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The Great English Remedy  
Tones and invigorates the whole  
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debility, mental and brain worry, depression,  
loss of energy, indigestion of the  
heart, halting memory. Price \$1 per box, six  
for 50. Can be obtained in plain glass or in  
gold. New pamphlet mailed free. THE WOOD  
MEDICINE CO., TORONTO, CAN. Branches  
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renovated and recovered.

Feather beds and pillows  
thoroughly sterilized and made  
into mattresses at modern cost.  
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When a woman tells you she will  
be ready in a minute she doesn't tell  
you which minute.  
In failure we all seem to get more  
free advertising than in success.

# TUBER DISEASE DANGER

Blackleg Decreases Potato Yield  
Thousands of Bushels.

Raising Pork Is a Profitable Side-line  
on the Dairy Farm — Expert  
Advises One Brood Sow for Each  
Ten Cows on Average Farm.

(Contributed by Ontario Department of  
Agriculture, Toronto.)

**B**LACKLEG of potatoes is a disease that has been causing heavy losses to potato growers in many districts during the past few years. As the name of the disease implies, there is a blackening of the lower parts of stems of the potato plant affected. Accompanying the discoloration there is a soft rotting condition followed by shrinkage and death.

The disease is usually first noticed in the young growing crop when the plants are from four inches to a foot high. In looking over a field in which the disease is present, it will be seen that the tops of certain plants have lost their bright dark green appearance, having faded to a more or less dirty yellowish or brownish color. These tops will be somewhat limp and drooping, and in some cases where the disease is well advanced they will have dropped right over. If a careful examination of the lower stems of these affected plants is made it will be seen that they are blackened and soft rotting. This blackening and soft rotting is more noticeable below the soil than above it. By carefully removing the soil from around an affected plant the blackening and soft-rotting can usually be traced to the seed tuber. As a rule in such cases the seed tuber will be found to be in a soft-rotting, slimy condition, the soil immediately beneath it being in a wet, puddled condition due to the wetness from the soft-rotted seed tuber. In such cases the disease in the plant has developed from an affected seed tuber and passed up the young growing stems, causing them to discolor and rot and eventually to fall over dead or dying. Sometimes all the stems in a hill will be affected and the whole plant die down. Sometimes, however, only a few of the stems will be affected and the remainder will appear to develop normally. If the season is a dry one a number of tubers may be produced on such plants which may mature and appear alright at harvest, but if the season is a wet one the disease will spread to the tubers and cause them to rot in a soft, slimy condition before harvest, or if they are harvested before the rot is very noticeable in them, they are liable to rot in storage or to carry the disease over to the next season.

It is tubers from such affected plants which are mostly responsible for carrying the disease over from season to season and spreading it from district to district. Such tubers, if used for seed purposes, will give a considerable percentage of blackleg-affected plants. Consequently, the greatest care should be taken in the selection of seed tubers. If any indication of rot, either wet or dry, is found on a tuber, or any brown discoloration of the potato tissue when cut into, it should be discarded and not used for seed purposes.

Though spraying with Bordeaux Mixture will help to control fungus diseases, such as late and early blight of potatoes, it is of no use in controlling blackleg. Blackleg is a bacterial disease that gets into the plant either from an affected seed tuber or from the soil. It works from below upward and by the time it gets much above the ground it will usually have killed the plant. Consequently, spraying the tops of potatoes will not prevent the disease.

To prevent the disease developing, plant only sound, healthy, well-selected seed and do not plant on land that has produced blackleg plants the previous season.—Prof. D. H. Jones, O. A. College, Guelph.

**How Many Pigs to a Cow?**  
Pigs and cows work very well together as the hog is one of the most economical meat producers on the farm, and does especially well on dairy by-products—skim milk, buttermilk and whey.

The number of pigs per cow will depend on the kind of dairying the farmer is engaged in. If selling milk for direct consumption, for the milk condenser, or for the powder milk factory, there is no by-product, hence it is doubtful if hogs, under these conditions, will pay at all, especially with an uncertain market. Whey, from the cheese factory, will not support so many pigs per cow as will skim milk and buttermilk from the farm dairy, or creamery.

On the average, we recommend one brood sow for each ten cows supplying milk to a cheese factory, and one sow for five or six cows where cream or butter is sold from the farm. If a sow reared 10 or 12 pigs each year, this would work out at from one to two pigs per cow on a dairying farm. There are times when a much greater number than this would be on the farm, as the pigs would be in various stages of maturity. The farmer and successful pig-raiser aims to keep up a regular procession of pigs from the sow to the bacon factory. This plan tends to stabilize markets, prevents the glut which frequently denormalize the bacon business and causes farmers to stay in the hog game, instead of playing "in and out" which is not good for any business.—Prof. H. H. Dean, O. A. College, Guelph.

To time telephone calls a three-minute sand glass that can be clamped to a transmitter has been invented.  
If milk be used to soften shoe polish it will improve the gloss.

# HAD SEVERE COLD AND TICKLING SENSATION IN THE THROAT

This trouble is most distressing, and is caused from a cold that has settled in the throat.

How many people have lost a good night's sleep by that nasty, tickling, irritating sensation in the throat? The dry, hard, cough-keeps you awake, and when you get up in the morning you feel as if you had had no rest at all.

Dr. Wood's Norway Pine Syrup, which is composed of the most soothing and healing, expectorant herbs and barks, combined with the lung-healing virtues of the world-famous Norway pine tree, will give almost instant relief in all cases of this nature.

Mrs. G. C. Routley, Bright, Ont., writes: "I take great pleasure in writing you of Dr. Wood's Norway Pine Syrup.

For several weeks I was troubled with a severe cold, and a tickling in the throat. I tried numerous remedies, but found no relief until I used Dr. Wood's Norway Pine Syrup, which I had heard so much about, and on taking one bottle got instant relief. I highly recommend it to those who need a quick cure."

So great has been the success of "Dr. Wood's" in curing coughs, colds, bronchitis, etc., it is only natural that many imitations have been placed on the market. The genuine is put up in a yellow wrapper; three pine trees the trade mark; price 25c and 50c. Manufactured only by the T. Millburn Co., Limited, Toronto.

# AVOID COUGHS and COUGHERS!

Coughing Spreads Disease SINCE 1870

**SHILOH**  
30 DROPS STOP COUGHS  
HALF TEASPOON FOR CHILDREN

# COMMISSION THE SOLDIERS' AID

Has been incorporated by the Province of Ontario for the purpose of assisting and reinstating discharged officers and men in civil life.

**EMPLOYMENT.**  
We cordially invite the co-operation of the public in the important work of securing employment for soldiers who have been discharged from military service.

**VOCATIONAL TRAINING.**  
Classes for the vocational re-education of soldiers who have been so disabled as to prevent them from resuming their former occupations are provided free of cost, and in addition, the support of the soldier and his dependants is provided during the period of training and for one month after.

Further information as to courses may be obtained from W. W. Nichol, Superintendent of Education, 114 College Street, Toronto.

# RELIEF FUND.

Donations for the assistance of soldiers for the purpose of assisting and reinstating discharged officers and men in civil life.

Head Office: 114 COLLEGE STREET, TORONTO.  
Kingston Branch: 239 BAGOT STREET  
F. H. Godson, Secretary Kingston Branch

# MILLER'S WORM POWDERS

HAVE A WARM PLACE IN THE HEARTS OF MOTHERS FOR THEY HAVE PROVED THAT THEY ARE ONE OF THE MOST EFFICIENT AND BENEFICIAL REMEDIES THAT CAN BE GIVEN TO A CHILD. THEY ARE EASY TO TAKE AND QUICKLY ERADICATE THESE WRETCHED PARASITES FROM THE SYSTEM.

CONTAIN NO NARCOTICS

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YOU CAN renew the life and looks of your car's top for a trifling price and in brief time.

Not a paint, but an elastic durable dressing that becomes a part of the original top material.

You need only a brush, a step-ladder and an 85¢ pint of RUB-R-TITE.

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Refinishes and Re-waterproofs

Refinishes and Re-waterproofs  
Rub-R-Tite for a new top, or the inexpensive RUB-R-TITE—whichever you prefer!  
At all progressive garages, supply and hardware stores, or  
For sale by  
A. CROWN & CO.

# AFGHANISTAN.

Death of Amur Calls Attention to Asiatic Country.

The reported assassination of Habibullah, Amir of Afghanistan, is a reminder that not even that remote and obscure land of Middle Asia escaped the effects of the world war. Not that there is any evidence as yet that the monarch's murder was inspired by the growing antipathy of autocrats, but the collapse of Russia left Afghanistan free from an influence that often caused her considerable embarrassment.

Habibullah is credited with observing scrupulously the policy laid down by his father, a noteworthy ruler, that of consulting Britain about matters of foreign policy, but brooking no interference from the outside in the domestic affairs of his absolute monarchy.

Habibullah's father it was who made travel comparatively safe among the heterogeneous tribes of Afghanistan—tribes which formerly pounced upon each other at the slightest provocation. Frequently they submitted their disputes to arbitration and the custom of the loser awarding several of its marriageable women to the rival tribe was one factor in eliminating any clear-cut distinctions between the tribal units of the land.

To the stranger the Afghan displays a sort of specious and deceptive Oriental courtesy. In fact a national proverb is that "The man who shuts his door to a stranger is no Afghan." But the stranger also would do well to know a saying current among the Hindoos, "God shield you from vengeance of the elephant, the cobra and the Afghan." For many strangers have found that, upon provocation to which the Afghan is extremely sensitive, his disposition is vengeful, cruel and crafty. His desire for pillage; theft and deception also is apt to get the best of him.

Your Afghan is a swarthy, swaggering, bold, but withal prepossessing sort of man, every inch the warrior while he keeps his turban on, but giving a faint suggestion of a bewigged jurist of old English days when he removes it to disclose a head shaved from forehead to crown, with curly ringlets falling about his shoulders from the unshaved portions.

Occasionally the men are fair, as are most of the women, whose hair in two plaits with colored tassels at the end, conceivably might call to mind an American musical comedy chorus prepared to sing "School Days" were it not for their flowing Oriental robes.

Afghan women, like Turkish women, are kept secluded, but they are considerably more adventurous than their Turkish sisters, hence scandal is not infrequent, even in a land where a man may have as many wives as he can support. Amur Habibullah, if report of his death be true, left four widows.

By Habibullah's father, Abdur Rahman, also were enacted measures of national defence singularly in keeping with occidental schemes for conscription. He made the boast that he could throw a hundred thousand men into action in a week to defend one of his provinces, and said his entire domain could raise a million fighting men to defend her soil. Nor did he stop at the prediction. He worked out a system by which each man in every district alternated in taking military instruction. One had to be very young, or very decrepit, to escape the amir's draft, for the services ages were from 16 to 70.

So far as barring private munitions makers is concerned, Abdur Rahman, long before his death in 1901, might have subscribed to the proposed League of Nations, for he had his own factories at his capital, Kabul. There are said to have been produced a dozen or more rifles and thousands of cartridges a day, and several guns a week.

But neighboring states never had much fear of any pan-Afghan aspirations on the part of the Kabul warlord. The arms were most varied and picturesque, and the cartridges are said to have been excellent save that they seldom fitted many of the rifles.

Though he may know not efficiency, the Afghan is a "first-class fighting man," as the British learned in the two Afghan wars. It was at the close of the second, in 1873, that Gen. Roberts made his famous march to Kandahar to reinforce Gen. Burrows, who had been defeated by the Afghans, a feat which was rewarded with the peerage and the title, "Lord Roberts of Kandahar."

Persia, Turkestan, Baluchistan and India surround this inland monarchy with an estimated area of 245,000 square miles and a population, also estimated, of 5,000,000. Afghan historians date their people's beginning to King Saul, and refer to them as Children of Israel, a theory that may have gained popular acceptance because of the Afghans' Semitic appearance, but it is not generally credited by ethnologists. Afghan literature is rich in poetry, mostly war epics and love lyrics. All but the mountain Kafirs are Mohammedan, and they cling to a pagan belief in which are blended faint suggestions of old mythologies and ancient religions.

**Magnetic Separators.**  
Magnetic separators are now being used for the recovery of scrap iron from many kinds of waste material and rubbish. By the aid of such apparatus a great deal of refuse commonly discarded in the neighborhood of steel and iron works can be made to yield a considerable amount of iron—such as 10 per cent, being obtained from refuse from steel works in some cases. Cupola furnace slag is said to give 5 to 15 per cent, and ordinary workshop rubbish from 2 to 10 per cent.

The Leeds, Eng., automatic telephone exchange is said to be the largest automatic exchange in Europe.

An Oregon inventor has patented a folding match scratcher, which can be pinned to any convenient place on a smoker's clothing.  
Rubber tennis courts have been invented by an English sportsman.

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**E. A. McGowan, Sec.-Treas.**

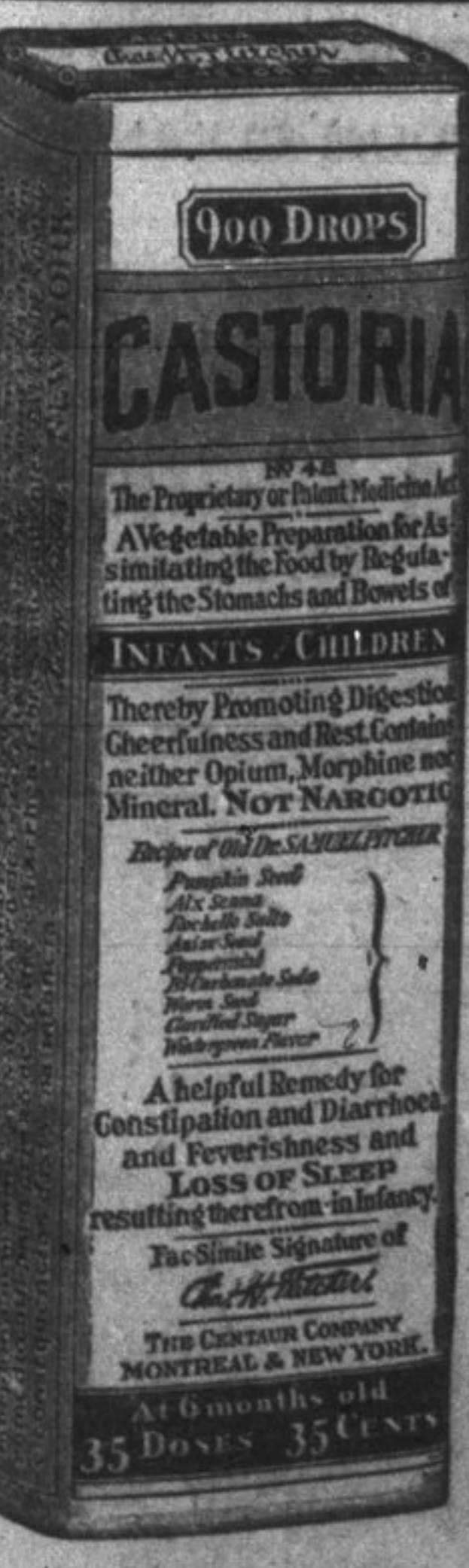
Tractor drawn, a machine invented by a California inventor, levels off rough land as swiftly as the work could be done by 36 horses and 5 men.  
In point of available water power Norway is believed to be the best endowed country in the world.  
Two dentists in Europe claim to have invented a process for casting false teeth in metal with the uniform dentistry that is necessary.  
Space saving is the chief claim for a triangular phonograph to be placed in the corner of a room.

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Thereby Promoting Digestion, Cheerfulness and Rest. Contains neither Opium, Morphine nor Mineral. NOT NARCOTIC.  
A helpful Remedy for Constipation and Diarrhoea and Loss of Sleep resulting therefrom in Infancy.  
The Centaur Company, MONTREAL & NEW YORK.  
At 6 months old 35 Doses 35 CENTS  
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