

There's a right way

to protect your 'barn and its valuable contents—and a wrong way!

Perhaps you **have** the right kind of a roof; possibly you **have** put a metal roof on your barn.

But if you **haven't**, let us explain why you should; how you can save money by doing so; and just how you ought to go about it in order to ensure the best results.

We have important information for every farmer on this important subject of barns. If you will write us, we'll send this information free—together with samples, catalogues and plans, showing in the simplest possible form the process of roofing your barn with Galt Steel Shingles.

A little investigation now may save you hundreds of dollars later on. Possibly you've been "putting off" the "putting on" of that new roof because you thought it would cost too much to do it right.

Don't believe that until you **know** it's so. It will only cost you the price of a post card to find out definitely what it will cost, and to gain an accurate idea of the ultimate saving to you of putting on the right kind of a roof right now.

So send that post card to-day to

The Galt Art Metal Company, Limited

252 Stone Road, Galt, Ontario

Questions and Answers.

Miscellaneous.

Cement Paint.

I think I saw an article in your paper some time ago about mixing cement with red paint for painting barn. Would be very much pleased to receive any information through your paper, as I intend rebuilding my barn next spring.

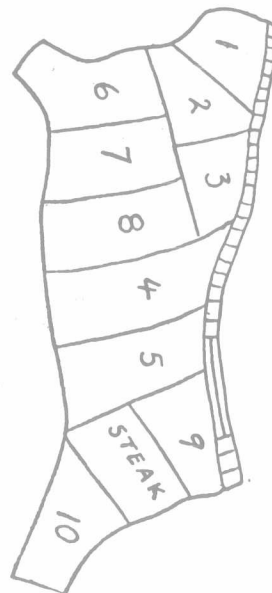
L. D.

Ans.—Take any quantity of Portland cement and put in suitable can or pail and add enough coloring to make it the desired shade. Stir well so as to get color thoroughly mixed with cement, then add enough milk (whole milk preferred) to make the cement of the consistency of thick cream, and apply with an ordinary paint brush.

Beef Ring Chart.

Would you kindly publish, through "The Farmer's Advocate," a chart of a 20-share beef-ring?

J. S.



Ans.—This is an illustration of one side of the beef, cut, as shown, into ten shares. The other ten will be exactly the same on the other side.

Estimating Hay, Silage and Grain.

Please give rules for computing (a) the quantity of hay in a mow; (b) the quantity of silage in a silo that had been filled to a depth of eighteen feet, and has now about fifteen feet in it; (c) the number of bushels of grain in a bin.

Ans.—For computing the quantity of hay in a mow, the rule that applies ranges from a cube of seven feet up to a cube of eight. Multiplied out, this means from 343 to 512 cubic feet per ton. Even of settled timothy, it usually takes more than 350 cubic feet for a ton, while of clover mixture the figures would run up towards 450, or higher.

A cubic foot of average silage in a silo of, say, 30 feet in depth, is supposed to weigh about 40 pounds, though nowadays when the corn is ensiled in a less sappy condition than formerly, a cubic foot in a silo of that depth would scarcely weigh 40 pounds. King gives a table in which the average weight per cubic foot two days after filling is thus estimated:

In a silo 13 feet deep, a cubic foot weighs 28.3 lbs.
In a silo 14 feet deep, a cubic foot weighs 29.1 lbs.
In a silo 15 feet deep, a cubic foot weighs 29.8 lbs.
In a silo 16 feet deep, a cubic foot weighs 30.5 lbs.
In a silo 17 feet deep, a cubic foot weighs 31.2 lbs.
In a silo 18 feet deep, a cubic foot weighs 31.9 lbs.
In a silo 19 feet deep, a cubic foot weighs 32.6 lbs.
In a silo 20 feet deep, a cubic foot weighs 33.3 lbs.

To find the number of cubic feet, of course, one multiplies the radius by itself, then by 22/7, and then by the height. Thus, a silo 14 feet in diameter and 20 feet deep, would contain $7 \times 7 \times 22/7 \times 20 = 3,080$ cubic feet.

In calculating the capacity of a bin of grain, allow 2.2182 cubic inches per bushel, and make variable allowance for settling, according to judgment.

He Feels Better With a Hair Cut

Just the same as you do. How would you like to still wear your winter coat when spring work begins? If you want your horses to keep well, last longer and give you better service in every way take off the heavy coat that holds the wet sweat and dirt. Don't buy any thing but

The Stewart Ball Bearing Clipping Machine

the only machine that will clip horses, cows and mules without any change whatever. Has all file hard cut steel gears, enclosed safe from dust and dirt and running in oil. Has 6 feet of new style, light, easy running flexible shaft and the Stewart single tension clipping head, highest grade. Clips easier and faster than any other and lasts longer. Every machine fully guaranteed. Get one from your dealer or send to us and we will **PRICE** ship C. O. D. **\$975** for balance.

GET ALL HIS WOOL

You lose \$1 on every six sheep by shearing the old way. You know how many money for you if you get more and longer, better quality of wool, that will bring a higher price. Use a **Stewart No. 9 Ball Bearing Shearing Machine**

It's the most perfect hand operated shearing machine ever devised. Has ball bearings in every part where friction or wear occurs. Has a ball bearing shearing head of the latest improved Stewart pattern. Comes complete, including 4 combs and 4 cutters of the celebrated Stewart quality shears. Get one from your dealer, or send \$2.00 and we will ship C. O. D. for balance. **PRICE \$1575**

CHICAGO FLEXIBLE SHAFT CO.
110 LaSalle Ave. CHICAGO

SWINE OF ALL BREEDS FOR SALE. Yorkshires, Tamworths, Berkshires, Hampshires, Chester Whites, Poland-Chinas, and Duroc-Jerseys. I have constantly in hand both sexes of all ages. Show stock a specialty.

JOHN HARVEY, Frelighsburg, Que.

Prize Chester White Swine—Winners. High-class in type and quality, bred from winners and champions. Young stock, both sexes, any age; reasonable prices.

W. E. Wright & Son, Glenworth P.O., Ont.

REG. POLAND CHINAS

I am offering for sale, boar, 10 months, and sow, same age; bred from imported stock. For quick sale, write Box N, Farmer's Advocate, London.

MORRISTON TAMWORTHS AND SHORTHORNS

Bred from the Prize-winning herds of England; have a choice lot of young pigs, both sexes, pairs not akin; and also the dual-purpose Shorthorns. Satisfaction guaranteed. **C. Currie, Morrison.**

The Scottish Farmer reports the case of a Border Leicester yearling ewe having this spring presented her owner with five lambs at a birth, four males and one female. The latter died shortly after birth, but the other four are doing well. The same journal also reports a remarkable case of endurance of two sheep on a grazing in Strathbraan district, which had been embedded in a snowdrift from January 11th, for seven weeks, succeeding in coming out themselves, and, though in a rather emaciated state after their long imprisonment, are not only alive, but are actually thriving.

YOUR WIFE WILL

appreciate it when you bring home a can of SNAP. For cleaning her hands, after filling the lamps, milking the cows, peeling the potatoes and onions, there is nothing to equal

SNAP

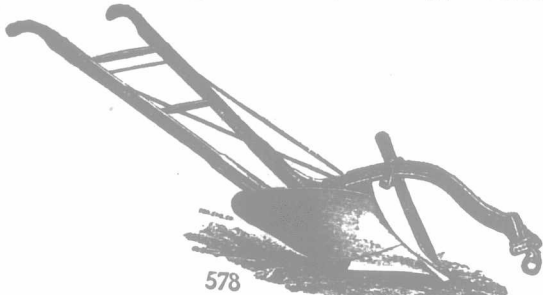
It leaves the skin smooth and soft. Order from your dealer to-day.

Snap Company, Limited, Montreal.



PLOWS THAT SELL!

Fleury's Original No. 21, "Dandy," No. 13, No. 15A (one-horse)



Light draught. Ease for horses. Smooth running. Easy to hold. Finest quality of work in the field. The highest quality of soft centre steel mouldboards. First-class materials throughout, combined with good workmanship, produce

THE BEST PLOWS IN CANADA

We are the manufacturers of the Original No. 21 and Dandy Plows.

TAKE NO IMITATIONS

THERE ARE NO PLOWS LIKE FLEURY'S

J. FLEURY'S SONS, Aurora, Ontario
Medals and Diplomas, World's Fairs, Chicago and Paris

Woodburn Berkshires

are founded on the famous old Sally tribe, noted for big size, length of body and strength of bone. We can supply pairs and trios not akin. Show stock a specialty. Also high-class Cotswolds, ram and ewe lambs, shearlings.

E. BRIEN & SON,

RIDGETOWN, ONTARIO



Large White Yorkshires

Have a choice lot of sows in pig. Boars ready for service and young pigs of both sexes supplied not akin, at reasonable prices. All breeding stock imported, or from imported stock from the best British herds. Write or call on **H. J. DAVIS, Woodstock, Ont. C.P.R. and G.T.R. Long-distance 'phone.**

Pine Grove Yorkshires

Bred from prizewinning stock of England and Canada. Have a choice lot of young pigs of both sexes, pairs not akin, too offer at reasonable prices. Guaranteed satisfaction.

Joseph Featherston & Son, Streetsville, Ont.



ELMHURST LARGE ENGLISH BERKSHIRES

Present offering: Select sows. Choice boars ready for service; also younger stock, the get of Duke of Somerset, imp. and out of imported dams. Satisfaction and safe delivery guaranteed. **H. M. VANDERLIP, Breeder and Importer, CAINSVILLE P.O. Langford station, Brantford and Hamilton, Canada.**

Duroc Jersey Swine

Grand stock, either sex, constantly for sale. Price reasonable. **MAC CAMPBELL & SONS, Northwood, Ontario.**

Cloverdale Berkshires

Present offering: Sows bred and others ready to breed; also younger stock of both sexes. Prices reasonable. **C. J. LANG, Hampton, Ont. Durham Co.**