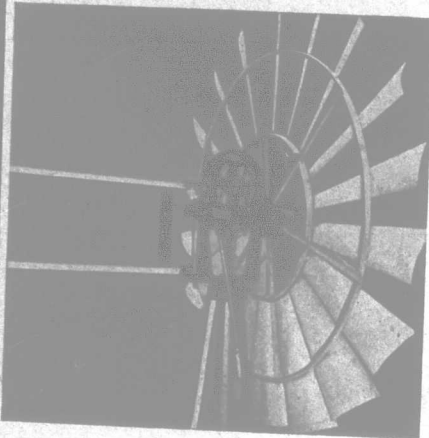


Dominion Well Supply Co., Ltd.

Cargill, Ontario.

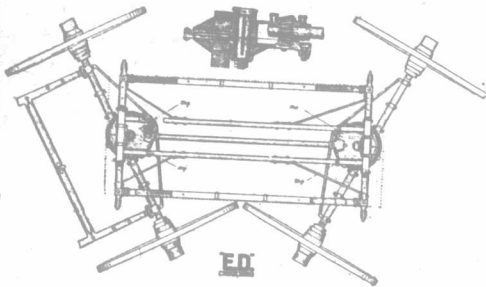
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The best Wind Engine
in Canada.

Satisfy yourself as to the truth of the above statement at our stand at Toronto Exhibition, or at our works, Cargill, Ont., before buying. We know you can't help yourself, you must buy. Everybody is looking for the best—you are a part of everybody.

'E. D.' SHORT TURN GEARS



We are the only firm that have the sole and exclusive right to manufacture these gears in Canada.

Opportunities come very seldom in life. Don't miss this one. It is on our stand at the Toronto and London Exhibitions. Have it explained and demonstrated to you. We are confident of your action afterwards.



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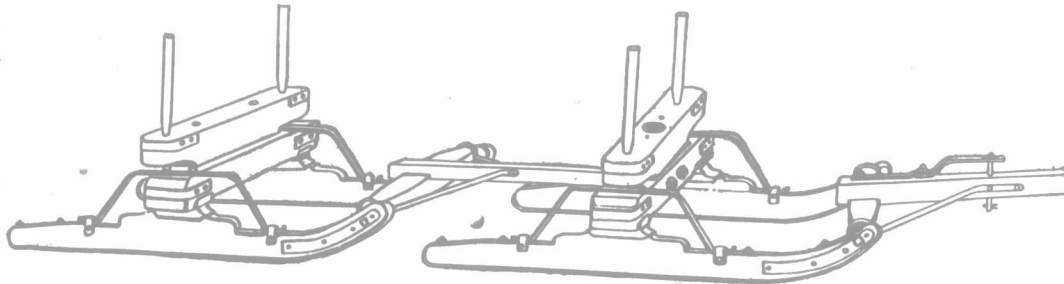
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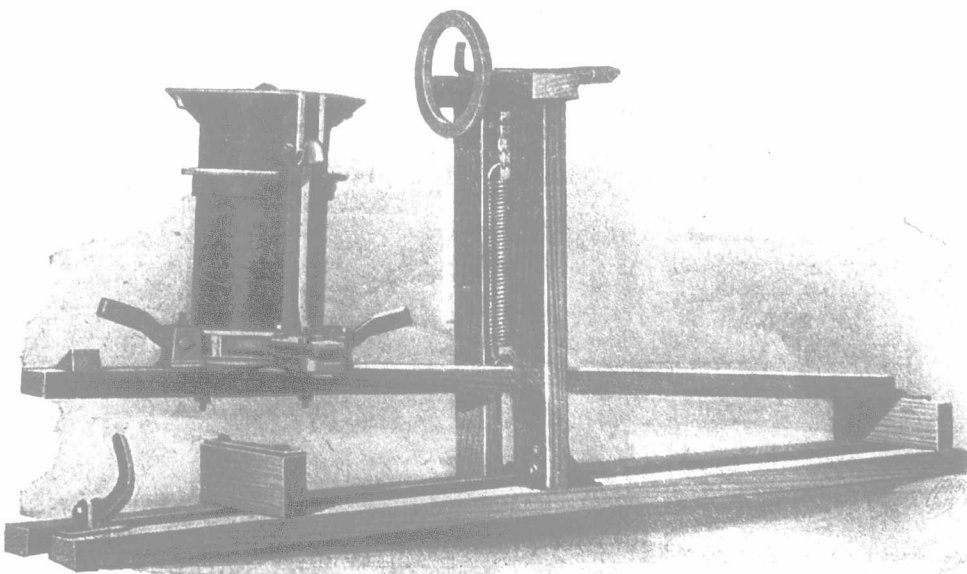


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QUESTIONS AND ANSWERS. Miscellaneous.

WATERPROOFING CONCRETE.

Would you advise putting pitch in cement to keep down dampness?

J. S. B.

Ans.—We would not advise putting pitch in cement to make it waterproof, but it might be applied to the outside as a surface coating if desired. Plastering with a rich mortar might be preferable, however. Hydrated lime may be added to the dry cement mixture in the proportions of 1 of lime to 20 of cement. A great deal can be done by merely using the ordinary materials, making a very rich mixture, say, one of cement to four of clean gravel, or as near that as economy will allow.

ROCKET.

Find enclosed a plant which I found when cutting a piece of barley, which I seeded to alfalfa last May. This is a new weed entirely to me. Let me know what it is.

J. N.

Ans.—The weed is rocket, a hairy annual, somewhat resembling wild mustard. Dark purple veins on the lobes of the corolla of the flower distinguish it. The pods are shorter than those of wild mustard, stand upright on the stock, and have a broad, flat beak. The seed is olive-brown in color, and a bitter taste. Pull or cut it to prevent seeding. As it belongs to the mustard family, it should never be allowed to mature its seed.

CHICORY, NOT RAGWEED.

Will you kindly tell me, through "The Farmer's Advocate," if the enclosed plant is ragweed? If not, does ragweed resemble this?

E. W. S.

Ans.—The enclosed plant is not ragweed, but chicory. The two weeds do not resemble each other at all. Chicory is a deep-rooted perennial, with bright blue to purple flowers. It is a coarse-growing roadside weed, which yields readily to cultivation. Ragweed is a coarse, branching annual, with much-cut-up leaves, smooth above and downy beneath. Flowers are very small, cup-shaped, nodding, stamens yellow, pistil purplish.

ARSENATE OF LEAD FOR POTATOES.

I used arsenate of lead this summer for potato bugs, as it was recommended by our representative from Guelph. It did not kill them, but I noticed they did not lay eggs on the ones sprayed. I followed directions on tin—a little stronger, if anything. Please give me some particulars as to the strength it should be.

C. H.

Ans.—Arsenate of lead, $3\frac{1}{2}$ pounds 40 gallons water, should kill your potato bugs. This, it will be noted, is considerably stronger than the mixture used for spraying trees. If you used these proportions, and took pains to dissolve the arsenate in a little water before putting it into the barrel, you should have had satisfactory results.

Hail Insurance in Austria.

The business of hail insurance is transacted in Austria only by national and Hungarian institutes, 17 in all. Taking account of their form of organization, they may be divided into four national societies limited by shares: 10 mutual institutes (7 large mutual institutes and 3 local societies) and 3 Hungarian Societies limited by shares. The societies limited by shares seem to be extending their business most widely. From the statistical tables, we see that hail insurance tends to spread more and more among the farmers of the Empire, although, when we consider a long series of years, we see that the increases in the number of policies and in the amount insured are somewhat inconstant and irregular. This depends on the irregularity of the risk of hail itself, sometimes long periods pass, without any devastating hailstorm to be reported, and farmers, trusting in the continuance of this, are indisposed to insure.

These premiums tend to increase, probably in consequence of the heavy hailstorms that have lately been more frequent and more violent.