

Why Not Cut Off the Two Cars of Filler?

It takes 400,000 cars to carry Fertilizers to our farmers every season. Forty per cent. — 2 cars out of 5 — is Filler. Order higher grades and Nitrate of Soda for your active Nitrogen and save freight.

The greater producing capacity of high-grade fertilizers without much filler means bigger out-bound tonnage for railroads and bigger purchases by farmers.

Send for "Cost of Available Nitrogen."

DR. WM. S. MYERS, Director
25 Madison Ave., New York

MICA AXLE GREASE

Has been the standard for years. The mica fills the pores in the spindle. Saves friction, wear and money.

Dealers Everywhere

The Imperial Oil Co., Limited



CLOVER SEEDS

Government Standard

	Per Bus.
No. 1 Red Clover	\$16.00
" 2 Red Clover	15.50
" 1 Alsike	12.50
" 2 Alsike	11.00
" 1 Alfalfa (Northern Grown)	16.00
" 2 Timothy	5.50
(This seed grades No. 1 for Purity)	
" 3 Timothy	5.00
White Blossom Sweet Clover	15.00
O.A.C. No. 72 Oats at	\$0.85
Marquis Spring Wheat at	1.60
O.A.C. No. 21 Barley at	1.25

Terms—Cash with order.

Bags extra at 25c. each. On all orders East of Manitoba of 125.00 or over we pay the freight.

We Guarantee Seeds to Satisfy or ship back at our expense. Ask for Samples if necessary.

Todd & Cook
Seed Merchants
STOUFFVILLE ONT.

a cow conceives and her uterus becomes sealed, which occurs within thirty days after conception, the fate of the pregnancy is sealed. If the uterine cavity is clean and the seal normal, the pregnancy is assured against essentially all dangers, but, if infection exists within the uterus, abortion, premature birth or retained afterbirth may ensue. If the infection is present, accident or bad feeding may increase the probability of disaster.

There is no cure for abortion. When it breaks as a storm in a herd of pregnant cows and heifers, it will in its course, and the extent of the disaster can be known only when pregnancy has terminated in the last animal. In many outbreaks the phenomenon of abortion is virtually absent, but in its place many animals have retained placenta, sometimes mild, sometimes severe, ruining the cow for one milking period and often leaving her temporarily or permanently sterile. In rare cases the inflammation of the uterus with retained afterbirth assumes a highly virulent type and many cows in a herd may die or be ruined.

Carbolic acid, methylene blue, abortion vaccines and other alleged remedies of various kinds have been used. Many secret nostrums are advertised to cure sterility and abortion, but each is worthless. If any one of them could cure abortion, the disease would be on the decrease, but it increases.

Quarantine Useless.

The quarantine of aborters has always failed, and must continue to fail, because it merely removes an animal which shows one symptom, abortion, and leaves all others showing such symptoms as sterility, retained afterbirth and other evidences of the same infection. The removal of all infected animals would commonly involve all the herd. Quarantine is misleading and generally harmful. A quarantined animal is usually a shamefully neglected animal. Quarantine does not and cannot affect materially the prevalence of abortion. A contagious disease cannot be controlled by taking one infected cow which has aborted out of a stable of twenty cows, when the other nineteen already have the same infection. Even were the other nineteen cows free from the infection, our researches indicate very strongly that there is no material danger of the spread of the disease through ordinary contact and that we may practically ignore all exposures to the infection except the contaminated milk fed to calves and the sexual contact in animals of breeding age. If the aborter or cow with retained afterbirth has a decidedly repulsive discharge from the uterus or is otherwise very ill, she should be removed from the dairy as a means of common decency, but not directly for the purpose of controlling abortion.

The disinfection of the stable and of gutters, so profusely recommended for the control of abortion, is good stable hygiene, if well done in conjunction with physical cleanliness, but it will not directly stop or lessen contagious abortion. The infection which is caused by abortion as retained afterbirth is in the uterus of the cow, not in the stable gutter and it cannot be reached unless the cow is aborted or calved, and then it can be reached only by invading the uterine cavity itself and removing the retained organs.

To be concluded in next week's issue.

Rondres have been the cause of much property damage. If one is necessary have it well removed from buildings and wooden fences, and be leaving it make sure it is thoroughly extinguished.



The No. 25 O.K. Potato Planter

On the Fence?

"Potatoes! Well, I dunno." That's the attitude of hundreds of farmers throughout the country, whose dubious about planting this year.

Yet their experience of last year was chiefly due to poor cultivation. Hundreds of farmers who had installed O. K. Potato Machinery and looked after their crops carefully, had excellent success, and the high prices this winter have enabled them to clean up a tidy fortune on their potatoes.

Order a No. 25 O. K. Planter now and put in a big acreage of potatoes. You can plant four acres with this machine in the same time as one before, and it drops a seed on every hill in finely worked soil. The seedling in even rows that are easy to cultivate. The O. K. Planter fertilizes and fills in on the same trip. It's a winner from every angle.

Our Free Book "Money in Potatoes" treats every phase of potato growing. Write for it NOW.

OK CANADIAN POTATO MACHINERY

CANADIAN POTATO MACHINERY CO., LIMITED,
493 Stone Rd., GALT, ONT.

Send FREE—"Money in Potatoes."

NAME

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Get in Close!

Use an extension head disk harrow and live up every tree.

Orchard tillage pays as big as field tillage—especially where it is carried close. Note the illustrations below—see how the cultivation extends beyond the team and under the low limbs. Here you have the orchard tool of unsurpassed efficiency—the

Cutaway
CLARK

Extension Head Orchard Harrows

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They have CUTAWAY CLARK's cutaway disk, forged sharp. Close up into a regular harrow for field work. Light in draft. The single action is reversible. If your dealer has not the genuine CUTAWAY write to us direct. Be sure to write for our new free book, "The Soil and Its Tillage." Get your copy now.

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