25-35 the recoil is about 4 ft. lbs. 38-55 High Velocity cartridge gives about 10 ft. lbs.

2. What do you think about a Silvers recoil pad attached to a rifle?

Ans., The Silvers recoil pad can be fitted to a rifle, but for hunting work where only a few shots are fired in any one day, the recoil should not

bother you anyway.

3. Has the Savage Feather Weight .303 as much jump as the .32 Special carbine above mentioned? It appears to me as though there ought to be a way to compare the recoil of different rifles as there is the striking energy in ft. lbs. What do you say in regard to that?

Ans., They are in the same class with regard to recoil, which of course determines the jump. Jump does not effect the accuracy. However, as it is constant, and is the same for every shot. Recoil can be compared by either foot pounds of recoil or the feet per second velocity with which the rifle comes back.

4. What is the Maine law regarding the carrying of a loaded revolver?

Ans., Mr. W. G. Hill, 505 Fidelity Building, Portland, Me., can give you the details regarding the law on carrying revolvers in Maine.

5. Can an amateur do much on deer from 25 to 50 yds. with a .45 Colt Automatic? I use a .32 Smith & Wesson pocket revolver now. Can the .45 Colt Auto be used to good advantage at 10 to 35 yds. or is it suited for only range work?

Ans., Results on deer at 25 to 50 yds. with the .45 Colt Auto do not depend on whether the man is an amateur or no, but depend on how much skill he has in shooting. If he is an expert shot he should do good execution. By "expert" I mean a man who can keep most of his shots within an 8 inch circle up to 50 yds. The .45 Colt Auto is sighted in so there is very little difference in sighting from 15 to 75 yds.

6. Will you give the directions of using a watch to tell where North is? An old hunter showed me several years ago, but I do not remember how to do it now.

Ans., The method of telling which direction North is by means of a watch is not a very useful proceeding. If a man's watch is running approximately on time, and if he will simply remember that the sun rises in the East and sets in the West, and that at 12 o'clock noon it is due South, he can come very close to guessing by looking at his watch, about where North is. Of course, in using a watch there is no correction for latitude, so that the use of the watch is not correct anyway. However, one way of doing it is by holding the watch with the dial parallel to the earth and point it so that the sun will be midway between the hour hand and 12 o'clock, always using the largest angle between 12 o'clock and the hour, and 12 o'clock will point North; thus, at 6 o'clock in the morning, the numeral 3 will be pointed at the sun, and North would be at 12 o'clock; at 10 o'clock in the morning the numeral 5 would be pointed at the sun and 12 o'clock would still be North. At noon, the numeral 6 would naturally be North, and so on through the afternoon until at 6 o'clock at night the figure 9 would be pointed at the sun.

A. A. S., Aleman, Tex.

What size cartridge would it take in the Savage 250-3000 using an auxiliary chamber for smaller ammunition?

Ans., The only firm manufacturing an auxiliary chamber for use in the 250-3000 Savage is the Marble Arms & Mfg. Co., Gladstone, Mich. The cartridge handled is probably the .25 Automatic pistol cartridge. I would suggest writing them for further information.

D. S., Port Angeles, Wash.

SUMMARY OF THE WAR

THE MACHINE GUN AND ITS DEVELOPMENT

Tests against picked shots have shown that one machine gun will make more than 50 marksmen. One may safely say that, as a target hitter, a machine gun is equal to a regiment.

The development of this most effective of weapons has been very interesting, and much money and time has been spent in perfecting it. Machine guns of a primitive kind, was found in early history.

In 1682, the army of Ghent put 200 charrs de canon to the field, a number of barrels mounted on two wheeled carriages furnished with spikes and scythe-blades. In 1411 the Burgundian army is said to have had 2000 of these weapons. Louis the twelfth had a machine gun which fired 50 shots at one round.

The ribaudquin Chinese capture from the Chinese by the French in 1865 is probably the earliest type of machine gun known. It is believed that this gun was built about the beginning of the fourteenth century. It consisted of a very heavy truck reinforced with iron. On this truck were mounted four iron barrels nine feet long. They were all fired at once by a train of powder leading to every barrel.

Ready to Give Up Position to Hero

Ottawa, Dec. 10.—A striking example of self-sacrifice is given by an aged official of the Marine and Fisheries Department in Nova Scotia. He writes to Hon. J. D. Hazen, "I beg to inform the department that I am an aged man now, too old to go to the battlefield, but I shall be pleased at any time to trade my resignation from the position that I now hold, in favor of any disabled soldier returning from the front."

Sea Fighting at Long Range

The fight in the North Sea began twelve miles away. When the Bluecher was struck, she was ten miles from her English enemy. When von Spee and Caldecott fought off Chile, they opened fire at a distance of 12,000 yards and Caldecott had only a few minutes to load his guns. The old-fashioned obsolete ships open fire at 12,000 yards, while the superdreadnoughts can do as experts say. What they can do, experts say, is to throw a 2,000-pound projectile twenty-five miles with such accurate range-finders that the deflection will be only twenty yards for six miles.

In fact, the improvement and change in naval equipment has been so swift and revolutionary that the life of a battleship has been raised first rank for only five years.

Speed, in size, in armor proof, and big gun fire, the changes have come so fast since 1905 that the nations had either to fight it out or cripple themselves financially building bigger and bigger monsters of the sea.

And only enough, five years, and data from a little "cheese box on a floating sarcophagus," the Monitor of Civil War fame. From the time the Monitor and the Merrimack spot out their fire-cracker shots at each other in the present war. Neither side has had any monopoly of courage. The courage of both sides has been magnificent—almost terrible, but speed and the big gun have won. From "What Sea Power Means to England," by A. C. Lant, in the American Review of Reviews for December.

Re Zeppelin raids on England. R. Stirling Wood of the 28th Battery, C. E. F., writes to his mother, Mrs. James Wood of Douglastown, as follows:

We have the electric lights in the hut till 9 o'clock at night. We have to keep our windows covered tight as a protection against air raids.

Well you did get the news about the Zeppelin raid on our camp. So I suppose I might as well tell you a little about it. It was on the night of Oct. 13th at about 8.45 o'clock. The fifth brigade camped at Otterpool were shelled first. It was there that the casualties occurred, fourteen men were killed outright, and fifteen injured, of which seven have died since. It was a gruesome sight, they say. I did not go up. They dropped four bombs there and made a bee-line for us, but owing to our being situated on lower land and the promptness with which our lights went out, we were able to make their plan not the least bit effective. Pre-emption fire dropped five bombs, intending that for us but they all landed in the field adjoining us right in a row about 200 yds. from us. It was a narrow enough escape I can tell you.

Two of our water wagons were slightly damaged. When the second bomb dropped I thought the tent about twenty yards from us was crushed to the ground, but it was the glass in the large windows at headquarters. I dashed the lights out in a jiffy and crouched against the wall and tried to keep two or three of the fellows calm. Alex. MacDonald slept through it all and never budged. He is an awful sleepy head. As soon as we thought they had made off, I struck out for the stables to see how the horses might have fared. I thought the horses might have stampeded, but being under cover, they were alright and only in one case did a horse kick a fellow. The fifth brigade were in tents and had their horses plucked out in the open, 40 were killed and the rest or most of them broke away and stampeded all over the country.

The second last night I was on picket we had an alarm—heard that there was to be a raid. Some of the fellows rushed out across the railroad track, while those that could be got together came to the stables and we took all the horses out in a field north of the camp, some work with 500 horses. It was a pretty cold night and we were kept out until after twelve o'clock holding those horses. I had charge of the picket and could not leave until I saw that all the horses were out and as there were three left, I had to tie them together and take them. One was a kicker and I had an exciting time for a while.

We had pretty heavy frost last night and I expect we will be having it colder all the time now. Some of the fellows that were with us in Fredericton and went in that first draft have been in action. One has been killed and several wounded.

Ches wrote me and told me that

CASTORIA

For Infants and Children. The Kind You Have Always Bought

Bears the Signature of *Dr. J. C. Watson*

OTTAWA PLEASED WITH THE RECRUITING IN MARITIME PROVINCES

Ottawa, Dec. 11.—Recruiting in Nova Scotia is proceeding very satisfactorily, according to the minister of militia. Mr. Trenn, M. P., for Hants, who undertook to raise a regiment, has advised the minister that already more than 500 men have enlisted. Other parts of the maritime provinces, it is said, are doing equally well.

State of Ohio, City of Toledo, Lucas County, ss.

Frank J. Cheney makes oath that he is senior partner of the firm of F. J. Cheney & Co., doing business in the City of Toledo, County and State aforesaid, and that said firm will pay the sum of ONE HUNDRED DOLLARS for each and every case of Catarrh that cannot be cured by the use of HALL'S CATARRH CURE.

FRANK J. CHENEY. Sworn to before me and subscribed in my presence, this 6th day of December, A. D. 1888. A. W. GLEASON.

(Seal) Notary Public Hall's Catarrh Cure is taken internally and acts through the blood on the mucous membrane of the system. Send for testimonials.

F. J. CHENEY & CO., Toledo, O. Sold by all druggists, 75c. Hall's Family Pills for constipation.

alfr. p. lane

Canadian Sargeant Murdered in England

London, Dec. 11.—The most grim and sensational tragedy that has marked the history of the Canadian troops in England, occurred Thursday night in the quiet Hampshire village, Grayshott, where Jacques Marcus Ozanne, of the Forty-First French Canadian Battalion in command of Lieut.-Col. Archambault, was brutally murdered in a stable.

Lieut. Oederre, the only occupant of a house near the stable, was taken into custody. He strenuously denies being implicated in the crime.

The body of the Sargeant who is believed to be a native of the Channel Islands, was terribly mutilated. The head was almost severed. A carving knife and a blood stained towel were found in the vicinity of the body.

COL. GUNNING WILL COMMAND 140TH

St. John, Dec. 10.—Col. G. W. Gunning, formerly 66th Regiment, Halifax, and recently of the 104th Battalion at Sussex, has been given command of the 140th and will have battalion headquarters in St. John for the winter.

some of these fellows that were wounded in the air raid were in the hospital where he is.

Don't worry about these things mother, all will be well. Let us hope and pray that it will soon be over and if we are called upon to lay down our lives in this gigantic struggle that it will not be in vain. I don't think we shall see the front before January at any rate. The air raid has made some more anxious to get over to square accounts.

Your loving son, STERL.



Zeppelin Air Raids On 28th Battery

Sterling Wood Tells of Exciting Time When Raids Were Made

Synopsis of Canadian North-West Land Regulations

The sole head of a family, or any male over 18 years old, may homestead a quarter section of available Dominion land in Manitoba, Saskatchewan or Alberta. The applicant must appear in person at the Dominion Lands Agency or Sub-agency for district. Entry by proxy may be made at any Dominion Lands Agency (but not Sub-Agency), on certain conditions.

Duties: Six months' residence upon and cultivation of the land in each of three years. A homesteader may live within nine miles of his homestead on a farm of at least 80 acres, on certain conditions. A habitable house is required except where residence is performed in the vicinity.

In certain districts a homesteader in good standing may pre-empt a quarter section alongside his home stead. Price \$3.00 per acre.

Duties—Six months' residence in each of three years after earning homestead patent; also 50 acres extra. Pre-emption patent may be obtained as soon as homestead patent, on certain conditions.

A settler who has exhausted his homestead right may take a purchased homestead in certain districts. Price \$3.00 per acre. Duties—Must reside six months in each of three years, cultivate 50 acres and erect a house worth \$300.

The area of cultivation is subject to reduction in case of rough, scrubby or stony land. Live stock may be substituted for a cultivation under certain conditions.

W. W. CORY, C. M. G., Deputy of the Minister of the Interior.

N. B.—Unauthorized publication of this advertisement will not be paid for.—64388. 49-6mos.

EDDY'S

WHEN MATCHES ARE WANTED

FOXES

Get "More Money" for your Foxes

Fisher, Muskrat, Lynx, White Weasel, Marten, Skunk and other Fur bearers collected in your section

SHIP YOUR FURS DIRECT TO "SHUBERT" the largest house in the world dealing exclusively in NORTH AMERICAN RAW FURS

A reliable—responsible—house with an unblemished reputation existing for "more than a third of a century," a long successful record of sending Fur Shippers prompt SATISFACTORY AND PROFITABLE returns. Write for "The Shubert Shippers," the only reliable, accurate market report and price list published.

Write for it—NOW—IT'S FREE

A. B. SHUBERT, Inc. 25-27 WEST AUSTIN AVE. Dept. C. CHICAGO, U.S.A.

46-5mos.

500

IT'S not a catalogue but a book of information—brimfull of valuable money saving facts for the farmer.

It tells how to construct fire-proof, weather-proof, wear-proof buildings and other farm improvements of indestructible concrete—the most economical of all building materials.

It is the same book that has saved time, labor and money for more than 75,000 progressive Canadian farmers. Let it save money for you.

Canada Cement Company Limited, Herald Building, MONTREAL.



This Valuable Book FREE

Clip the Coupon below. Fill in your name and address and mail TO-DAY.

CUT OUT AND MAIL

CANADA CEMENT COMPANY LIMITED, Herald Building, Montreal. 458

Send me a free copy of "What the Farmer can do with Concrete".

Name _____

Street and No. _____

City _____ Prov. _____

Shoe Packs!

My stock is now complete, and having bought at the lowest possible prices I am in a position to give the best values in town, either wholesale or retail.

Shoe Packs Re-bottomed

G. M. LAKE.

Newcastle, N. B. The Harness & Shoe Pack Man

AMERICAN FISH DEALERS

Established 1870 Telephone

R. W. SANDIFORD Wholesale Commission

Fish Dealer

38 Fulton Fish Market, NEW YORK

Consignments solicited 51-10pd. Prompt Returns

CHARLES C. MEIGS CO.

Wholesale Commission Dealers

FRESH FISH

Smelts and Eels a Specialty

DAILY RETURNS

25 Fulton Fish Market, NEW YORK

TELEPHONE 99 BEEKMAN 51-10pd.

Lynch & Co.,

To Fishermen and Fish Dealers—Kindly favor us with your name and address, that we may from time to time mail you information of value.

TRY US. Our careful attention and handling prompt results and results reached not to speak of the itemized and satisfactory account sales, will be revealed to you. Our place of business is the finest in the city.

18 Fulton Fish Market

New York

Consignments Solicited Prompt Returns

John Dais Co. (Incorporated)

107 Fulton Market New York

Wholesale Commission

FISH DEALERS

Bass, Smelts and Eels Specialties