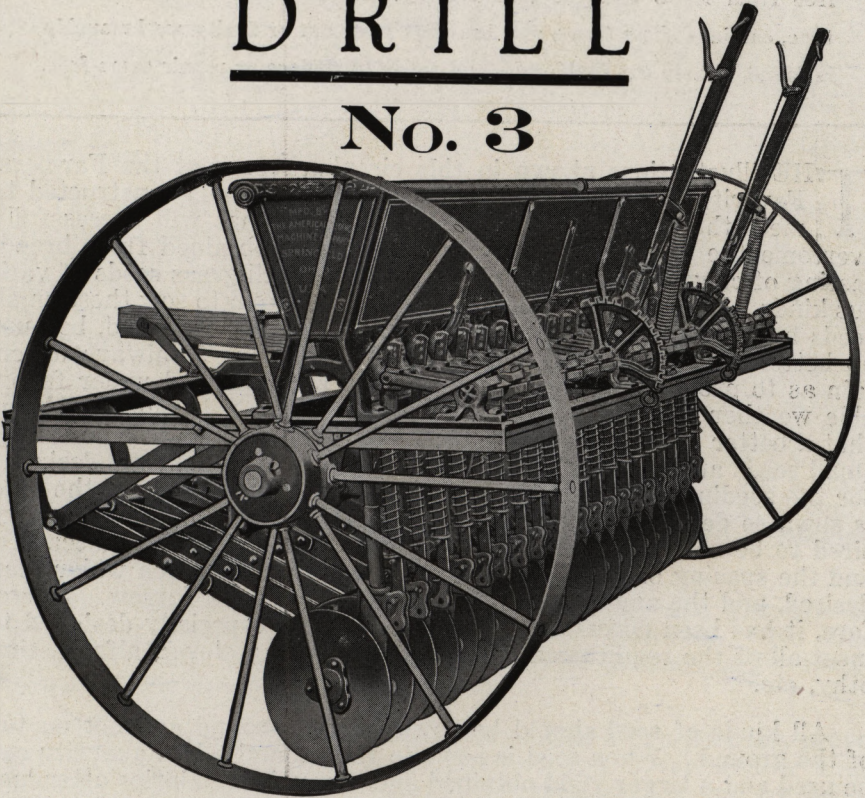


Farmers' Favorite

Alfalfa and Grass Seed

DRILL

No. 3



Sows Hemp Accurately without Cracking Seed

MANUFACTURED BY

The American Seeding-Machine Co.

Incorporated

SPRINGFIELD, OHIO, U. S. A.

The Farmers' Favorite Alfalfa and Grass Seed Drill

WARRANTY

We guarantee the Alfalfa and Grass Seed Drill to be of first-class material and workmanship, and we guarantee the castings to be free from flaws and the disc bearings not to wear out. If, at any time, castings show flaws, disc bearings wear out or faulty workmanship is found, clearly our fault, we stand ready to replace or repair same free.

THE illustrations shown in this circular represent the Farmers' Favorite Alfalfa and Grass Seed Drill, which is constructed to meet the demand for a seeding machine that will successfully overcome the expensive and uncertain results obtained from broadcasting of clover, timothy, alfalfa and other small grass seeds of various kinds. It has always been the universal custom to sow these small seeds by broadcasting them upon the surface of the ground, because no better method seemed available. Broadcasting is always uncertain as to productive results, can only be accomplished under favorable weather conditions, and is so wasteful of seed, time and labor that a better method of seeding has long been desired. When these small seeds are sown by the ordinary grain drill, which was designed for the seeding of larger grains in deeper furrows, much of the seed is sown so deep it never comes up. Furthermore, the quantities desired to be sown were difficult to obtain and frequently inaccurate, and the spacing of the discs on the large drills was much wider than desired, and the angle of the disc opened too wide a furrow. Therefore, it has been necessary to construct a drill especially designed to meet all of the requirements of properly seeding clover, alfalfa, timothy, etc.

All kinds of seed should be sown IN the ground and not on top of the ground. When seed is sown in the ground a less quantity can be used and a larger yield obtained and many uncertainties attendant upon the practice of broadcasting are entirely overcome. A stronger and healthier plant is always obtained by sowing the seed in the ground. So great is the loss by broadcasting, caused by the washing away of the seed by rain, the ravages of birds, wind blowing away the seed and the deadly effects of drought and hot sun upon the young plants that ordinarily many times the quantities necessary are broadcasted in order to obtain a questionable stand under most favorable conditions. The farmer who broadcasts not only pursues the most expensive and laborious method of seeding, but having completed his broadcasting faces uncertainty as to results. In the quantities usually sown in broadcasting of clovers, an average of 66 clover seed are deposited upon each square foot of ground, this being many times the amount necessary to procure a satisfactory stand, provided the correct method of seeding is pursued, and indicates the enormous loss

The Farmers' Favorite Alfalfa and Grass Seed Drill

of seed wasted by broadcasting. With the Alfalfa and Grass Seed Drill all the seed is sown in furrows of any depth desired, these furrows being spaced four inches apart, and the discs set at just the right angle to make a perfect furrow for small seeds. By depositing the seed in a furrow a less quantity may be sown, as all loss from rain, birds and winds is eliminated. The plant obtains a stronger and better root and is then able to withstand the hot sun and drought. A quicker stand and faster growth is assured, as the opening of the furrow loosens up the ground and the seed germinates more quickly. **THE YIELD IS THE THING OF THE GREATEST IMPORTANCE AND MOST DESIRED AND CAN BE SUCCESSFULLY OBTAINED IN A MORE CERTAIN AND INCREASED QUANTITY AND AT LESS EXPENSE BY THE USE OF THE ALFALFA AND GRASS SEED DRILL.**

The Alfalfa and Grass Seed Drill has been designed and constructed to meet every requirement for the proper seeding of alfalfa, clover, timothy, etc., under all the conditions that may prevail in the various sections of the country, during the seeding season. So great have been the results achieved by the use of this drill by thousands of farmers, we positively state that no one **CAN AFFORD TO FARM WITHOUT** this money-saving, crop-producing implement. Money is saved in the beginning, because the seed being sown in an efficient manner, less seed is required, and a more certain and better stand is obtained. In wasteful broadcasting you **OCCASIONALLY CATCH A STAND**, while by the use of this drill you are sure to get a stand. **Results prove that a heavier and surer stand from less seed can be procured with the Alfalfa and Grass Seed Drill than can be obtained by any other method.**

Our construction has been tried and proven, and you are not taking any chances on an experiment or an imitation. No other implement made will save as much money or produce larger results than the Alfalfa and Grass Seed Drill.

In the following description of construction every part is a proven and necessary feature of successful alfalfa and clover seeding under all conditions. The Drill is made of best materials and by skilled workmen, and is simple, accurate and easy to operate. Especial attention is called to the description of construction following:

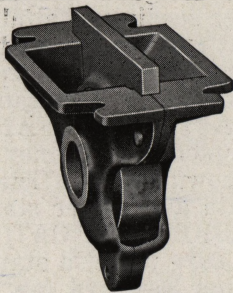
THE FRAME. The frame is made of one piece of high-carbon angle steel, bent cold at the corners which are then reinforced with heavy steel corner plates. The steel is not heated, because it would become decarbonized and soft. An angle bed rail is built into the center of the frame. This construction makes the Steel Frame as strong as a railroad bridge, and yet it does not add an ounce of surplus weight. By making the Frame of angle form, the hopper and all other attachments are fastened direct without employing extra castings. The construction of the Frame is acknowledged to be the best and strongest used on any grain drill.

The Farmers' Favorite Alfalfa and Grass Seed Drill

THE AXLE. The frame is mounted upon a cold rolled steel axle 1 5/16 inches in diameter, and **EXTENDING THE ENTIRE LENGTH OF THE DRILL**, affording great strength, and makes **BOTH WHEELS CONTINUOUS DRIVERS**.

THE WHEELS. The drill is mounted on 40-inch extra heavy staggered spoke steel wheel having 3-inch tires. The hub of the wheel is equipped with spring ratchet cap by means of which the drill will only seed when going **FORWARD**, and **EACH WHEEL IS A DRIVER**. The drill can be backed at will **WITHOUT** running the feed device.

THE HOPPER. The hopper is mounted upon the frame and is constructed of the best woods that will not warp, twist or leak seed and has a capacity of 2 1/2 bushels, and is rain-proof. Equipped with two feed rods, and either ground wheel will drive all the **FEEDERS**. Either half of the feeders can be instantly shut off without stopping the drill or lifting the discs, by a simple, never-failing throw-out device.

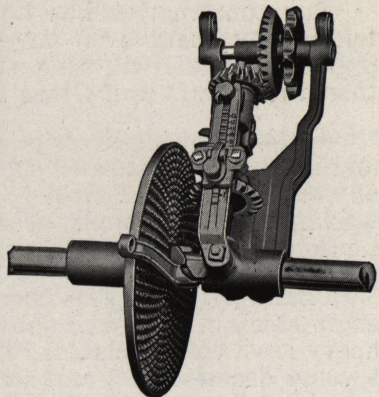


THE FEED. The Alfalfa and Grass Seed Drill is equipped with a specially designed and constructed double run force feed type of distributor which will accurately sow in any quantity desired all kinds of Clover Seeds, Alsike, Alfalfa, Hemp, Millet, Hungarian Millet, Timothy, Red Top Fancy, Kentucky Blue Grass, Flaxseed, Wheat, etc., correctly and without any leakage.

A variation of quantities, from three pounds of small seed to two and one-half bushels of wheat per acre, is obtained through the Unit Change Speed Gear, a combination of a thirteen-row disk wheel, sliding pinion, double bevel pinion and gear drive. This device is solidly mounted in a frame as a unit, with the final drive from the counter to the feed shaft by sprocket wheels and chain. This method gives extreme accuracy of sowing, one turn of any feed wheel sows the same as another. Quantities are changed by varying the speed by means of the Change Gear.

LEVERS. Two lifting and pressure levers are provided, each lever carrying 10 discs and each lever is independent of the other. Our Grass Seed Drills have the lightest lift and the strongest pressure of any grass seed drill made. The fact that this drill

has double levers enables the user to set one-half of the drill to sow one depth, and the other half another depth. This is most important in seeding hillsides, as it enables the user to so set the pressure that the seed is all sown at an even depth and insures all furrows being evenly covered.



The Farmers' Favorite Alfalfa and Grass Seed Drill

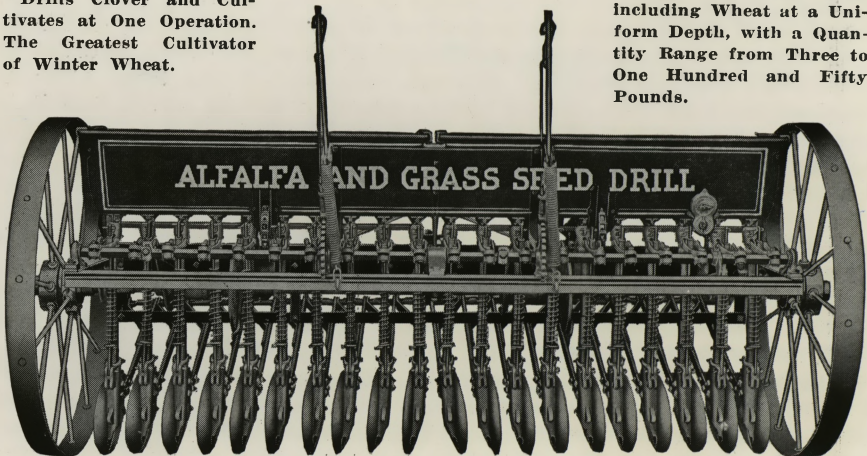
THE DISC FURROW OPENER. The disc furrow opener is perfect in design and construction, and is an excellent working device under all conditions. **THE ANGLE OF THE DISCS CAN BE READILY CHANGED** to meet any ground condition, without taking off a single part, and it will not choke or fill up. To be able to change the angle of the discs is of the greatest importance, and the different conditions of the soil require a different pitch of the discs, in order to accomplish perfect seeding. The Alfalfa and Grass Seed Drill is equipped with twenty 10-inch discs, spaced 4 inches apart, and it is upon the construction of the disc boot used on this drill to which we call particular attention. See detailed cuts on page 7. The disc boot is attached to a high carbon steel drag bar, which prevents the disc from wobbling when running in hard ground, and thereby avoids the scattering of seed outside the furrow made by the discs. The discs are set at such an angle that the seed can be sown in a furrow of any desired depth and all of the seed will be deposited in the bottom of the furrow. Pressure can be applied on top of each disc boot independent of any other so that the discs will not only be forced into hard ground, but each disc will make its furrow in uneven ground so that no seed is sown on the surface. The bearing of the disc boot is both mud and dust proof; and the bearings being made of chilled iron, will never wear out. They are equipped with dust-protected screw-plug oilers; and one oiling, in most cases, will last an entire season. The bearings are of our celebrated "Take-Apart" construction and can be readily opened at the will of the operator. Easily accomplished by the removal of only three bolts. No rivets to cut. This bearing has never been known to give trouble or wear out. The bearings are absolutely guaranteed not to wear out. The discs turn like the wheels of a wagon on the bearings that are fastened to the hanger part of the disc boot, instead of having the bearing fastened to the disc. The disc shield is of steel, opened from the bottom of the boot to lower edge of disc. This shield keeps all trash and dirt from interfering in any manner and therefore insures the seed being deposited at a uniform depth in the ground and in the bottom of the furrow.

SURVEYOR. Each drill is equipped with a land surveyor or measure which will accurately measure the amount of ground seeded, is very simple in construction, and registers correctly. It automatically stops measuring when you stop seeding.

The Farmers' Favorite Alfalfa and Grass Seed Drill

Drills Clover and Cultivates at One Operation. The Greatest Cultivator of Winter Wheat.

Plants all small seeds including Wheat at a Uniform Depth, with a Quantity Range from Three to One Hundred and Fifty Pounds.



The best machine manufactured for sowing **Hemp**. Positively will not crack the seed

In broadcasting one bushel of red clover to 6 acres of ground, an average of 66 seed is sown on each square foot.

Drill your clover seed in winter wheat. The drill will cultivate the wheat, increasing the yield from 4 to 8 bushels per acre, save half the clover seed and secure a better stand than when broadcasted. Five pounds of Red Clover to the acre is sufficient to produce a heavy stand when sown with the Alfalfa and Grass Seed Drill.

Renew your old alfalfa fields, pastures and meadows with the Farmers' Favorite. Increase your forage and hay tonnage.

Saves its cost in seed alone, to say nothing of the increase in yield.

There are 15,000 alfalfa seeds in an ounce; 18,000 red clover seeds in an ounce. How much expensive seed do you waste in broadcasting?

Absolute force feed. Sows Alfalfa, Blue Grass, Alsike, Red Top Fancy, Millet and Hungarian Millet, Timothy, Flax Seed, Hemp, Wheat, etc. without leaking and in any desired quantity.

No seed is wasted with the Farmers' Favorite. It is all sown in the deepest part of the furrow—where the moisture insures quick germination.

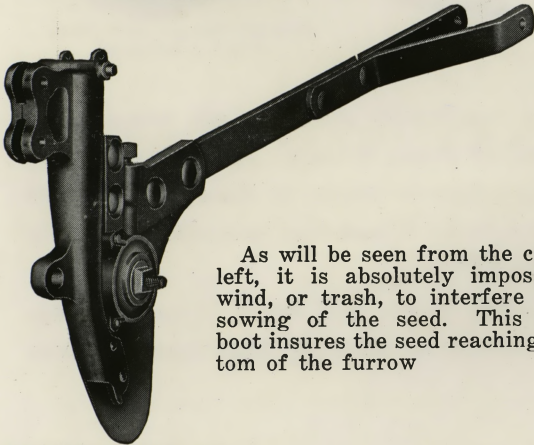
Broadcasting requires twice as much seed—and the results are uncertain

The Farmers' Favorite Alfalfa and Grass Seed Drill

**Convex Side of Alfalfa
and Grass Seed Drill
Single Disc**

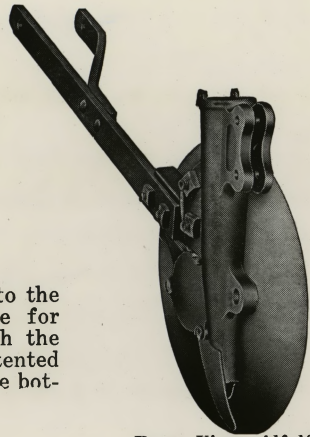


The following illustrations show this admirable furrow opener in detail. The bearing is the "Take-Apart." Warranted for the life of the Drill. Replaced FREE if it ever wears out. Removing only three screw-bolts allows user to take bearing apart. No rivets to cut.



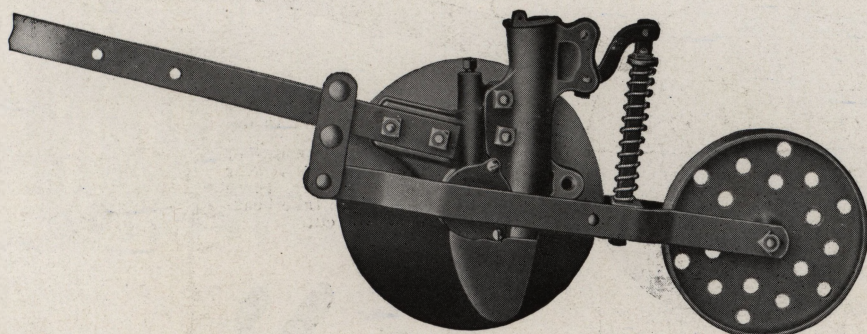
**Side View of Boot and
Shield with Disc removed**

As will be seen from the cut to the left, it is absolutely impossible for wind, or trash, to interfere with the sowing of the seed. This patented boot insures the seed reaching the bottom of the furrow



**Rear View Alfalfa
and Grass Seed
Drill Single Disc
and Shielded Closed
Delivery Boot**

The Farmers' Favorite Alfalfa and Grass Seed Drill



Furrow Opener with Press
Wheel Attachment

On special orders and at a reasonable price, we are prepared to furnish this Drill with Independent Press Wheels. Each Press Wheel is attached independently to each furrow opener in the manner shown in the engraving below. Every Press Wheel has independent Spring Pressure and "tracks" with the disc.

With these special combination Gauge and Press Wheels the operator is enabled to gauge the depth of planting, thus insuring even planting.