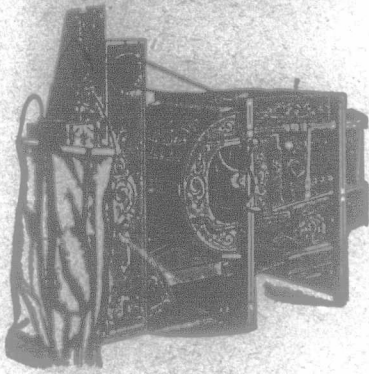


INCREASE YOUR GRAIN CROPS 20%



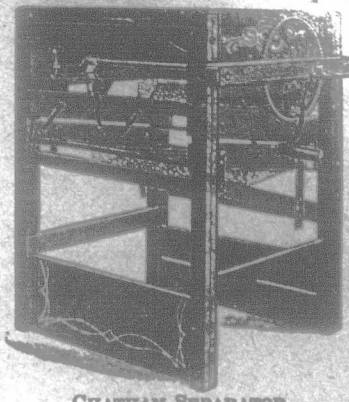
CHATHAM FANNING MILL.
Capacity, 40 to 80 bushels per hour.

The Earth Will Yield It Up If You Sow Good Seed.

The Chatham Fanning Mill is the most perfect invention in existence for cleaning and grading seeds and grain. Its use on hundreds of thousands of farms in Canada and the United States and in all the grain-raising countries in the world proves its absolute merit. Capacity, 40 to 80 bushels per hour, and 16 screens supplied, which adapt it to every natural use. It cleans the grain and sorts it into all kinds and sizes and insures

PURE, PLUMP, HEALTHY SEEDS

absolutely free from weeds, a gain of fully 20% in the crops and a great reduction in labor. Bagging attachment will save labor of one man.



CHATHAM SEPARATOR
For separating Oats from Wheat

PRIZE AWARDS at World's Fair, St. Louis; Pan-American, Buffalo; World's Fair, Paris, France; Toronto, Winnipeg, Halifax, Charleston, Savannah and Jacksonville.

Only One Example

Mr. O. E. Perkins, of Hallsport, N.Y., got \$550 more for 1,000 bushels of wheat than his neighbor did, by cleaning it with his Chatham Mill and selling it for pure seed at \$1.25 per bushel, against 70 cents per bushel which his neighbors received in the market.

Chatham Separator, for separating Oats from Wheat illustrated above is indispensable to those who want to thoroughly separate oats from wheat. It is used for this purpose only, and is operated with practically no effort.

Guaranteed for Five Years

Every Chatham Fanning Mill and Chatham Separator is guaranteed to give satisfaction for five years, and our easy payment system will enable either one to earn its cost many times over before the bill is fully paid.

We also sell the Chatham Incubator on very easy terms. Write now before you forget it; a post card will do.

THE MANSON CAMPBELL CO., LIMITED, Dept. 201 CHATHAM, CANADA

Alberta Customers supplied from Calgary, Alta. John I. Campbell, Agent. Manitoba, Assiniboia, Saskatchewan supplied from Brandon, Wm. Alwell, Agent. British Columbia supplied by Theo. Elliott, New Westminster. Nova Scotia and New Brunswick supplied by G. S. McPherson, Halifax.

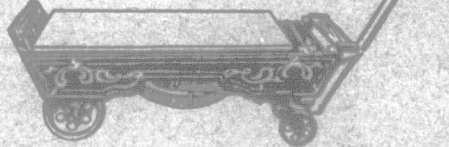
Chatham Farm Scale

is a necessity to every farmer who wishes to know how much he buys and sells. It is standard weight, guaranteed by the Canadian Government, and is made in 3 styles, capacity, 2000 lbs.—2-wheel truck scale, 4-wheel wagon scale and 4-wheel wagon scale, high beam.

Simplest and handiest scale made; drop a lever and it becomes a strong truck, raises a lever and you have an accurately adjusted, perfectly constructed farm scale. When the lever is dropped no weight or wear comes on knife edges of the scale, an advantage which no other farm scale possesses.

Sold also on easy-payment plan

Five Years' Guarantee



CHATHAM FARM SCALE, CAPACITY 2000 LBS.
Also Two Other Styles.

Inoculating the Ground.

In the whole history of agricultural science there is nothing that illustrates the power of mind over matter more forcibly than the discovery most graphically described under the above title in a recent Century Magazine. In its present practical form, this method of making arid land fertile is the invention of Dr. George T. Moore, of the United States Department of Agriculture.

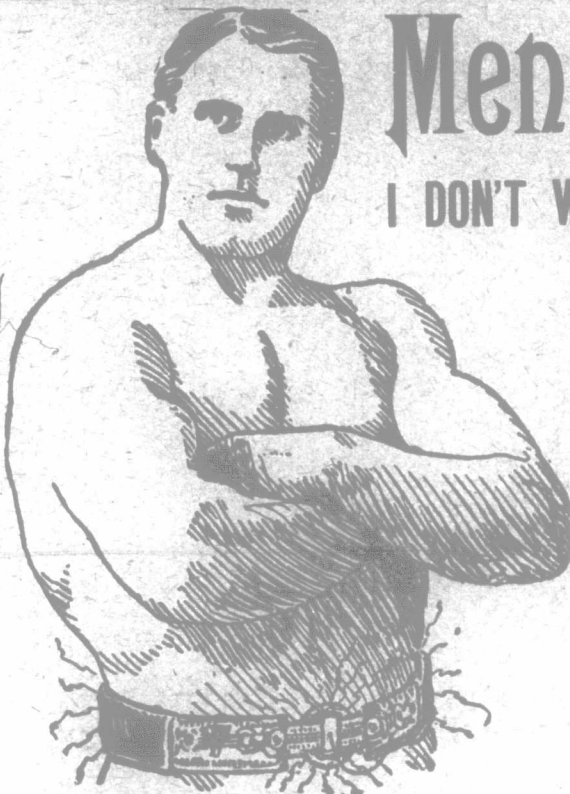
Briefly described, this inoculation is a way of putting into the soil the nitrogen of the air. When soil is worn out, it is because it has lost its plant food—nitrogen. Fertilizing in the ordinary, expensive methods, adds new nitrogen. But why is it that certain crops "enrich" the soil, while others exhaust it? Why is it that a rotation of crops improves the soil, as every farmer knows?

Some years ago a German chemist discovered that a certain class of plants—peas, beans, clover, alfalfa, lupin, vetch, and the like—gained nitrogen food, not only from the earth, but from the air, seven-tenths of which is pure nitrogen. This takes place in a curious way: The plants have on their roots nodules or tubercles, varying in size from a pin-head to a potato; these growths, long regarded as useless excrescences, are, in fact, made up of millions of bacteria, and it is their singular function to absorb nitrogen from the air and convert it into plant food. Thus, a field planted with alfalfa, may not only yield a good crop when the soil itself is lacking in nitrogen, but after the crop is gathered there may actually be left more nitrogen in the soil than it had before.

Now, what Dr. Moore has found is a way of cultivating and strengthening these nitrogen-absorbing bacteria, until he has developed a type of hungry germs, with five or even ten times the capacity of their ancestors. Moreover, plants exposed to these improved bacteria develop larger tubercles, drink in great draughts of nitrogen from the air, and prosper exceedingly. The farmer gets the bacteria in convenient form from the Department of Agriculture, soaks his seed in a dilution, or "inoculates" the soil by mixing the solution with earth, and spreading it over the soil and harrowing it in.

Of course the process is applicable only to plants of the class named above—not to grain or other non-leguminous crops; of course, also, the process is useless in soil already well supplied with nitrogen. The results have been in many cases amazing. For instance, of two specimens of alfalfa grown by a Maryland farmer—one from rich soil with untreated seed, the other from sandy upland with inoculated seed, the latter is more than double the size of the former. Still more striking is the fact that this same Maryland farmer has redeemed by this method two-thirds of his land, previously abandoned as hopeless, and has made it more productive than the other third, increasing his total gain fivefold.

If the true producer is he who makes two blades of grass grow where but one grew before, the discoverer of this wonderful process must take a high place in that rank.—[The Outlook.



Men, Here's an Offer I DON'T WANT YOUR MONEY TILL I CURE YOU.

You've doctored and doped till you are sick of it all.

You would pay for anything that would give you back your old vim. You don't want to pay out any more money till you are sure.

I will cure you first and you can pay me afterward. Is that fair? Then get in line.

I know what I can do, because I've done it, and am doing it every day. I'm sure the Electricity is the life, and that I can restore it where it's lost. So if you need what I offer, and don't want to risk my price, I'll take the chances and cure you first and then you can pay me.

Now, I can't cure everything. I don't claim to, and I won't take a case that I don't feel sure of, but all these troubles which come from an early waste of vitality, from dissipation of any kind, from decay of nerve power, or from any organic, stomach, liver or kidney weakness, I can cure, and those are the cases I am willing to tackle and take the chances on.

I'm curing them every day. Here are a few men who recently answered "Cured":

CHAS. COESANT, Masonville, Ont., cured of Kidney and Urinary Troubles, as well as Weakness.

HENRY WEEKS, Tillsonburg, Ont., cured of Rheumatic Pains, Constipation, Sleeplessness, and General Debility, is now strong and vigorous.

Tell me where you are, and I'll give you the name of a man in your own town that I've cured. I've got cures in every town. That's enough. You need the cure. I've got it. You want it. I'll give it to you or you need not pay me a cent. All I ask is reasonable security. Come and get it now.

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Dear Sir,—Please forward me one of your Books, as advertised.

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It is reported that on a recent occasion when Arthur Balfour, Joseph Chamberlain, Lord Charles Beresford and the Japanese minister were dining out together, Mr. Balfour, who was standing treat, asked Mr. Chamberlain what he would have.

"Thanks, I'll take Scotch, Arthur," was the response.

"And what will you take, Lord Charles?"

"I'll take Irish, Arthur."

"And what will you take?" addressed the Japanese minister.

"I'll take Port Arthur, thanks," was the answer.

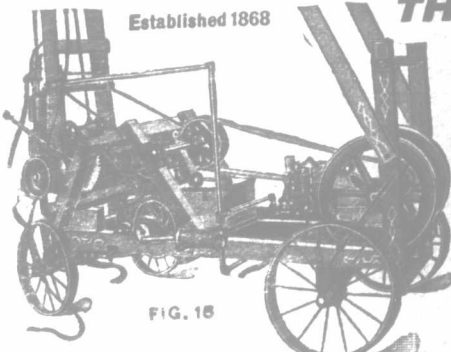


FIG. 15

THE AMERICAN WELL WORKS,

Aurora, Illinois, U. S. A.
Chicago, Ill. Dallas, Tex.

MANUFACTURE FULL LINE

Jetting, Rotary, Coring, Rock
Drilling and Prospecting
Machinery.

Any Diameter or Depth. Strong
and Speedy.

CATALOG MAILED ON REQUEST.

HIRAM'S SCHOLASTIC DISTINCTION.

Caller: "How is your son getting along at college, Mrs. Suddencymer?"

Motherly old soul: "Hiram's doing first rate. He's taking a special study this term. He writes me that he's the receiving end of the best battery in the college line. That's something in the electrical line, isn't it?"

To hold rigidly to the path of high purpose, to do our best rather than to do what is easiest, calls for the exercise of all of manhood's finest abilities.—Watchman.

On receiving any advertisement on this page, kindly mention the FARMER'S ADVOCATE.