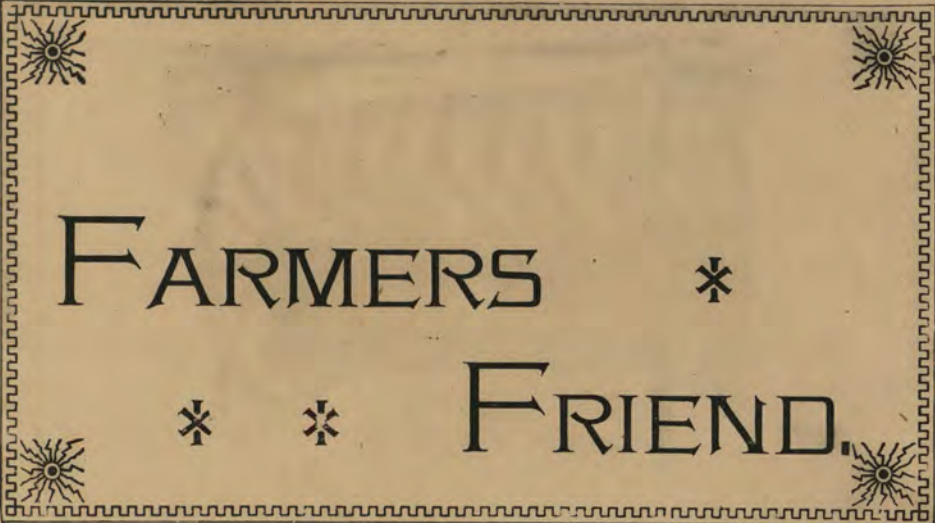
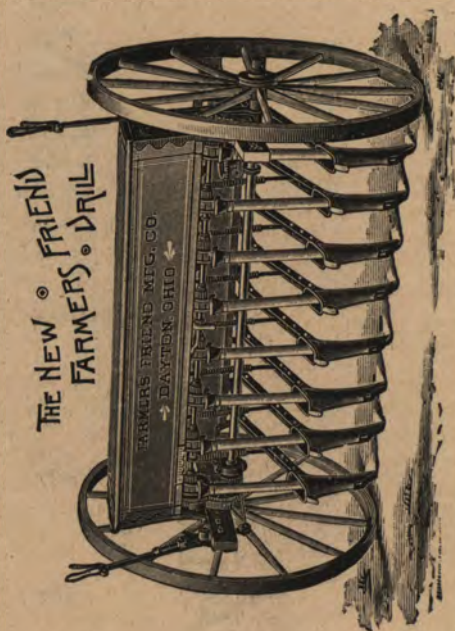




FARMERS



FRIEND.



The **Big Things** are the fine feed, the double shifter, the low hitch, the short frame, the easy lift, the clutch drive wheels, the clutch gear, the perfect balance and fine appearance.

The **Feed** is of the adjustable kind, and is set to sow any quantity by merely moving a lever. (Cut inside.)

The **Double Shifter**, means two shifter bars, to each of which one half the drag bars are attached. The lever at the left moves these in opposite directions, so half the hoes move forward and half backward in shifting them.

The **Low Hitch** means that the bars which hold the drag bars, set under the frame, and the team is hitched to them so the line of draft is straight and direct.

The **Short Frame** takes all the weight from the horses' necks, is open in the rear, and lets the hoes come back where trash between them can be stepped on.

The **Easy Lift** lever is at the right. A small boy can raise the hoes with it. The lift bar is of gas pipe, light, strong and handsome. Malleable arms on this bar hold the connections to the drag bars.

A **Clutch** in the wheel makes both of them drivers.

For **Clutch Gear** see cut and description on next page.

The **Drag Bars** are of light iron, made double, handsome and strong.

The **Hoes** are of the shape that looks the nicest and runs the best.

The **Surveyor** sets on the axle, but measures only when the hoes are down.

CLUTCH GEAR.

Don't Look for any thing like this on other Drills.

The **Clutch Gear** is on the axle. The arm attached to it throws it out of gear when the hoes are raised. The upper gear is on the feed shaft. The forward one runs the grass seeder. All are on stationary journals, and are never out of mesh.

They are small, and are in a shield inside the frame.

Being securely fastened in permanent places there is no lost motion, and the instant the clutch on the axle strikes them seeding begins. As both ground wheels are drivers, neither side of the Drill can go forward without taking grain to the ground.

No skips in sowing with this Drill.

*SET TO SOW ANY GRAIN OR QUANTITY BY
MOVING A LEVER.*



Force Feed.

An **Adjustable Force Feed**. Fluted feed rolls are fastened on a shaft. Moving these through the feed cups gives them more or less capacity.

The shaft moves them all alike, so there is no variation in the feeds.

The **Quantity** is indicated on a brass plate. A lever moves a pointer to any desired quantity in an instant.

The Feed Cup is **Parted in the Center**. A breakage is repaired by removing two screws, and without disarranging any part of the feed.

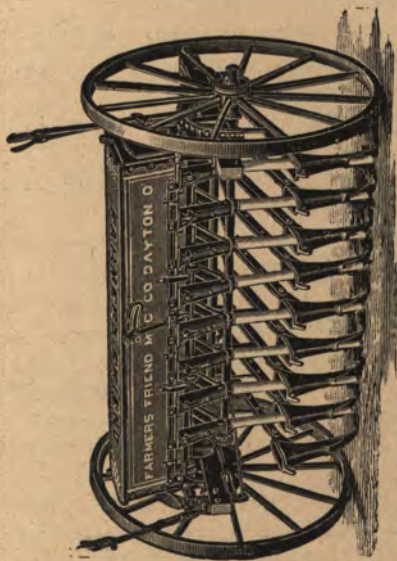
The **Feed for Grass Seed** is on the same plan, reduced to the proper size. It sows either in front or back of the hoes.

The cut on the opposite page is a perfect representation of the *Farmers Friend Fertilizer Drill*.

With its short, open frame, shifting lever at one end and lifting lever at the other, double shifter bars, double drag bar, low down hitch, and clutch drive wheels, it is a seller.

The fertilizer feed is a smooth disc that carries the fertilizer out where it can be seen feeding. The quantity is regulated not by making the feed hole smaller or larger, but by cutting off more or less of the feeding surface of the disc. This is a great advantage.

It must stand or fall on its own merits in the hands of any farmer who wants to try it.



Remember These Things.

Both wheels drive the Drill.

In proportions and finish, it is of the finest.

The driver can step between the hoes and thus draw out trash.

The shifter lever and lift lever, are in the most convenient places.

It is the only Drill on which runners and hoes are interchangeable.

The low hitch makes direct and light draft, without a particle of neck weight.

The shifter bars are moved by a geared segment on the end of each. **Easy and nice.**

With the clutch gear there are no skips or breaks in the seeding. **No other Drill has any thing like it.**

The hoes move but half the distance they do with a single shifter. They all **have the same pitch.**

As a runner Drill it is of light draft, can be pressed into hard soil, runs over trash, plants at a uniform depth and covers the seed.

The feed sows wheat, oats, rye, barley, buckwheat, flax, clover, timothy, millet, &c., without any change of wheels, or doing anything but move a lever a little.