

# ONTARIO

GRAIN AND FERTILIZER

## DRILLS

M. P. WHITEHIGHT & SONS, INC.

ONTARIO  
DRILL CO

FACTORY AND MAIN OFFICE  
EAST ROCHESTER, N. Y.  
U. S. A.

# ONTARIO DRILL CO.

## FEATURES OF ONTARIO HORSE DRAWN AND TRACTOR DRILLS

Built of best material by skilled workmen and very well finished.  
Strong and durable to stand the hardest usage.

Wood Bed Piece on Frame, which absorbs shocks and adds greatly  
to life of drill.

High grade gray iron and malleable castings used throughout. No  
cheapening of construction by substitution of steel stampings.

Hoppers are built of wood, which cannot be attacked by rust and  
corrosion of fertilizer as is the case with sheet steel.

Easy draft is assured by perfect balance, proper alignment and use  
of roller bearings.

It has the most accurate, even sowing double force feed distributor  
of any drill on the market. Will sow beans, corn, peas, etc., with-  
out using special distributors.

Fertilizer Feed is simplest and most accurate ever built. Easy to  
clean and take care of. Different from other "Star Feeds".

All speed mechanism driven by spur gears, not bevel gears, giving  
a wide range of positive quantities.

Power Lift for Tractor Drills is strong, rugged and quick-acting.

Wheels are properly designed and well built, with wide tires and  
large surface hub bearing. Steel wheels are furnished on Tractor  
Drills.

# ONTARIO DRILL CO.

Special attention is called to the **simplicity** of the **ONTARIO**. This is first apparent when setting up—it does not take an expert—and later, when working in the field it is especially noticeable. Complicated mechanism is often the cause of breakage. The mechanism of the **ONTARIO** is plain, simple, and easily understood.

By reason of this simplicity and the true mechanical arrangement of the parts, great strength is obtained. This strength is further augmented by having many parts of steel and malleable iron. Where cast-iron is used, such parts are heavy and strong at straining points.

It is well known that thin sheet steel is easily attacked and destroyed by rust and corrosion, particularly when exposed to the action of fertilizers. For this reason we use heavy cast iron for hoes, end-plates, distributors and all fertilizer mechanism parts, and wood for all hoppers.

## **LIGHT DRAFT—PERFECT BALANCE**

Here again the simple construction is brought into prominence, for in a very great measure lightness of draft is due to simplicity of driving mechanism. But further than this, axle is heavy enough to support drill without bending; the wheels have a broad tread; the hubs have not only long bearings, but what is of more importance, support the weight of the drill over their centers; the axle boxes have roller bearings; there are few bearings and they are bored true. All larger sizes, from 11x7 up, are built with center axle boxes with extra roller bearings.

The hitch is located at a point beneath the pole, on a line which passes through the hame staple and the average point of resistance of the hoes or discs in the ground, and the drill being well balanced, there is no neck weight. Tractor Drill hitches are built of high-carbon steel angles and can be adjusted to any make of tractor.

It is due to the perfect combination of all these features in the **ONTARIO** that in lightness of draft it excels any drill in the world of recognized merit.

# EAST ROCHESTER, N.Y.U.S.A.

**COMBINED (GRAIN AND FERTILIZER)**

**BACK ROLLER HOE DRILL**

**Built both as a Combined or Plain Drill.**



**The most popular and best adapted style of horse-drawn hoe drill for most sections in the Eastern portion of the United States.**

On the back roller style of hoe drills the hoes are raised and lowered by means of a wooden roller with short center lever and chains—a method that has never yet been excelled. In lifting the hoes the purchase is applied right; no dead center. The chains allow the hoes to be raised separately, and with perfect ease, by the operator—a feature which is thoroughly appreciated by the practical farmer.

One of the oldest types of drills; but not “old fashioned,”—this style has survived because of its many advantages,—Simplicity,—Convenience,—Lightness, and Strength. For most farming sections where Hoe Pressure is not required, it cannot be excelled.

Unlike the all-steel frame in general use, on all Ontario Drills the bed piece of the frame is wood; lighter and stronger than steel; it absorbs instead of transmits vibration. Rack and strain are thus avoided and the life of the machine prolonged.

The back roller style can be supplied with Tractor Hitch and foot-board, but not with Power Lift.

# ONTARIO DRILL CO.

COMBINED (GRAIN AND FERTILIZER)

HOE PRESSURE DRILL

Built in All Sizes.



In many sections the character of the soil or the methods of farming make the HOE PRESSURE STYLE desirable.

The **ONTARIO HOE PRESSURE DRILL** has the pressure mechanism in the rear, instead of in front of the body, which gives many advantages of handiness and efficiency that the operator will appreciate.

The pressure is applied directly over the hoes (see cuts on page 16), permitting the use of long, flexible springs. This results in more freedom of action of the individual hoes than can be obtained when pressure is applied in front of and at some distance from the hoe, where a shorter spring is necessarily used.

The press-rods are equipped with handles. As the pressure required is usually slight each individual hoe can be raised to free trash.

Hoe Shifter mechanism is geared at both ends and gives an extreme zig-zag of eight inches. Draw bar clips are of malleable iron and are bolted on, so that they may be moved laterally when desired.

# EAST ROCHESTER, N.Y. U.S.A.

## COMBINED (GRAIN AND FERTILIZER) SINGLE DISC DRILL Built in All Sizes.



The **ONTARIO DISC DRILL** embodies all the special features of our Standard Hoe Drill, excepting discs are used instead of hoes. It has the same broad tread wheels, the same accurate grain and fertilizer feeds, the same heavy axle, the same simple speed devices, the same accurate grass seeder and land measure, and the same light draft.

The pressure is applied directly over the discs by means of a pressure bar and lever, located at the rear of the drill. From this rear position the maximum amount of pressure is obtained with the least amount of mechanism. See illustration on page 16.

The new **ONTARIO Lifting Lever** is a genuine and much appreciated improvement. It has a square plunger of ample size, which fits into deep sockets on quadrant. Wear is practically eliminated, and accidental dropping of Discs is absolutely prevented. The Lever also has the added advantage of **FOLDING** when desired. This allows the Lever to be folded back out of the way when Discs are raised, a feature that is very convenient when drill is to be stored away.

The discs on the single disc type are set at the correct angle for opening the seed bed, and the shield holds this furrow open until the seed has time to be deposited at its bottom. The drag chain then follows and covers the seed at uniform depth. No extra space between center discs. (General description continued on next page.)

# ONTARIO DRILL CO.

## PLAIN SINGLE DISC DRILL

Built in All Sizes.



All Discs, both Single and Double, are lubricated by means of the ALEMITE-ZERK System. Fittings are readily accessible and easy to reach with the compressor. DISC BEARINGS are of hard, chilled iron, and very long wearing. They are dust-proof at either end.

The hub is fastened to the disc, and fits into a bushing placed in the boot. The bushing and disc may be removed by simply taking out one bolt.

The disc is provided with dirt scrapers on each side, which are made of spring steel. They conform to the curve of the disc, and keep its surface constantly clean.

The draw-bar is a single piece of angle iron. It is securely bolted to the head bar at the front of the frame, and to the disc at the lower end. See illustration on page 16. It has the required strength for standing the side strain, and as it is a single piece of steel, no matter how trashy the field may be, none of the trash is picked up.

# EAST ROCHESTER, N.Y.U.S.A.

COMBINED (GRAIN AND FERTILIZER)

## DOUBLE DISC DRILL

Built in All Sizes, both as a Combined or Plain Drill.



Same general construction as the Single Disc Drill described on pages 5 and 6.

Especially adapted for side hill work, and where soil is loose, sandy, wet or trashy. Not recommended for hard soil.

The Hoppers of all drills are made of carefully selected well-seasoned, kiln-dried lumber, put together in a workmanlike manner. The grain hopper of the smallest drill (8x8 or 9x7) holding two bushels, and the fertilizer hopper being of considerably larger capacity.

# ONTARIO DRILL CO.

## ONTARIO TRACTOR DRILLS Simplicity Accuracy Strength

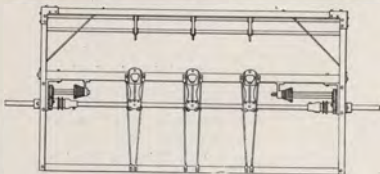


15x7 Single Disc Fertilizer Drill with Power Lift

The rapid increase of power farming has created a demand for a simple, accurate and rugged Tractor Drill designed for the particular needs of the Eastern farm. For many years the **ONTARIO** Drill has been an acknowledged leader of the horse-drawn field in the East. We now offer a line of Tractor Drills, in which the simplicity, accuracy, and easy draught of the **ONTARIO** have been combined with greatly increased strength whenever needed to withstand the arduous demands of Tractor use.

The tested mechanical features of the **ONTARIO** have been preserved, with the same accurate Grain Feed, and the same dependable Everett Fertilizer Feed.

**Increased Strength** is assured by heavier construction throughout. Main Axle is  $1\frac{1}{2}$ " cold drawn steel, High Carbon Steel frame angles are 40% heavier, Bed Trusses are  $\frac{1}{2}$ " diameter, Extra Axle Supports with roller bearings properly support the extra weight, and the whole frame is well braced. Axle clutches, gears and clutch collars are heavier and stronger.



Tractor Drill Frame, showing bracing and axle supports

# EAST ROCHESTER, N.Y. U.S.A.

## ONTARIO TRACTOR DRILLS



15x7 Spring Hoe Pressure Fertilizer Drill  
With Tractor Hitch—Power Lift—Marker

**Wheels:** Steel Wheels with heavy concave four-inch tires are used. They are of ample strength to support the weight of large drills and to stand up under tractor service. Rubber Tires on special quotation.

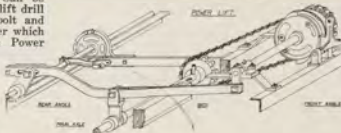
**Hitch:** A heavy steel angle tractor hitch, adjustable to various heights to fit any standard tractor. Any **ONTARIO DRILL** may be equipped with three or four-horse hitch instead of tractor hitch if so ordered.

**Foot Board:** An extra attachment furnished, when ordered, at a low price.

**Marker:** An automatic marker that can be operated from Tractor seat. Easily adjustable for various conditions. This is an extra attachment, supplied only on order.

**Sizes:** 14 x 7, 14 x 8, 15 x 7, 16 x 7. Pin or Spring Hoe Pressure Styles, Single or Double Discs. Plain Drills on special order.

**Power Lift:** A well designed, rugged lift, operating from tractor seat with a rope, embodying a well tested plow-lift principle. Throws out clutch as it lifts in less than half turn of ground wheel. Discs or Hoes drop, and feeds are thrown in gear almost instantaneously. Always raises to same height, but pressure can be easily varied. Can be changed to a hand lift drill by removing one bolt and attaching hand lever which is furnished. The Power Lift is supplied as an extra attachment at a moderate cost when so ordered. Cannot be furnished for Back Roller (chain lift) drills.



# ONTARIO DRILL CO.

## ONTARIO IMPROVED DOUBLE FORCE FEED DISTRIBUTER

Accurate

No Skipping

No Choking

No Bunching



### A POSITIVE FORCE FEED.

Fifty years of experience has demonstrated that the Double Force Feed Distributer stands without an equal.

One channel for Wheat and small grains.

The other for Oats and large grains.

**BUT** a double distributor must be built **right**.

The force must be obtained from the wheel.

The wheel and case must be free from abrupt angles.

The seed must have free access to the wheel.

Then, and not till then, is evenness of flow obtained.

The **ONTARIO** has just this kind of a distributor.

Our standard drills sow 26 positive quantities.

Quantities ranging from 2 pecks to 6 bushels.

All kinds of seeds from Flax to large Peas and Beans.

No special distributor required to sow sufficient quantities of Corn, Beans, Peas, Beets, etc. Just increase the speed, that's all.

# EAST ROCHESTER, N.Y. U.S.A.

## ONTARIO DOUBLE RUN FORCE FEED GRASS SEEDER (Detachable).



The grass seeder has double run force feed distributors, the same as the grain feed. It is placed on front of the drill body where it is out of the way of the fertilizer. Metal spouts are supplied with every seeder which enables the seed to be sown either in front or behind hoes or discs. (See cut above.)

It is accurate and durable, with wide range of quantities, and is easily adjusted to sow the quantity desired. Kernels of other grains do not stop its flow.

The grass seeder, like grain and fertilizer feeds, is driven by positive spur gears.

### CONDUCTORS

Unless otherwise specified all drills are equipped with Rubber Conductors.

Years of experience and continual experiment have convinced us that a good rubber tube is the best conductor obtainable, all things considered. We supply the best Rubber Conductor that can be had; it is of ample size to prevent clogging, durable, will keep its shape, and is easily replaced.

The Spiral Ribbon Steel tube, used by some drill manufacturers, costs less to make; but this type of conductor is so easily pulled out of shape, and will rust so quickly, that it is not satisfactory.

Metal Telescoping Conductors have many favorable points, and will be supplied instead of Rubber when so specified with order.

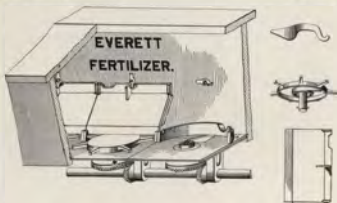


# ONTARIO DRILL CO.

## THE FERTILIZER FEED THAT EASILY LEADS ALL OTHERS

Invariable Feed Channel

Variable Speeds



### THE ONTARIO (Everett) FERTILIZER FEED

The Everett Fertilizer Force Feed has become so thoroughly well known and so widely recognized as the best device for sowing fertilizer yet invented, that any lengthy description of its construction or any detailed claims as to its work are no longer necessary. It is the only genuine force feed on the market.

The revolving prongs cut a stream off the under side of the body of fertilizer, and carry all that may be massed between them through the **invariable feed channel** made by the cut-off plate, producing a stream of fertilizer which never changes in size. The quantity sown is regulated wholly by the speed with which the feeders revolve; their speed being governed by the device described on page 14. Beyond the cut-off plate the fertilizer is carried to a **large discharge opening**.

The vital, basic principles of this feed are the invariable feed channel made by the cut-off plate, and the securing of the different quantities desired by changing the speed of the current of the stream, as it were, instead of changing the size of the stream or channel.

Fertilizers vary greatly in make-up and consistency. But by changing the speed of the flow or current, accuracy and positiveness are maintained in spite of this fact. A result that can be obtained in no other manner.

Modifications of this feed, so numerous in recent years, which substitute a variable feed channel (a gate feed) for this invariable one, in an effort to lessen the cost of speed gearing, therefore sacrifice these vital principles and destroy the efficiency of this famous feed. In the prime essentials of accuracy and positiveness they will be found sadly wanting.

# EAST ROCHESTER, N.Y. U.S.A.

## THE ONTARIO FERTILIZER FEED IS BETTER,—Because :—

It is the strongest constructed feeding device built.

It is the only feed that will sow commercial fertilizer when lumpy, hairy or pasty.

It will sow any variety of fertilizer with greater positiveness and accuracy than any other feed.

It will sow equally well up hill, down hill or on side hill, as on the level, with the ground rough or smooth.

Its parts are few and simple and can be easily removed and replaced when it is desired to clean the metal bottoms.

## QUANTITIES

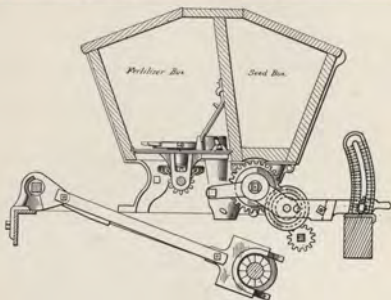
Our standard drills sow from 100 to 450 lbs., or from 150 to 650 lbs. of standard fertilizer per acre, as ordered. By means of reversible back plates these quantities may be increased about one third.

**Ashes Attachment:** At a small additional cost we can supply a special set of feeders and back plates which will sow from 300 to 1200 lbs. of Fertilizer per acre. This attachment is especially desirable when fitting land for potatoes, cabbage, onions, etc., where the amount of work to be done does not warrant the purchase of a special Fertilizer Distributer, such as our model 36 Fertilizer Sower. (See Pg. 20-21.)

**Small Quantities:** Modern fertilizer practice shows a tendency toward the so-called "high content" fertilizers, the proper application of which demands a mechanism that will distribute evenly and accurately in small quantities. The Everett Fertilizer device is particularly accurate on small quantities, and we can supply feeders to sow as low as 25 lbs. per acre when so ordered.

# ONTARIO DRILL CO.

## GRAIN AND FERTILIZER SPEED DEVICES



Quantities are regulated by Speed Devices.

One for grain, one for fertilizer, but both alike.

If you break a gear on one device, take a gear from the other and finish your seeding.

Spur gearing only is used.

Nothing is left to chance. Everything is positive.

The easiest and most effective method of regulating quantities yet devised.

It is all in plain sight and needs no explaining; it is self-adjusting, not a screw is used. It is simple, mechanical, and effective.

No wheels to be added or removed; no loose gears to be carried around or lost. Changes in quantity are made by simply pushing the desired quantity gear to place where it is held by yoke with ratchet and wing nut.

By the use of spur gear only, end thrust is avoided. What this means in the usual bevel gear type of speed device may perhaps be indicated by a quotation from a prominent manufacturer of seeding machines, as follows: "What is the main trouble with speed devices?" "It is the eternal, never finished adjustment of the sliding pinion to keep it running in the right row of cogs."

# EAST ROCHESTER, N.Y. U.S.A.

All mechanisms, including the Grain and Fertilizer Speed devices, the Grass Seeder, and the Land Measure, are driven by **CLUTCHES** located on the main axle. These clutches are operated by sliding wedges connected with the lifting lever or roller, and engage instantly, without lost motion. When hoes or discs are raised all mechanism stops at once, when hoes or discs are lowered sowing starts immediately without any lagging or skips. Gears are not disengaged by operation of clutch, so that setting of drill remains undisturbed.

**FRAMES** are made up of high carbon steel angles, with hard wood bed piece, see cut on page 8. Corner irons are of tough steel, and any of the parts may be replaced in case of a runaway or accident, which cannot be done with a one-piece frame. The wood bed piece is an important feature because it allows a measure of elasticity and resilience that is impossible with a rigid steel frame, thus avoiding breakage and increasing the life of drill.

**AXLES** are of cold drawn steel: the horse drawn drills have axles of 1 3/4 inch diameter, and the large tractor drills of 1 1/2 inch diameter. They are continuous, not being divided in the center, and all the mechanism is driven by either wheel.

## ATTACHMENTS

### BEEET HOO



The Beet Hoe, with chilled extension point and adjustable follow wheels may be used on any type of drill. Depth of planting can be very exactly controlled, which is particularly valuable in planting beets, beans, spinach and similar crops. In connection with this Beet Hoe we have several different groups of special leaders and attachments which make it possible to control the placement of fertilizer on each side of the seed but not in contact with it. We will be pleased to forward information on any specific problem on request.

**Oats Agitator:** This is a simple and effective attachment which prevents seed from bridging over distributor, and is used mainly for bearded or rust-proof oats, beets, spinach, etc. It is inexpensive and is supplied on special order.

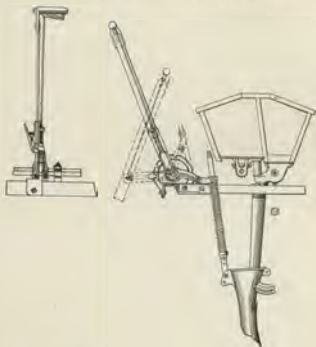
**Foot Board:** May be secured with any **ONTARIO** Drill at a small extra cost.

**Tractor Hitch:** Built of heavy high carbon steel angles for any **Ontario** Drill, and to fit any standard tractor.

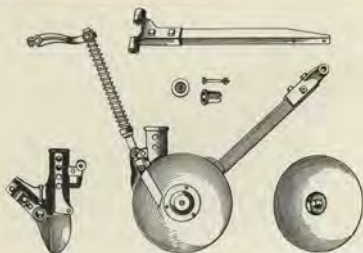
**Power Lift:** May be secured with any Hoe Pressure or Disc Drill at a moderate extra cost. See description of this lift on page 9. Cannot be supplied with Back Roller type drills.

# ONTARIO DRILL CO.

## HOE PRESSURE AND DISC DRILLS



Illustrations  
showing the  
Rear Pressure  
Mechanism and  
Lifting Lever  
Identical for both  
Hoe and Disc  
Drills.



# EAST ROCHESTER, N.Y. U.S.A.

## REAR PRESSURE

The point where press rod joins the hoe, is on a line with the draw-bar fastenings. This permits the hoe to work in the same manner as when pressure is applied forward of the hoe.

The press rod enters the grooves at rear of hoe and holds it in an upright position. "Staggering" is thus obviated.

The handle on each press rod allows individual hoes to be raised at pleasure.

The hoes or discs are raised and lowered by a roller bar at the rear of the drill.

The lever which operates this roller is located at the center of the drill.

The twisting of this roller is thus practically obviated.

The same lever applies the pressure and regulates the depth.

The new Folding Lever is not only a real convenience; but because of its design will wear indefinitely without trouble, and cannot get out of adjustment.

The lifting and pressure mechanism located at the rear, places it immediately under the eye of the operator, and where adjustment of pressure springs can be easily made.

It is just where your hand may be placed upon it instantly.

It takes the weight off the horses' necks and gives the drill a perfect balance.

It applies the pressure directly over the discs or hoes.

A helper spring in connection with roller bar on all disc drills makes lifting the discs from the ground comparatively easy.

Covering or drag chains always supplied with all disc drills.

# ONTARIO DRILL CO.

## THE BEST HUB EVER PUT ON A GRAIN DRILL

The Hub is built right.

Note the long projection extending **into** the hub cap.

Note the length of the bearing.

And then note that the bearing is **on each side of the hub**.

This results in the weight of the drill being supported over the **center** of the hub.

This lessens the draft, reduces the wear to a minimum and prevents the wheels coming in at the top.

Each hub contains two pawls, thus the axle starts the instant the drill moves forward.

Each and both of the ground wheels are drivers, so that the whole mechanism moves when turning.



## WHEELS

Wood wheels are correctly designed and very well built. The rims and spokes are selected oak and hickory. Tires are heavy, especially straightened tire steel and are cold set by hydraulic pressure. Wheels supplied with drills 11x7 and smaller have 3 inch tires: larger horse drawn drills have 3½ inch tires.

Steel Wheels are very heavy and rugged, with 4 inch concave tires, and are regular equipment on tractor drills, with 1½ inch axle. We can also supply steel wheels for the smaller sizes on special order at additional cost.

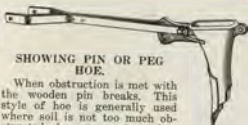


## LAND MEASURE

The Land Measure is simple and strong and does not get out of order. It accurately measures the acres and fractions of acres sown, and is easily set at the nothing mark.

# EAST ROCHESTER, N.Y. U.S.A.

## SPRING AND PIN HOES



**SHOWING PIN OR PEG  
HOE.**

When obstruction is met with the wooden pin breaks. This style of hoe is generally used where soil is not too much obstructed by stumps or fast stones.

The hoes are of an improved pattern which allow the conductor at all times to take a perfectly natural position. They will not cramp the conductor, no matter what position the hoe may take.



**SPRING HOE.**

Showing self-acting spring hoe in normal position and also its action when meeting an obstruction. The bother of replacing broken pins is avoided in this style.



Showing how the pitch of spring hoe is regulated for deep or shallow sowing by putting the lever in any one of three notches without loosening a nut or bolt.

The spring hoe is certain in operation and its tension is strong enough to tear up corn stubble. All hoes are fitted with double reversible points, and give that most desirable feature—a broad seed bed.

# ONTARIO DRILL CO.

## MODEL 36 FERTILIZER SOWER



12x8 Model 36 Fertilizer Sower—Front View

We believe this machine to be the most accurate and practical Fertilizer Distributor on the market. For more than twenty-five years the **ONTARIO Style "B" Fertilizer Sower** has been deservedly popular among large users of fertilizer, and the **MODEL 36 SOWER** has been designed to retain all the exclusive features of proved merit of the Style "B" Sower, and to add many improvements that our long experience in the field has shown to be desirable.

As in **ONTARIO DRILLS**, the famous **Everett Force Feed** is used. (See Pg. 12-13). It has been convincingly demonstrated many times that this mechanism employs the only correct principle that will give a true Force Feed. There are no variable openings depending on gravity, but the change in quantity is obtained solely by change of speed. Hence, a constant ratio of delivery is maintained regardless of the weight or condition of the fertilizer used. No other type of mechanism can be depended on to do this. Model 36 is simple, strong, and very easy to clean, whereas other types are complicated and very difficult to keep in good shape.

Among the many improvements in the **MODEL 36 SOWER** are the following: **Balance**—Hopper is located directly over axle, preventing pole whip or neck weight. **Wheels**—Regularly equipped with heavy steel wheels, with five inch concaved tires, to support sower in soft ground or muck. **Capacity**, has been increased so that sower will cover long bouts without refilling. **Height**, in spite of greater capacity, the machine has been lowered so that it is only about 42 inches high. **Lid**, is of new design and is full opening. It also provides a back or shoveling board for loading sower from a truck.

# EAST ROCHESTER, N.Y.U.S.A.

## MODEL 36 FERTILIZER SOWER



12x8 Model 36 Fertilizer Sower  
Rear View, Showing Tubes  
and Folding Lid

**Tubes**, are flexible rubber, which assures long life and freedom from breakage. They deposit fertilizer close to ground, thus avoiding blowing, and each tube is equipped with an efficient spreader. **Center Axle Support** on the larger sizes, and improved bracing for operation either as a horse drawn sower or with tractor. The above and many other mechanical improvements, coupled with a high grade of workmanship, material and finish, produce an efficient and accurate Fertilizer Sower, which with reasonable care will last for many years.

### SPECIFICATIONS

**Axle:** Heavy cold drawn steel, running in roller bearings. Center supports on larger sizes.

**Frame:** Angle Steel with wood bed piece.

**Wheels:** Heavy steel wheels, diameter 32 inches, with 5 inch concaved tires.

**Feed:** Force feed, same as on ONTARIO DRILLS. Quantities regulated wholly by spur gear speed device.

**Quantities:** Fourteen different speeds. From 500 to 2400 lbs. per acre, based on two pounds to the quart. Feeders to sow less than 100 lbs. can be supplied on special order.

**Sizes:** 6 - 8 - 9 - 11 and 12 tubes (8 inches apart). The 8 x 8 size tracks six feet; the 11 x 8 size tracks eight feet.

**Capacity:** Hoppers hold approximately one bushel for each tube. The 8 x 8 holds eight bushels, the 12 x 8 holds twelve bushels, etc.

**Hitch:** Equipped for tractor or horse drawn operation, as ordered. Horse drawn Sowers are supplied with thills, or with pole, eveners and neck yoke.

**Land Measure:** (except on 6 x 8 size) Correctly measures acres covered.

# ONTARIO DRILL CO.

## ONTARIO LIME SOWER

Style "H"

Style "G"



Front View, 16 x 6 Style "H" Lime Sower with Horse Hitch

The **ONTARIO LIME SOWER** has been justly popular for more than thirty years. It is sturdily built of good materials and may not be fairly compared with cheaply constructed Sowers which have very short life. It is well finished and painted, as are all **ONTARIO** products. With average care it will give good service for many years and should greatly outlast the cheaper sowers.

The Lime Sower is intended to sow bulk material, such as hydrated or ground rock **LIMESTONE**, **ASHES**, **LAND-PLASTER**, **COTTON-SEED MEAL**, etc. The simple mechanism is a gravity feed, consisting of an agitator revolving over a variable opening, carrying feed rods to keep material from bridging. Quantities are changed by varying size of opening. It cannot truly be called a force feed, as it is termed by many manufacturers, but it provides an excellent method of distributing materials such as listed above, where exact accuracy is not essential. We do not recommend this machine for accurate sowing of fertilizers, particularly in small amounts. If much of this work is to be done it is better to use our Model 36 Fertilizer Sower described in preceding pages, which is a true force feed sower and which will do an accurate job. The **ONTARIO** Lime Sower, however, will distribute fertilizer as well as any machine with a feed of this type and can be employed to good advantage where the main work is the distribution of Lime, etc., with only occasional fertilizer sowing.

**STYLE "H" LIME SOWER** is equipped with clutches to throw the mechanism out of gear, operated by a handy lever at either end of sower.

**STYLE "G" LIME SOWER** is identical with Style "H" except that it has no clutch and is shut off only by the center regulating lever.

Both types have a continuous axle and are driven by either ground wheel.

We now equip Lime Sowers with heavy steel wheels with wide concave tires. The box has been lowered, and the material is delivered closer to the ground.

# EAST ROCHESTER, N.Y.U.S.A.



## LIME SOWER SPECIFICATIONS

**Axle:** Cold drawn steel,  $1\frac{1}{8}$  inch diameter. Runs entire length of machine, and all bearings are fitted to it.

**Frame:** Hard wood, securely bolted and braced.

**Scatter Board:** Suspended beneath axle, adjustable to various angles. Scatters the lime before it strikes the soil.

**Wheels:** Heavy steel wheels, 32 inches in diameter and with 5 inch concave tires. Will support the loaded sower in soft ground or muck.

**Feed:** Gravity gate feed. Revolving prongs, six inches apart, directly over variable discharge openings. Different quantities are obtained by changing size of opening by means of a slide moved by center lever. Quadrant on slide has twelve notches.

**Quantities:** Twelve different quantities, with approximate range of from 150 to 2500 quarts per acre, depending on weight and consistency of material.

**Sizes:** 9 x 6 size—has  $4\frac{1}{2}$  foot hopper and tracks about six feet. Weight about 400 lbs.

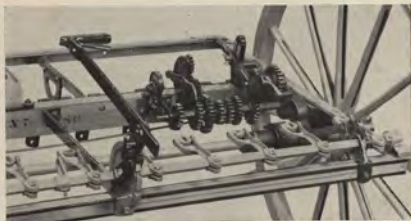
12 x 6 size—has 6 foot hopper and tracks about eight feet. Weight about 480 lbs.

16 x 6 size—has 8 foot hopper and tracks just over ten feet. Weight about 540 lbs.

**Capacity:** The 9 x 6 holds about 6 bushels, the 12 x 6 about  $7\frac{1}{2}$  bushels and the 16 x 6 about 10 bushels.

**Hitches:** The 16 x 6 size usually equipped with two-horse hitch, pole, eveners and neck-yoke. The 9 x 6 and the 12 x 6 sizes will be furnished either with two horse hitch complete, or with thills for one horse. Any of the sizes will be equipped with Tractor Hitch when so ordered. Always be sure to specify exactly which hitch is wanted when ordering.

# ONTARIO DRILL CO.



Countershaft with quantity gears and detail of frame, showing grain speed device—grass seeder gear stand—land measure—folding lever.

## GENERAL SPECIFICATIONS

ONTARIO DRILLS are made with seven or eight inch spaces only, in all commonly used sizes and types, either Plain Drills or Combined Grain and Fertilizer Drills.

## STOCK SIZES

Standard Construction (With  $1\frac{3}{4}$  inch axle)

Six to thirteen Hoes or Discs—Eight-inch spacing.

Eight to thirteen Hoes or Discs—Seven-inch Spacing.

Heavy Construction (With  $1\frac{1}{2}$  inch axle)

14 x 7 — 15 x 7 — 16 x 7 — 14 x 8

## HOE DRILLS

Pin or Spring Hoe.

Back Roller or Hoe Pressure.

Horse-drawn drills in any of the above sizes or types are equipped with poles, neck-yokes, and whiffletrees for two, three or four horses, as ordered.

Tractor Drills in any of the above sizes or types, but Power Lift can be used only on Hoe Pressure or Disc Drills.

## DISC DRILLS

Single Disc.

Double Disc.

## REPAIR SERVICE

Farmers are and should be interested in knowing something about the repair service on the tools they buy. Because of the fact that we have specialized on Grain Drills since 1901, we can and do give better, quicker, and cheaper service on repairs than is usual with other manufacturers. All orders receive prompt and expert attention at a moderate cost.

## ONTARIO DRILL COMPANY

Main Office and Factory

East Rochester, New York

YOU WILL SELL MORE **ONTARIOS!**



**ONTARIO DRILL COMPANY**  
BALTIMORE, MD.

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THE ONTARIO DISTRIBUTES LIME FROM 75 TO 1200 LBS. PER ACRE.  
HOE OR DISC



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