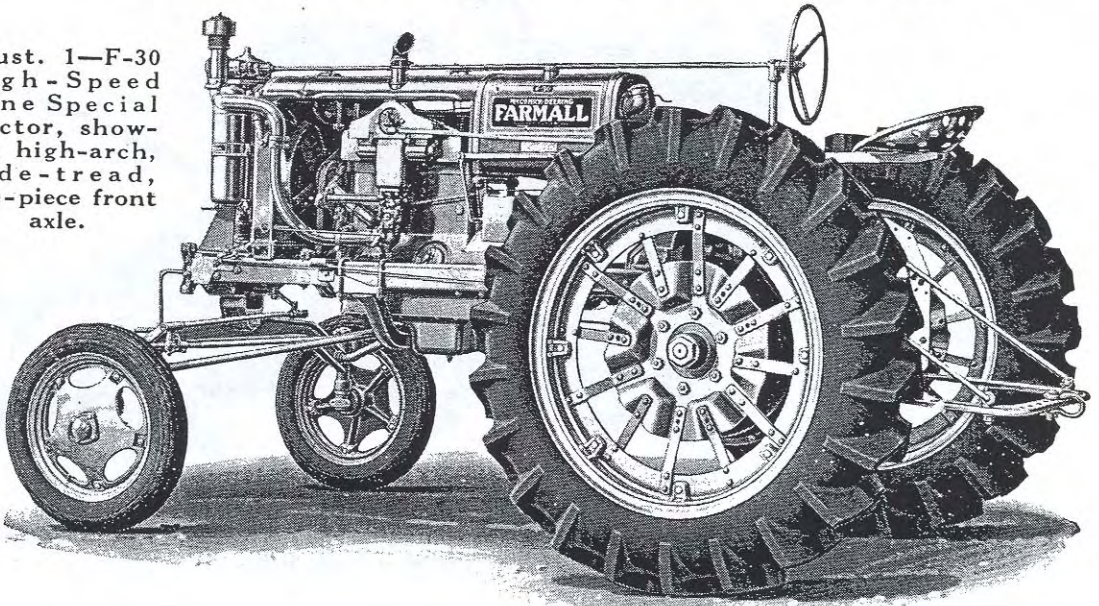


Farmall-30 Cane Special Tractors

Illust. 1—F-30 High-Speed Cane Special tractor, showing high-arch, wide-tread, one-piece front axle.



For Plowing, Planting and Hauling

F-30 Cane Special tractors take the place of twenty to thirty mules and supply dependable and economical power for every cane-growing operation. In addition, they speed planting and harvesting by hauling cane so that distances are no longer a serious transport problem.

The F-30 Cane Special tractor (regular model) has four speeds ahead, and the F-30 High-Speed Cane Special tractor is supplied with a dual-type selective transmission which provides eight forward speeds (maximum $16\frac{3}{4}$ m.p.h.). The F-30 high-speed tractor has a slightly longer wheelbase and controls are extended to provide space for the auxiliary transmission, but otherwise both tractors are identical.

Both F-30 Cane Special tractors are equipped with a high-arch, wide-tread, one-piece front axle with a clearance of 27 inches over a span of 38 inches in width. This construction permits identical treads for both the front and rear wheels of 72 inches, allowing plenty of room for a good growth of cane under the axle.

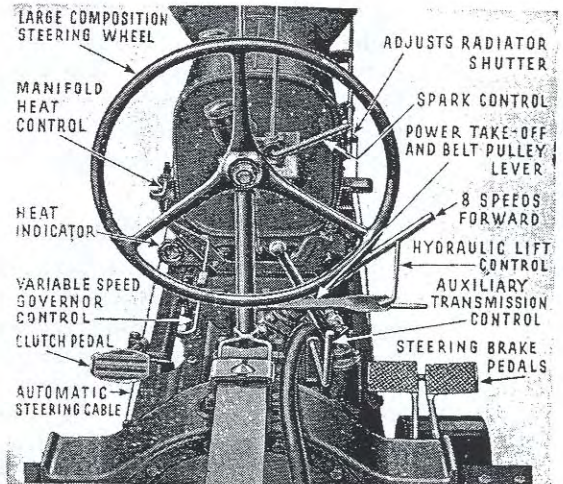
Cylinder-Type Lift

The hydraulic, cylinder-type power lift adds greatly to the efficiency of F-30 sugar cane equipment. It attaches to the forward end of the transmission case and through a drive coupling operates from the power take-off, offering a simple and unique control mechanism to exert a powerful lift when desired.

A very slight pressure by hand or foot on the control rod enables the operator to raise or lower the implement any desired distance from a fraction of an inch to the full lift.

The same grade of lubricating oil is used in the lift as is used in the engine. The piston is of the conventional leather cup design, and the piston rod

is entirely enclosed so that all dirt is excluded. It is especially built to eliminate leakage and allows only a sufficient amount of oil to pass out to lubricate the piston rods. There are no complicated parts to get out of order, and the cylinder piston will serve several seasons before new cup leathers are likely to be required. The 5-inch diameter, heavy-duty cylinder is simple-acting, with no stuffing box to require attention. All cylinder parts for the use of F-30 cane equipment are easily removed in a few minutes whenever desired.



Illust. 2—All controls on the F-30 High-Speed Cane Special tractor are convenient to the operator. The regular model does not have the auxiliary transmission, the control for which is shown here.

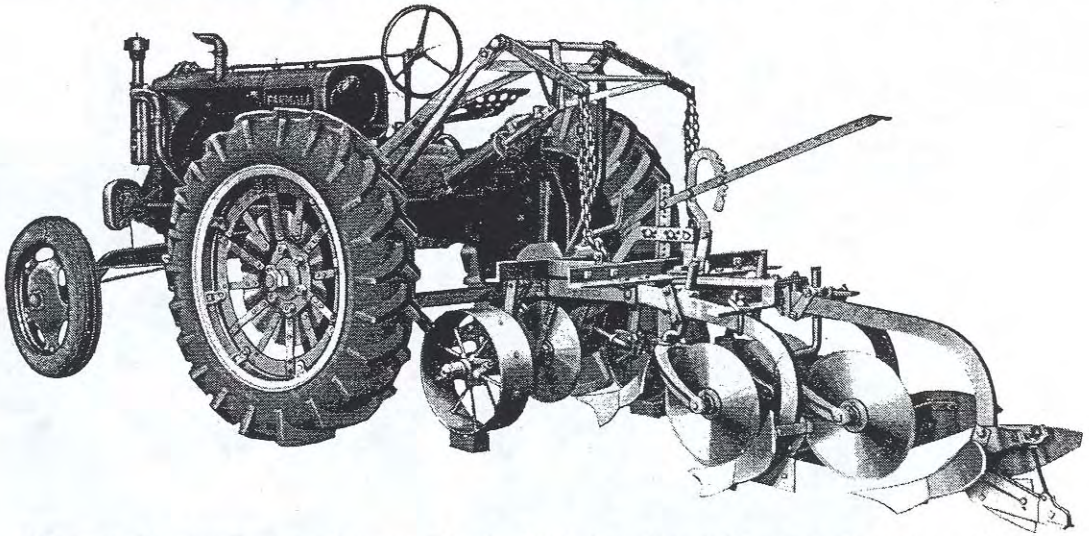
Specifications*

DESCRIPTION	FORWARD SPEEDS, M.P.H.	SHIPPING WEIGHT
F-30 Cane Special (Regular)	$3\frac{1}{8}$, $4\frac{1}{8}$, 5, $10\frac{1}{2}$
F-30 Cane Special (High-Speed)	Direct drive— $3\frac{1}{8}$, $4\frac{1}{8}$, 5, $10\frac{1}{2}$ Auxiliary drive—5, $6\frac{5}{8}$, $7\frac{7}{8}$, $16\frac{3}{4}$	5,817 lb. complete with power lift

* For detail specification on horsepower, etc. consult description of F-30 tractor found on another page.



Farmall-30 Cane Row Plow—No. 2



Illust. 3—No. 2 cane row plow attached to F-30 Cane Special tractor, showing cylinder-type hydraulic lift.

Completely Destroys Old Bed and Rebuilds Rows

Among the many advantages of the No. 2 cane row plow which account for its increasing popularity is the outstanding ability to reduce field operations. Attached to an F-30 Cane Special tractor, this combination will cover from 12 to 18 acres in a day and do the work which would require from 20 to 30 mules. The No. 2 cane row plow will completely destroy and rebuild a finished row at one trip. It will bury the rankest of cover crops, destroy old stubbles, and at the same time build a new row without choking or sliding. In row building the capper is employed to break up stubble clumps, turn under crop residue, and otherwise make it possible to leave a clean surface. The capper bottom now has a lever adjustment for more convenient operation and is adjustable to any desired depth. The No. 2 plow also does a good job of wrapping up.

Off-Bars Cane Rows

For barring off, the center beam with middlebuster bottom, capper standard (complete with braces), and front rolling coulter are removed. The outside beams then may be spaced so that the plow bottoms will cut away the desired amount of bed. Many users shave and off-bar at the same time with this plow, these operations being done with the rear middlebuster bottom removed. Where an extra operator is desired, the seat supplied for the guide lever attachment on the No. 2 cane cultivator can be utilized. It is available on special order.

Tractor Mounted

The No. 2 cane plow is connected to a cross-angle drawbar mounted on the regular drawbar brackets of the tractor. The drawbar is adjustable as to height

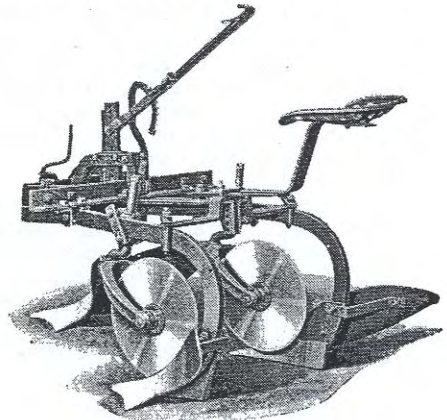
so as to raise or lower the hitching point. A boom is attached to the top of the rear tractor housing and supported by braces from the tractor side plates. Arms mounted on the end of the boom and operated by the power lift raise and lower the plow.

Regular Equipment

Capper standard with lever adjustment; two long beams for plow bottoms; center beam; 20-B (22-in.) middlebuster bottom; 18-B (14-in.) middlebuster bottom; 3 PORC 110 (18-in.) rolling coulters; PORC 141 (22-in.) rolling coulter; right-hand and left-hand MA-2 (10-in.) bottoms with extra shares.

Extra Equipment

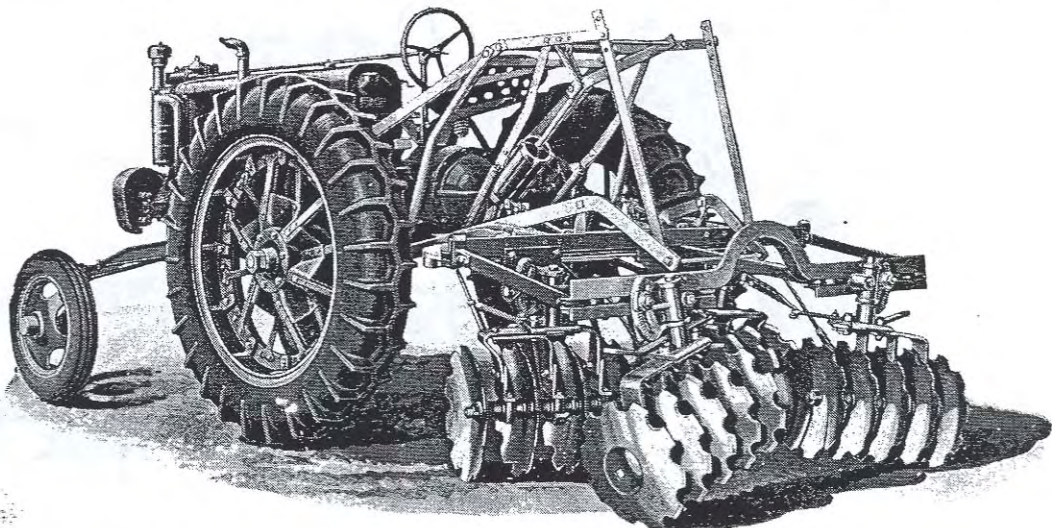
Boom attachment; seat for adjustable capper. Shipping weight (with boom), 1,415 lb.



Illust. 4—View of No. 2 cane row plow with rear middlebuster bottom removed for shaving and off-bar operation. The seat for helper is supplied on special order.



Farmall-30 No. 1 Cane Cultivator



Illust. 5—No. 1 one-row cane cultivator with tandem attachment for use with F-30 Cane Special tractor. Heavy springs apply pressure to break down stubble, prepare beds, etc. The cut-out disk gangs are reversible for throwing soil either away from or towards the center of the row.

Reversible Cut-Out Disks to Break Down Stubble

The No. 1 one-row cane cultivator with cut-out disks has proved to be exceedingly useful to the cane grower because he can cover from 18 to 25 acres in a day and also can do so many different operations with it.

Pressure can be applied by means of springs that will break down stubbles, prepare beds, and accomplish other heavy work. Proper depth adjustment features make it popular for cultivation. It is also ideal for preparing the seedbed by pulverizing and smoothing over a rough row. The width of cut is easily adjustable as well as the angle and pitch of the depth gangs, one man being able to make any necessary adjustment quickly. Lift arms are connected to pressure bars on the boom so that power-lift connecting parts can be used for raising and lowering.

Tandem Attachment

When equipped with the tandem attachment the No. 1 cane cultivator becomes a 4-gang disk culti-

vator with added effectiveness either for preparing seedbeds or for cultivating the crop when small. The front disk can be set to throw soil away from the plants or off-bar, and the rear disk gangs can be set to bring back the soil toward the plants, making a very good job of pulverizing possible. If desired, pressure can be applied independently to the large 23-inch disk blades ahead for harrowing down furrow, slices or to the rear 20-inch blade when used for cultivating purposes.

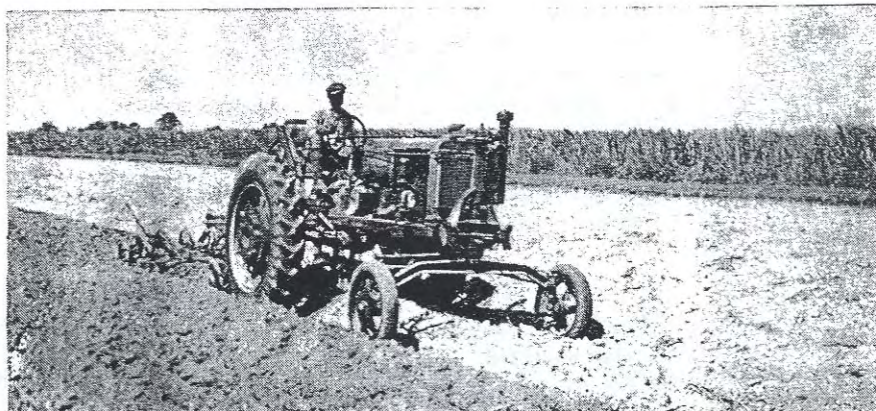
Regular Equipment

Two 4-disk reversible gangs with 23-in. cut-out disks. Shipping weight (less boom), 1,111 lb.

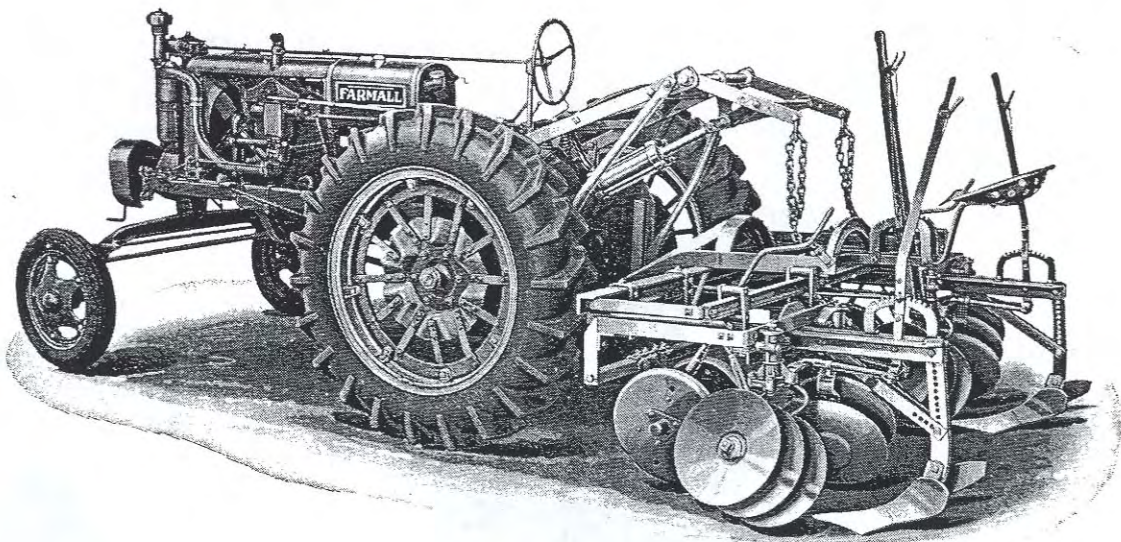
Extra Equipment

Tandem attachment consisting of two 5-disk gangs with 20-in. cut-out disks; boom attachment; No. 31 fertilizer attachment.

Illust. 6—The No. 1 cane cultivator with spring-tooth harrow is an ideal combination for pulverizing soil.



Farmall-30 No. 2 Cane Cultivator



Illust. 7—No. 2 cane cultivator with guide lever attachment as set for earlier cultivating operation. The two cultivating sections are adapted to uneven row spacing.

The No. 2 cane cultivator and Farmall-30 Cane Special tractor cut the cost of producing a cane crop to a minimum. This two-row cultivator combination will cover from 35 to 50 acres in a day, replacing from 15 to 20 mules and doing a much better job. The several attachments available for this cultivator assure the user of the proper equipment for the particular job at hand. Disk gangs, wrapping, magnolia, and guide attachments all round out the No. 2 cultivator as a complete unit.

The cultivating tools are carried on two sections suspended from cross arches, which in turn are mounted on side angles extending forward to brackets mounted on the tractor drawbar. These brackets are reversible so that they can be attached underneath and toward the rear of the drawbar, when high wheels are used on the tractor, and toward the front and on top of the drawbar when low wheels are used.

Adapted to Uneven Row Spacing

The two cultivating sections are permitted to move in and out so as to adjust themselves for uneven spacing of cane rows. Two reversible disk gangs, each equipped with three 18-inch disks and one 10-inch middlebuster bottom, are regularly supplied for each of the two sections. The disk gangs can be tilted and are provided with levers to set the gangs at the desired angle. The disk gangs can also be removed readily for mounting special attachments.

Two gauge wheels are provided on each section to

help regulate the depth and aid in guiding the section to the rows. The depth is regulated by adjusting cranks which extend down to the gauge wheels.

In the cultivating operation the gauge wheels are set quite close together. The disks are tilted so as to work on the sides of the rows, the inside disks contacting with the ground about 12 inches apart. The middlebuster, following behind, gets some of the soil loosened by the disks and runs through the ground, throwing up new soil toward the cane. Middlebuster standards are adjustable up and down and can also be tilted out of the vertical position. When performing the final cultivation it is thus possible to have the middlebuster setting somewhat on the point. This will leave loose dirt in the bottom of the furrow so that the ground will not present a hard glazed surface.

Regular Equipment

Four 3-disk gangs with 18-in. solid disks; two center standards for middlebuster bottoms; and two 22-B 10-in. middlebuster bottoms.

Extra Equipment

Boom attachment; wrapping attachment consisting of right and left-hand 7-in. bottoms; magnolia attachment; guide attachment; No. 36 fertilizer attachment; front-end tractor weight (approximately), 217 lb.; and front bolster weight (approximately), 150 lb.

Shipping weight (less boom), 1,646 lb.

