


Lump Jaw



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Fleming's Lump Jaw Cure

and it remains today the standard treatment, with years of success back of it, known to be a cure and guaranteed to cure. Don't experiment with substitutes or imitations. Use it, no matter how old or bad the case or what else you may have tried—your money back if Fleming's Lump Jaw Cure ever fails. Our fair plan of selling, together with exhaustive information on Lump Jaw and its treatment, is given in Fleming's Vest-Pocket Veterinary Adviser. Most complete veterinary book ever printed to be given away. Durable, bound, indexed and illustrated. Write us for a free copy. FLEMING BROS., Chemists, 75 Church St., Toronto, Ontario

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Full information of

Secretary, Hampshire Down Sheep Breeders' Association, SALISBURY, ENGLAND.

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Imperial Hog Food

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See American Oxford Down Record. We are offering a number of first-class yearling ewes from imported sires, and bred to champion imported ram; also a number of ram and ewe lambs. Prices reasonable. **HENRY ARKELL & SON, Arkell, Ont.** Arkell, C. P. R.; Guelph, G. T. R. and Telegraph.

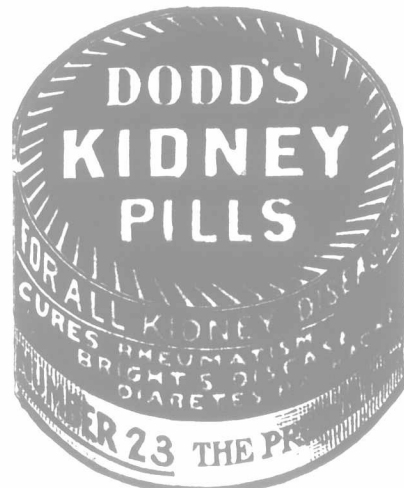
Fairview's Appreciation.

To Our Many Customers:

Kindly show us most heartily to thank you for the many nice statements made regarding Shropshire, and to your orders. We fully appreciate your kindness in telling us of your satisfaction. J. & J. Campbell, Fairview Farm, Woodville, Ont.

Oxford Down Sheep, Shorthorn Cattle, He, Yorkshire Hogs.—Present offering: Lambs of either sex. For prices, etc., write to **John Cousins & Sons, Buena Vista Farm, Harriston, Ont.**

"Man calls his wife his better half, But that's a sort of bluff, He can't deceive himself, For she's the whole thing sure enough."



QUESTIONS AND ANSWERS. Miscellaneous.

WATER SUPPLY—EFFECT OF FROST ON MORTAR.

We have a well at house, 22 feet deep, in which we have a syphon pipe, 1/2-inch galvanized iron, used only in summer, which rises from the water to the surface of the ground, and then runs along above ground down a slope for about 600 feet to a point on the brow of a hill 27 feet below the ground level at the house. At this point the water will rise 10 feet in the pipe, and fill a dairy pail in 70 seconds. The water in the well stands from 3 1/2 feet to 18 feet deep.

1. Can water be brought from well to barn, which is five feet below level at house?

2. Stone wall, built 1st of November last, but not pointed yet. The mortar seems to be sifting out quite a lot by freezing. Do you think the wall will be all right? G. T. K.

Ans.—1. Not without being pumped. By windmill, either at house or barn, that could be readily done. Or a well 20 feet deep could be dug at barn into which syphon pipe could be led to a depth of 16 feet, and pumping done by hand.

2. Probably it will, but nothing certain can be known until frost has gone out in spring.

EMMER.

1. Is emmer suitable for horse feed alone? If mixed with oats, what proportion would you recommend?

2. What proportion of emmer would you recommend in a mixture of peas, oats and barley, for fattening cattle and milch cows? A. B. F.

Ans.—Emmer has not been used in this country in very large quantities for feeding purposes. The composition is as follows:

	Husks and	Husks and
	Husks.	grain.
Water	12	10.172
Ash	7.45	2.956
Ether extract	1.48	2.467
Crude fibre	39.02	11.450
Crude protein	2.39	11.577
Nitrogen free extract	41.54	61.398

Notice the large amount of fibre in the husks. When the emmer is ground, the husks seem to separate very readily and completely from the kernel part. I do not know of any digestion experiments having been made with this material, and cannot show the comparison of digestible matters.

The South Dakota Experiment Station carried on a number of experiments with this food. They report results from feeding experiments with steers, three lots of four steers each, and one lot of three steers, used in a test covering 170 days. The conclusions were as follows:

"This test shows that a pound of corn is equal to 1.25 lbs. of emmer for steer feeding. It also shows that where corn and emmer are mixed, half and half, by weight, the relation is about the same, with a small increase in gain in favor of the mixture."

The Nebraska Experiment Station made a number of tests to ascertain the most profitable methods of producing pork on alfalfa, and to study the feed value of grains commonly grown locally, as corn, emmer and barley. They conclude that:

"For fattening hogs that have access to alfalfa hay, corn at 35 cents, barley 24 cents, and emmer 19 cents, should give about equal profits. Under these conditions, 4 bushels of barley are worth as much as 5 bushels of emmer."

These experiments would go to show the value of emmer as a feed for cattle and hogs, and it is evident that it may be used in a mixture of peas, oats and barley, for fattening cattle or for milch cows, but whether it may be used profitably or not, will depend upon the comparative prices of the materials.

I cannot say anything with reference to whether emmer is suitable for horse feed alone, but I do not think that it will be anything like as satisfactory a food as oats. I think that in many respects it might be treated as barley, only that it is not worth as much as this grain.

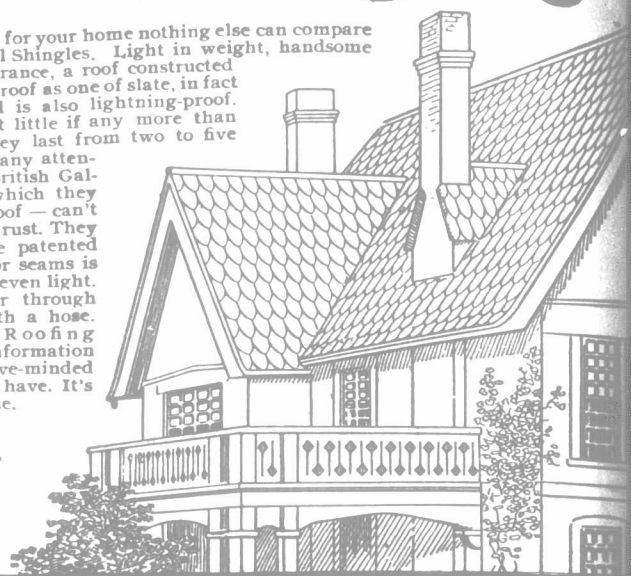
R. HARCOURT.

O. A. C., Guelph.

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HIGHEST PRICES PAID FOR ALL KINDS OF RAW FURS. PROMPT RETURNS. WE PAY EXPRESS.

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Present offering: Excellent ewes, choice rams, and the best lot of lambs I ever offered; all sired by imported rams. Yorkshires of both sexes and all ages. Boars fit for service. Sows ready to breed. A high-class lot. Satisfaction assured.

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Shropshires, Shires and Clydesdales.—High-class Shropshires, shearing rams and ewes, ram lambs and ewe lambs, from imported and Canadian-bred stock, show stuff; Shire and Clydesdale fillies; White Wyandotte cockerels and pullets. Prices right. **W. B. Monkman, Bond Head P. O., Bradford or Beeton Station.**

I HAVE GREAT, THICK, ROBUST **SHROPSHIRE** YEARLING AND TWO-YEAR-OLD RAMS, dale mares, and a few beautiful Welsh ponies will also be priced at attractive figures.

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Large White Yorkshires

Am offering at the present time a fine lot of young sows, bred to farrow during Mar. and Apr. Also young pigs, both sexes, from 2 to 4 months old. Pairs supplied not akin. Write or call on

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Tamworths. A grand lot of young boars from 2 to 4 mos., also young sows (dandies). Some just bred. Some in farrow to first-class boars from best herd in England. Prices reasonable. **Chas. Currie, Merriston, Ont.**

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Young sows of breeding age. Some already bred. Also choice young pig of both sexes, 6 to 8 weeks old. Joe No. 5629, first-prize boar at Toronto and London, 1909, at head of herd. Also two grand young Jersey bulls. **Chas. E. Rogers, Thames Valley Farm, Dorchester, Ont.**

MONKLAND YORKSHIRES With very nearly 100 sows in breeding, of modern type and high-class quality, our herd will stand comparison with any in Canada. We are always in a position to fill large or small orders with despatch. Long-distance phone. **JAMES WILSON & SONS, FERGUS, ONT.**

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Sows bred and ready to breed. Nice things, three and four months old. **W. W. BROWNRIDGE, Milton, C. P. R., Ashgrove, Ont., Georgetown, G. T. R.**

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Present offering: 6 yearling heifers and several younger ones. All very choice. Of Tamworths, pigs of all ages and both sexes, pairs not akin. **R. O. MORROW & SON, Hilton, Ont.** Brighton Tel. and Stn.

Newcastle Herd of Tams and Shires.—Horns For quick and at very reasonable prices. 6 sows bred by Cholderton Golden Secret, bred to farrow in Jan. Feb. and March, to a Toronto prize boar. Nearly all my brood sows are sired by that noted prize boar, Colwill's Choice, or Newcastle Warrior, champion boar at Toronto, 1901, '02, '03 and '05. I also offer 50 boars and sows, from 2 mos. to 4 mos. old. Two bull calves one year old. Half-a-dozen heifers, from 1 to 3 years old. Long-distance Bell phone in home. **A. A. COLWILL, Box 9, NEWCASTLE, ONT.**

When Writing Mention This Paper

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