

# 25 Push-Type Manure Loader Series '49



JOHN DEERE

## OPERATORS MANUAL 25 Push-Type Manure Loader Series '49

OMC211149 (01NOV49) English

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ENGLISH



## TO THE PURCHASER

You have purchased a Manure Loader which is designed to give you many years of satisfactory service. Material and workmanship are the very best.

The object of this Manual is to make you a good operator—to assist in setting up the loader correctly—to insure proper lubrication—to list necessary adjustments and tell how to make them. Read this Manual carefully. If anyone, other than yourself, operates the loader, be sure they are familiar with the instructions given in this Manual. Proper operation and lubrication will result in longer life and better operation of your loader.

### SERIES NUMBER

Write the Series Number of your Loader here.....

You will find the series number on the plate of the left upright angle. **Be sure** to use this number when ordering parts or writing about your Loader.

Date Purchased .....19.....

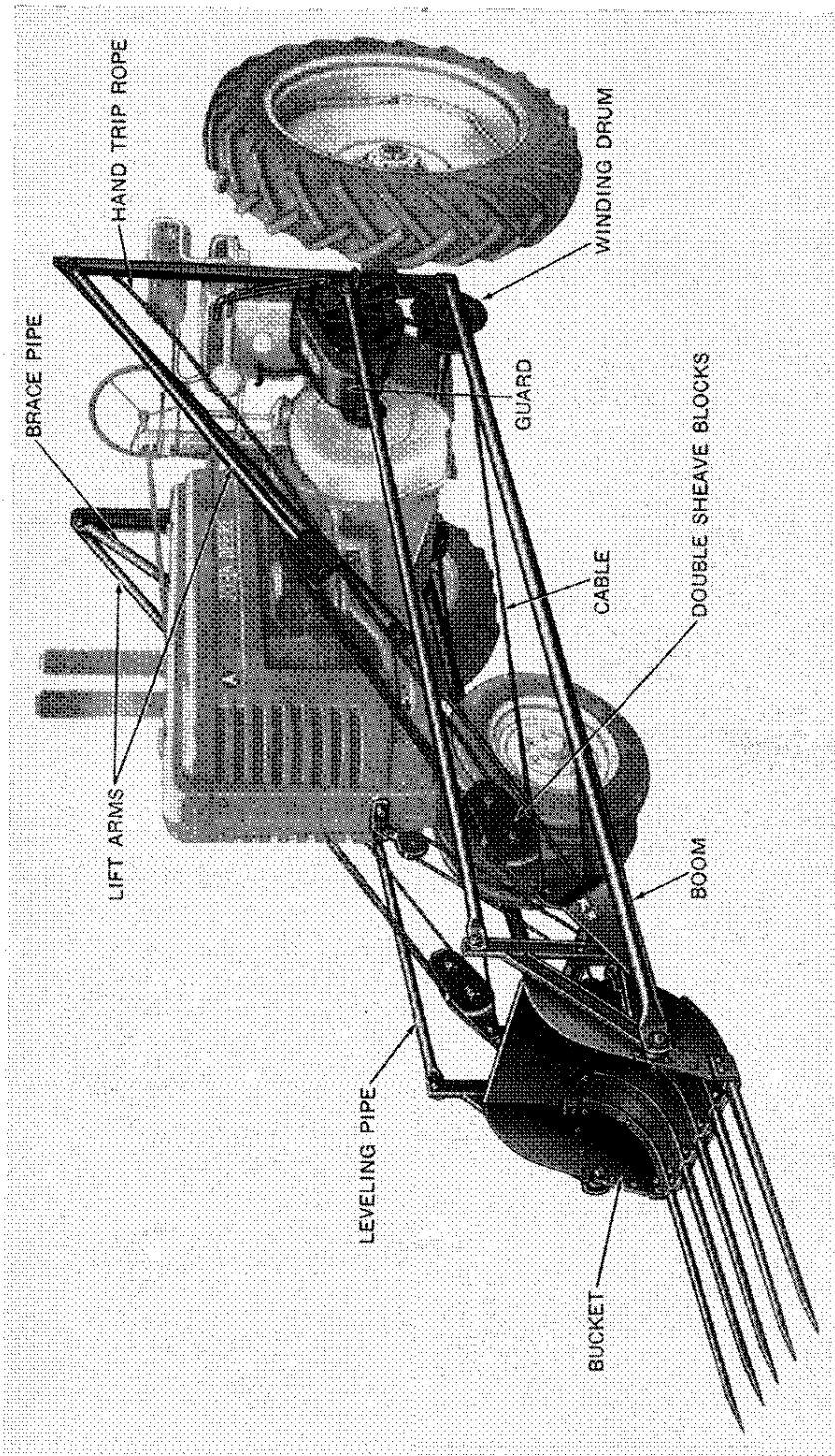
**A Careful Operator**

**IS THE BEST INSURANCE  
AGAINST AN ACCIDENT**

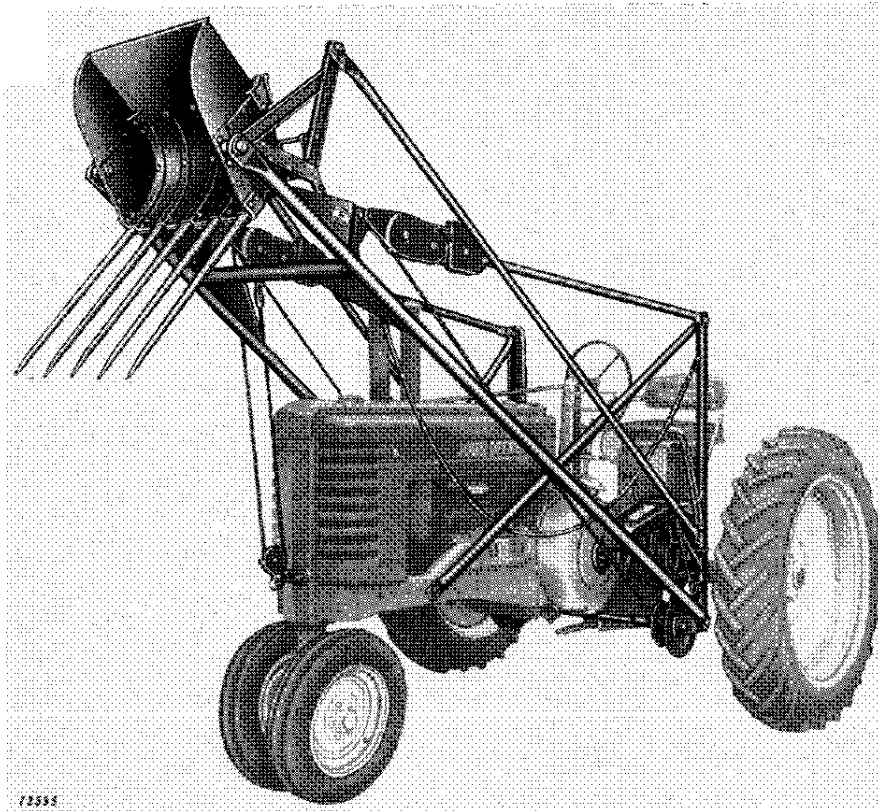
*—National Safety Council*

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*John Deere No. 25 Push-Type Manure Loader*



## SPECIFICATIONS AND DATA

Length (Mounted on Tractor).....	16' 7-1/2"
Width (Front).....	33"
Width (Rear).....	Extend Tractor Rear Wheels to 84"
Height.....	6' 8"
Lift of Bucket.....	7' 6"
Load (Max. Lift).....	1800 lbs.
Tractor Operating Gear.....	Low
Tractor.....	John Deere "A" or "B"

*(Detail Design Subject to Change Without Notice)*

## FRONT TIRE INFLATION TABLE FOR JOHN DEERE TRACTORS WITH No. 25 MANURE LOADER

Tractor	Tire Size	Ply Rating	Maximum Inflation Pressure
"B"	5.50 x 16	8	64 lbs.
"BN"	6.50 x 16	6	44 lbs.
"BN"	6.50 x 16	8	56 lbs.
"A"	5.50 x 16	8	64 lbs.
"AN"	7.50 x 16	8	48 lbs.

*NOTE: When loader is removed from tractor, reduce front tire inflation pressures to 36 lbs.*

## LUBRICATION

For long life and ease of operation, proper lubrication with a quality lubricant is important.

The lubrication chart shows the points to be lubricated and gives a lubrication schedule for average operation. When loader is run continuously, increase the frequency of lubrication accordingly.

In addition to those points shown on the chart, keep bucket trip shaft and all pivot and friction points well oiled.

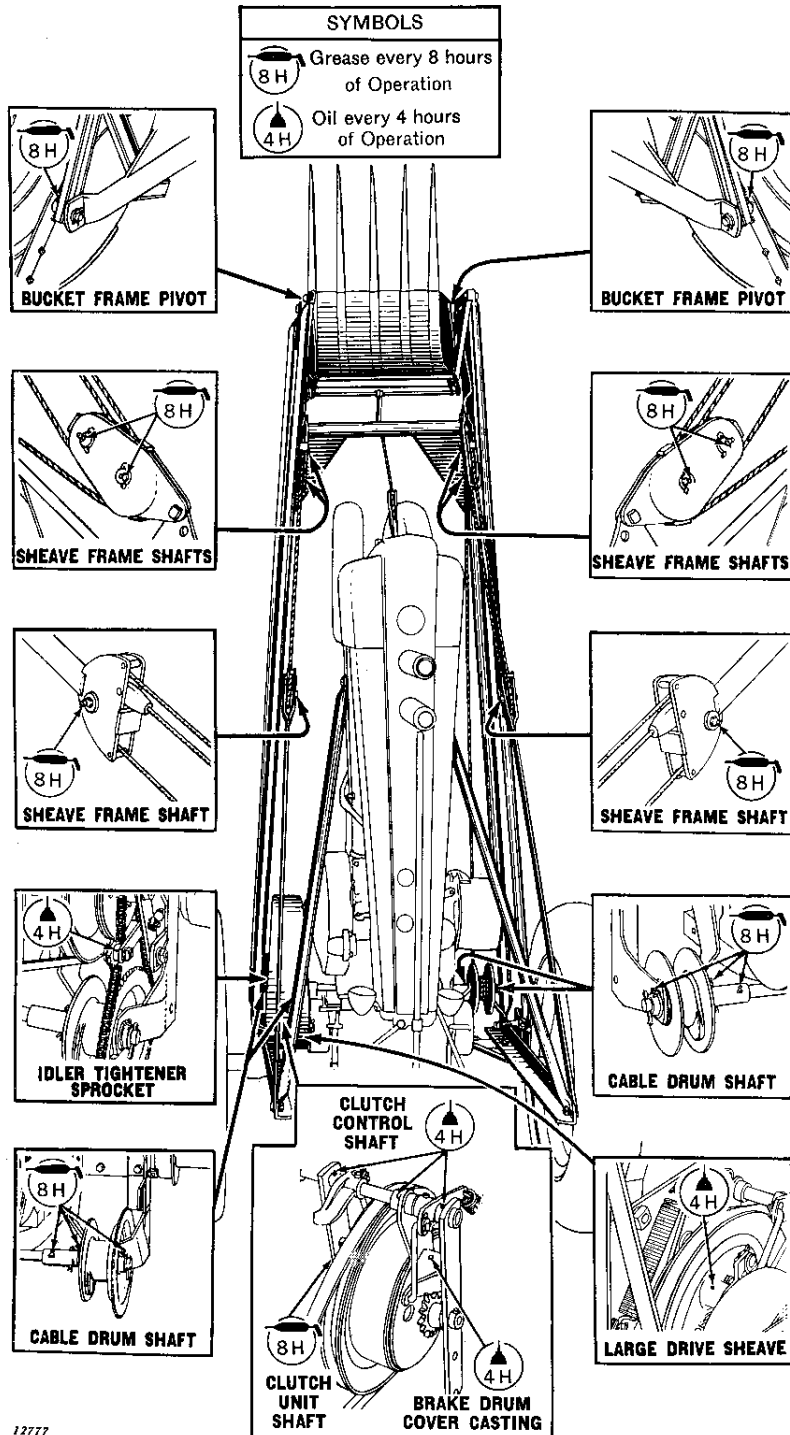
The roller chain should be oiled occasionally with a light oil to keep it flexible.

Lubricate all parts thoroughly but avoid excessive lubrication.

If a grease fitting is lost, replace it immediately.

Wipe dirt from fittings before greasing.

# LUBRICATION CHART



12777

## OPERATING INSTRUCTIONS

When right or left is referred to in this Manual, it is based on the position of the operator, when in the tractor seat, for operation of the loader.

Loader is designed for operation with John Deere Models "A" and "B" Tractors.

This loader has a continuously powered clutch. The bucket can be raised or lowered from the foot control pedal at any time tractor is running. (See Figure 1.)

### OPERATION OF FOOT CONTROL PEDAL

Foot control pedal in No. 1 position sets the brake. When the brake is set, tension on the spring is great enough to make it unnecessary to remove the foot from the pedal.

Foot control pedal pressed slightly forward, No. 2 position (neutral), releases the brake, allowing the bucket to lower smoothly under full control.

Full forward position, No. 3, releases the brake and engages the clutch to raise the load.

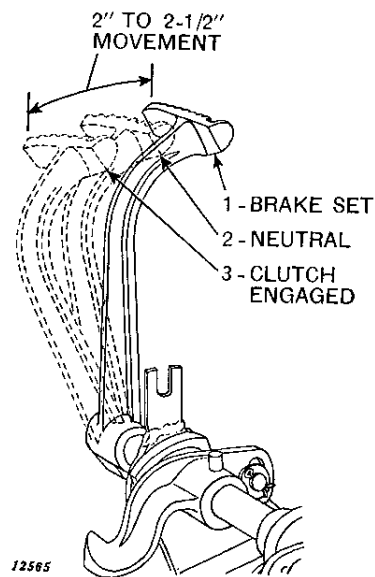


Figure 1

When raising or lowering the bucket, and the desired height is reached, release the foot pedal quickly to set brake.

After loader is mounted on tractor, raise and lower the boom several times, making sure that the raising and lowering actions are smooth.

Check to see that the Power Trip Cable has the proper length (Figure 31) and that the Double Sheave Blocks do not strike together before tripping the load.

A new operator should familiarize himself with the action of the foot control pedal, the hand trip cord and suck adjusting levers, before starting to load. The boom should only be lowered under full control of the operator while on the tractor seat.



Adjust tractor seat so that foot control pedal is within easy reach of the operator. If proper adjustment cannot be made by seat adjustment, change the foot pedal position to suit operator. Note 13, Page 17.

When operating the loader, have the tractor in low or second gear and the suck of the fork set to conform to the ground conditions. You will find these speeds give better results than too much speed, and will save wear and tear on tractor and yard.

The suck of the fork may be set in any one of five positions to suit working conditions, Figure 2.

The loader may be used safely on any ground on which a tractor can be operated alone. When operating, **carry the load low** as this gives added stability to the tractor and prevents loss of manure in transport.

Push bucket into pile, raising and lowering bucket to break manure loose. Do this until the bucket is loaded. As the spreader is approached, raise the bucket to approximately six inches above the side and trip the load, going forward and raising the bucket at the same time. Dropping load from a high position will, naturally, be detrimental to the spreader. After the load is dumped and the bucket is empty, back away from the spreader, lower the bucket to approximately one foot off the ground, and return to the pile.

The bucket digs equally well from a high or low pile, due to its leveling characteristics.

If some manure sticks to the bucket after the load has been dumped, a cleaning or shaking action of the bucket can be secured by raising boom to its extreme height and operating the foot pedal, alternately raising and lowering it a few inches.

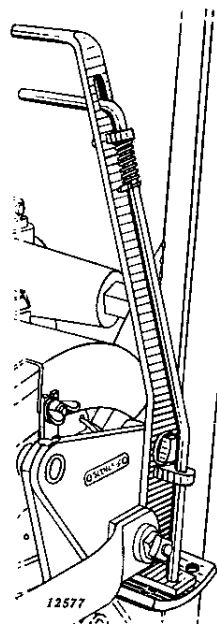


Figure 2

### IF BUCKET FAILS TO RETURN FREELY

1. Check the drive chain for too much tension. Idler should be just tight enough to take the slack out of the chain.
2. Be sure all cable sheaves turn freely when raising empty bucket.
3. Check cables to make sure they are threaded in the sheaves according to instructions on Pages 18 and 19.
4. Raise bucket about one foot and support it on a block to obtain slack in the cables. Stop engine. Remove the drive chain and be sure the cable drums turn freely by hand.
5. With the foot control pedal fully forward (with stop against clutch frame), and chain removed, make sure the clutch and brake drum turns freely by hand.
6. Raise the bucket to its extreme height and remove foot from pedal. Stop engine and fully depress the pedal. If this permits bucket to drop freely, check adjustment of clutch booster, Page 9. Be sure the brake cam lever is free from any bind and properly lubricated.
7. Wash out clutch and brake, if necessary. See Page 12.

### IF LOADER FAILS TO RAISE LOADED BUCKET

1. Check belt tension, as on Page 9.
2. Wash out clutch and brake, if necessary. See Page 12.
3. Check adjustment of clutch booster, Page 9.
4. Check overload release spring adjustment. Page 10.

### CABLE HOOK ON BOOM

When doing belt work, raise the boom to the extreme height and place the cable in the cable hook on the boom in order to have proper belt clearance, Figure 3.

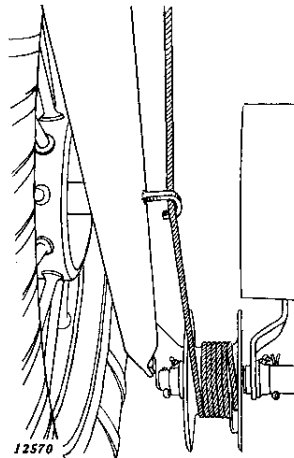


Figure 3

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