

# BRONCHITIS

## Was So Choked Up She Could Hardly Breathe.

Bronchitis is an acute inflammation of the mucus membrane lining the air tubes of the lungs, and should never be neglected, for if it is very often the disease becomes chronic, and then it is only a short step to consumption.

On the first sign of bronchitis Dr. Wood's Norway Pine Syrup should be taken, and thus prevent it becoming chronic.

Mr. John D. MacDonald, College Grant, N.S., writes:—"My little girl, seven years old, caught a bad cold which developed into bronchitis. She was so choked up she could hardly breathe. Reading about your wonderful medicine, Dr. Wood's Norway Pine Syrup, I decided to try a bottle, and with such good results that I got another which completely cured her. I cannot say too much in its praise, and would not be without it in the house."

Dr. Wood's Norway Pine Syrup is put up in a yellow wrapper; three pine trees the trade mark; price, 25 cents.

Manufactured only by The T. Milburn Co., Limited, Toronto, Ont.

**Messrs. Hickman & Scruby**  
COURT LODGE, EGERTON KENT, ENGLAND  
EXPORTERS OF

**Live Stock of all Descriptions.**  
Horses a specialty. We buy from the breeder in Europe, and ship direct to our clients, who thus obtain what they require very much cheaper than they can do any other way.

Our Mr. Hickman will be at the International, Chicago, and can be found at the La Salle Hotel, or on the show ground, upon enquiry at the sheep exhibit. He will also be at the mid-winter fair, Guelph, Ont., and can be found at the Wellington Hotel, or on the show ground, upon enquiry at the secretary's office.

All those who are ever likely to want imported stock, should take this opportunity to interview Mr. Hickman, as it may mean a saving of thousands of dollars in the future.

**Aberdeen-Angus Cattle**—For Sale: A choice young bull (15 mos.) of richest quality and breeding; also females.  
**Glengore Stock Farm.**  
**GEO. DAVIS & SONS, Props.** Alton, Ont.

**Balmedie Aberdeen-Angus**—I am offering for sale young bulls and heifers of the highest types of the breed. Show stock in show condition a specialty. Bred on the most popular lines. **Thos. B. Broadfoot, Fergus Sta., Wellington Co., Ont.**

**Aberdeen = Angus**  
Now is the time to buy a bull; eleven for sale; also females any age or price. **WALTER HALL,** Drumbo station, Washington, Ont.

**SHORTHORN BULLS**  
and Clydesdale Mares

If you are in the market for a young bull, write us for particulars, or, better still, come and see them. We have 13 young bulls from 8 to 14 months old, of good breeding and quality. We also have 4 imported Clydesdale mares safe in foal.

**W. G. Pettit & Sons, Freeman, Ont.**  
Burlington J. & Sta., G. T. R., 1 1/2 mile from farm. Bel phone.

**"The Manor" Scotch Shorthorns**

Present offering: 1 choice yearling bull, an "Undine," g. dam imp. Young cows in calf. Yearling heifers: Clippers, Minas, Wimples, Julias, etc. Inspector solicited. Prices moderate. Phone connection.

**J. T. GIBSON, DENFIELD, ONTARIO**

**SHORTHORNS AND SHROPSHIRE**  
For sale: Heifers and calves, shearing rams and ram lambs, also a few young Berkshire sows.  
**John Racey,** Lennoxville, Quebec.

MENTION "FARMER'S ADVOCATE."

## QUESTIONS AND ANSWERS. Miscellaneous.

### RE HOMEMADE WINDMILLS.

Editor "The Farmer's Advocate":

I would like to criticise Prof. Wm. H. Day's reply to W. J. Y., in Oct. 19th issue, in regard to a homemade windmill. Consult any manufacturer and we know by experience the fans should not be so close together as to appear solid at a short distance view. Make them like an old-time picket-fence would be better; yet the medium would be better than either. Windmills for pumping are generally geared; else in high winds it pumps too fast. In light winds there is not sufficient power to start it. Some means should be contrived to allow mills to turn away from high winds. My advice is not to make a homemade windmill, but get one that can be bolted to an upright oak or black-ash square or round post. It is cheaper, better and will last longer and give better satisfaction than any steel tower. The post for our mill is bolted to the side of pigpen, the pump working in a "dry well," and the water is drawn along an underground pipe from the house well. This scheme serves an extra well for the cattle, etc., as well as for keeping the house water in purer condition. The pipe at the house runs down about 45 feet. When water is lifted from this low point we never have to do any sand pumping, for apparent reasons. Again, let me repeat, don't bother to make a homemade windmill. Better earn the money while you would be working at it.

Lambton Co., Ont. G. A. ANNETT.

NOTE.—Referring to the above letter by Mr. G. A. Annett, I would say that, accepting his suggestion to "consult any manufacturer," I wrote one of the largest windmill firms in Canada. Here is their answer: "Pumping windmills are usually NOT geared mills, the movement being up and down instead of reciprocating. Both American and Canadian pumping mills are not usually geared mills, although both types are manufactured, and can be used for pumping purposes, as you will see by the illustrations in the catalogue we are sending you." The letter containing the above quotation may be seen at my office.

In regard to the position of the fans to one another, I am glad that Mr. Annett has drawn attention to the point, as I find that I didn't state accurately what I had in mind. I find no literature dealing directly with this point, but so far as I can judge the principle is this: The fans should be so spaced that the forward edge of one fan will not diminish the wind pressure on the rear edge of the preceding fan; or, in other words, all the air which impinges on the fans should do so at full velocity. If the wheel were standing still these conditions would be fulfilled when the forward edge of one fan was just even with the rear edge of the preceding one; or, in other words, when the fans were close enough that the wheel would appear solid when looked at from straight in front. But the wheel does not stand still, and, consequently, the fans should be so spaced that each will traverse the space between in the same time that the wind will travel from the forward edge of the one to the rear edge of the preceding one. Thus we see that the space would depend upon four factors; the velocity of the wind, the velocity of rotation of the wheel, the width of the fans and the angle at which they are set. The average wind velocity during the period of the day that the windmill runs is about 16 miles per hour. If a 10-ft. wheel in this wind made 35 revolutions per minute (which some do), and if the fans were set at the best angle, which would be about 25° at the outer end and about 35° at the inner end, then the space should equal, approximately, one-third of the width of the fans. If, however, it were a 16-ft. wheel running 25 revolutions per minute the space should be about one-quarter the width of the fans.

Regarding Mr. Annett's advice not to experiment with making a homemade windmill, I would say that I make a practice of answering the questions that are asked, and giving advice on others; although I agree with him regarding the point.

WM. H. DAY.



## A Warm Bathroom

**PERFECTION**  
SMOKELESS  
OIL HEATER

Every mother should be careful that the children take their baths in a warm room. The chill of a cold room is dangerous after coming out of the hot water.

A Perfection Smokeless Oil Heater brings bathroom or bedroom to just the degree of warmth you want in five or ten minutes. All you have to do is to touch a match.

The Perfection Heater burns nine hours on one filling and is always ready for use. You can move it anywhere it is needed. There is no waste of fuel and heat warming unoccupied rooms. Just the heat you want, when and where you want it.

The Perfection is fitted with an automatic-locking flame spreader that prevents the wick being turned high enough to smoke and is easy to remove and drop back when cleaning.

Drums finished either in turquoise-blue enamel or plain steel; light and ornamental, yet strong and durable—suitable for any room in any house.

Dealers everywhere; or write to any agency of

**The Queen City Oil Company, Limited**

## IMPORTED ABERDEEN-ANGUS CATTLE

We have a large selection of IMPORTED ANGUS BULL CALVES and YEARLINGS for sale. Also a few heifers and cows. These cattle represent the most desirable blood lines and families of this breed in Scotland, and are an exceptional lot of fine individuals.

## Prices Reasonable

This is an opportunity to introduce the best imported blood in your herd. Angus sires are noted for their prepotency, and thus are extremely desirable for improving and building up herds of grade cattle. You are cordially invited to inspect our herds and stock.

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Clydesdale Horses  
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**LARKIN FARMS**  
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**J. D. LARKIN, - Owner**  
Buffalo, N. Y.



### ORCHARD GROVE HEREFORDS

Champions of 1911 shows, winning both senior and junior herds at Winnipeg, Brandon, Regina, Edmonton, Toronto and London; also fifteen championships.

Young stock, both sexes, for sale at reasonable prices.  
Long-distance Phone L. O. CLIFFORD Oshawa, Ont.

**SALEM SHORTHORNS** Headed by (Imp.) Gainford Marquis, undefeated in Britain as a calf and yearling, and winner of junior championship honors at Toronto, 1911. Have on hand two yearlings and a number of bulls under a year for sale at reasonable prices.  
**J. A. WATT, Salem, Ont. Elora Sta, G. T. R. and C. P. R.**

**Springhurst Shorthorns and Clydesdales** I am now offering a number of heifers from 10 months to 3 years of age. Anyone looking for show material should see this lot. They are strictly big class, and bred on show lines. Also several Clydesdale fillies, Imp. sires and dams from foals two years of age off.  
**MARRY SMITH Hay Onario Exeter Station**

**Scotch Shorthorn Females for sale** I am offering at very reasonable prices, females from one year to five years of age. The youngsters are by my grand old stock bull, Scottish Hero (Imp.) = 55012 = (90765), and the older ones have calves at foot by him or are well gone in calf to him. Their breeding is unexcelled, and there are show animals amongst them. **A EDWARD MEYER, Box 378, GUELPH, ONT.**



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