


**McCormick-Deering  
Cub-252 Cultivator  
for use with  
Farmall Cub Tractor  
Setting Up Instructions  
Parts List**

**Owner's Manual**

1006662R2

Reprinted

**CASE III**




 *THIS SAFETY ALERT SYMBOL INDICATES IMPORTANT SAFETY MESSAGES IN THIS MANUAL. WHEN YOU SEE THIS SYMBOL, CAREFULLY READ THE MESSAGE THAT FOLLOWS AND BE ALERT TO THE POSSIBILITY OF PERSONAL INJURY OR DEATH.*

M171B

If Safety Decals on this machine use the words **Danger, Warning or Caution**, which are defined as follows:

- **DANGER:** Indicates an immediate hazardous situation which if not avoided, will result in death or serious injury. The color associated with Danger is RED.
- **WARNING:** Indicates a potentially hazardous situation which if not avoided, will result in serious injury. The color associated with Warning is ORANGE.
- **CAUTION:** Indicates a potentially hazardous situation which if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices. The color associated with Caution is YELLOW.

If Safety Decals on this machine are ISO two panel Pictorial, decals are defined as follows:

- The first panel indicates the nature of the hazard.
- The second panel indicates the appropriate avoidance of the hazard.
- Background color is YELLOW.
- Prohibition symbols such as   and  if used, are RED.



# WARNING

IMPROPER OPERATION OF THIS MACHINE CAN CAUSE INJURY OR DEATH. BEFORE USING THIS MACHINE, MAKE CERTAIN THAT EVERY OPERATOR:

- Is instructed in safe and proper use of the machine.
- Reads and understands the Manual(s) pertaining to the machine.
- Reads and understands ALL Safety Decals on the machine.
- Clears the area of other persons.
- Learns and practices safe use of machine controls in a safe, clear area before operating this machine on a job site.

It is your responsibility to observe pertinent laws and regulations and follow Case Corporation instructions on machine operation and maintenance.

# **OWNER'S MANUAL**

**SETTING UP INSTRUCTIONS  
PARTS LIST**

**McCORMICK-DEERING**

## **Cub-252 Cultivator**

for use with

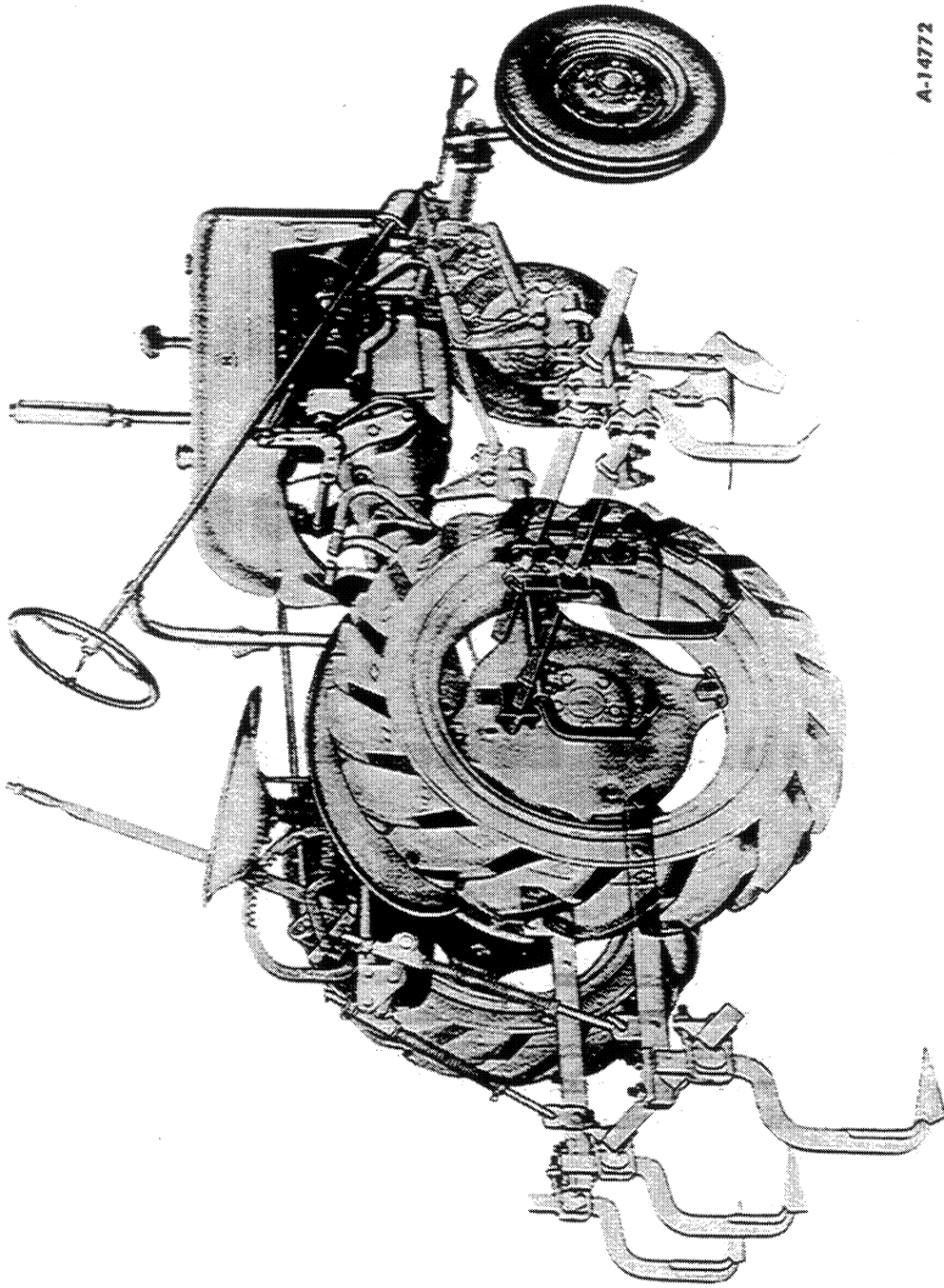
**Farmall Cub Tractor**

This manual contains information which will be valuable to you during the entire life of your equipment. Rely on your manual for operating and maintenance information . . . and rely on your International Harvester dealer when in need of skilled mechanical service or genuine IH service parts.

**INTERNATIONAL HARVESTER COMPANY**

180 NORTH MICHIGAN AVE.

CHICAGO 1, ILLINOIS, U.S.A.



A-14772

Cub-252 Farmall Cultivator.

## TO THE OWNER

The Cub-252 Cultivator is designed for use with the Farmall Cub Tractor. With this machine, beets, beans and other similar crops may be cultivated when planted in rows spaced from 12" to 28" apart. The tools may be arranged on the tool bars to cultivate four 12", three 16 or 18" and two 22, 24, 26 or 28" rows.

This cultivator requires the Master Control Lever, the Front Rockshaft, and the Universal Mounting Frame. These units are available on special order and are not supplied with the cultivator because the owner may already have one or more of them with another implement. The master control lever is used with almost all direct-connected implements, the front rockshaft with the mower, cultivators and planters, and the universal mounting frame with front-mounted planters and cultivators. These units provide a common raising lever and mounting frame and once you have them, they never have to be purchased again regardless of what implement is used on the tractor.

The front section of the cultivator consists mainly of two 1-1/4" square tool bars 62" long and five standard clamps. The tool bars are flexibly attached to the universal mounting frame which enables the tools to work at a more constant depth in rough or uneven fields.

The rear section may be equipped with either of two styles which are ordered as desired.

The "L" Type Rear Section includes a 1-1/4" square tool bar 62" long and three standard clamps. On this tool bar, duckfoot tools are usually mounted to clean out the wheel tracks and to cultivate between the rows.

The Rear Track Sweep Attachment includes two friction break standards with 10" full sweep. (This attachment is the same as the rear section of the No. 34 Tool Equipment supplied with the Cub-144 Cotton and Corn Cultivator.)

The ground units are easily and quickly attached and detached without disturbing any of the set adjustments when the tractor is to be used for some other purpose.

A great variety of ground working tools are available and these are ordered as desired. The line of tools, which have 1-1/2 x 9/16" standards, includes the No. 12 Deer Tongue, Nos. 21 and 22 Duckfoots (7-1/2 and 9" cut), No. 6 Diamond Point, Nos. 22 and 23 Knife Weeders (5 and 6-1/2" cut), Nos. 27, 28, 29, 30 and 31 Adjustable Knife Weeders (5-1/2, 6-1/2, 7, 7-1/2 and 8" cut), Nos. 111 and 112 Disk Weeders (12 and 10" disks) and the No. 12 Irrigating Attachment. Also available is the round standard (1-1/8" diameter) with pin break shank. Standards without shovels are available for special purposes. These include 1-1/2 x 9/16" standards for disk or knife weeders, irrigating shovels and deer tongues. A heavy 2 x 5/8" standard is available for use with Planet Jr. or Dyrre sweeps.

Standard clamps are ordered as desired for use with 1-1/2 x 9/16" standards, 1-1/8 or 1-1/4" round standards and the 2 x 5/8" standard. Also available is the quick-attachable clamp for use with 1-1/2 x 9/16" standards.

You are urged to consult your International Harvester dealer concerning unusual field conditions or special crops. International Harvester men have spent years in research and study of these things. Let the experience of these men serve you.

Be sure to read the instructions for Adjusting and Operating in this manual. Check each item referred to and acquaint yourself with the adjustments required to do a good job and get maximum trouble-free service from your machine.

Remember - a cultivator which is properly lubricated and adjusted saves time, labor and fuel costs.

## INSTRUCTIONS FOR ADJUSTING AND OPERATING

(Instructions for Setting Up are on page 8)

### LUBRICATION

Keep all bearings and moving parts well lubricated.

### GENERAL

Where the rows to be cultivated are spaced 18" or wider, it is recommended the tractor be equipped with 7-24 in. or 8-24 in. tires on the rear and 4.00 x 12-inch tires on the front for better traction and steering in loose ground and maximum clearance when the cultivator is raised.

Where the rows to be cultivated are spaced less than 18", it is recommended the tractor be equipped with 6-24 in. tires on the rear.

**IMPORTANT!** Before operating the cultivator, be sure all bolts and set screws are perfectly tight and all cotters are spread to keep them from falling out.

### WIDTH OF ROWS

This cultivator will cultivate four 12" rows, three 16 or 18" rows, or two rows spaced from 22" to 28" apart when the tractor is equipped with the Adjustable Front Axle. For tractors equipped with the Fixed Front Axle, it is possible to cultivate three 12" rows or two 16, 18 or 20" rows; however, if conditions require the tractor wheels to run in the exact center between the rows, the guess row for the various spacings will be as follows:

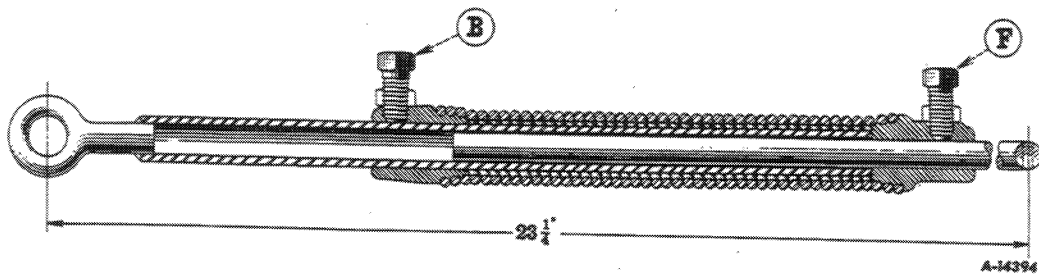
|                                  |  |                                 |
|----------------------------------|--|---------------------------------|
| 16" guess row for three 12" rows |  | 22" guess row for two 18" rows. |
| 24" guess row for two 16" rows.  |  | 20" guess row for two 20" rows. |

In view of the limitations imposed by the Fixed Front Axle, it is recommended that the tractor be equipped with the adjustable type axle.

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### PRESSURE SPRINGS

For ordinary working conditions, the pressure springs "A" (Illusts. 9, 10, 12 and 13) should be set so that a slight pressure is exerted on the gangs. In hard ground, it may be necessary to increase the spring pressure.



Illustr. 1

**ON THE FRONT SECTION:** To increase the pressure on the gangs, raise the cultivator, loosen the set screw "B" (Illusts. 1, 9 and 10), stretch the spring to give the desired tension and tighten the set screw securely.

**ON THE REAR SECTION:** To increase the pressure on the gangs, raise the cultivator, loosen the set screw "C" (Illusts. 12 and 13), compress the spring to give the desired tension and tighten the set screw securely.

If the gangs do not penetrate properly after making these adjustments, check the setting of the shovels.

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