

## MAINTENANCE

### Adjustable Front Axle

If your tractor is equipped with an adjustable front axle, the front wheels can be set at treads of  $40\frac{5}{8}$ ,  $44\frac{5}{8}$ ,  $48\frac{5}{8}$ ,  $52\frac{5}{8}$  and  $56\frac{5}{8}$  inches to track with respective rear wheel tread positions.

#### To Adjust the Tread Widths

1. Raise the front end of the tractor.
2. Loosen the bolts holding axle extension clamps "A."
3. Pull out the cotter pins and remove axle extension clamp pins "B." Remove the bolts from tie rod clamps "C."
4. Pull the axle extensions out an equal distance on both sides to the desired tread position and move tie rods "D" to correspond.
5. Replace axle extension clamp pins "B" in the holes selected and tighten the clamps. Also replace and tighten the bolts in the tie rod clamps.

Front wheels should have  $\frac{1}{8}$ -inch to  $\frac{1}{4}$ -inch "toe-in" ( $\frac{1}{8}$  inch closer in front than rear), measurements being taken from the inside of the front wheels at "F" and "G" respectively. See *Illust. 53*.

To adjust the "toe-in," disconnect steering knuckle arms "E" at "D," loosen the lock nuts and turn tie rod ends "D" in or out as required.

Be sure to make the arm adjustments equal.

### Pneumatic Tires

Follow the instructions and recommendations shown below in order to secure maximum life and efficient service from the pneumatic tires.

#### Inflation

Keep the pneumatic tires properly inflated to the pressures shown in the chart below. Underinflation will damage the tire cord body and may cause the tire to slip on the rim and tear out the tube valve stem. Overinflation results in excessive slippage, causing rapid tire wear.

Check the air pressure once a week with an accurate low-pressure gauge having one-pound graduations. Do not allow the air pressure to drop below the recommendations.

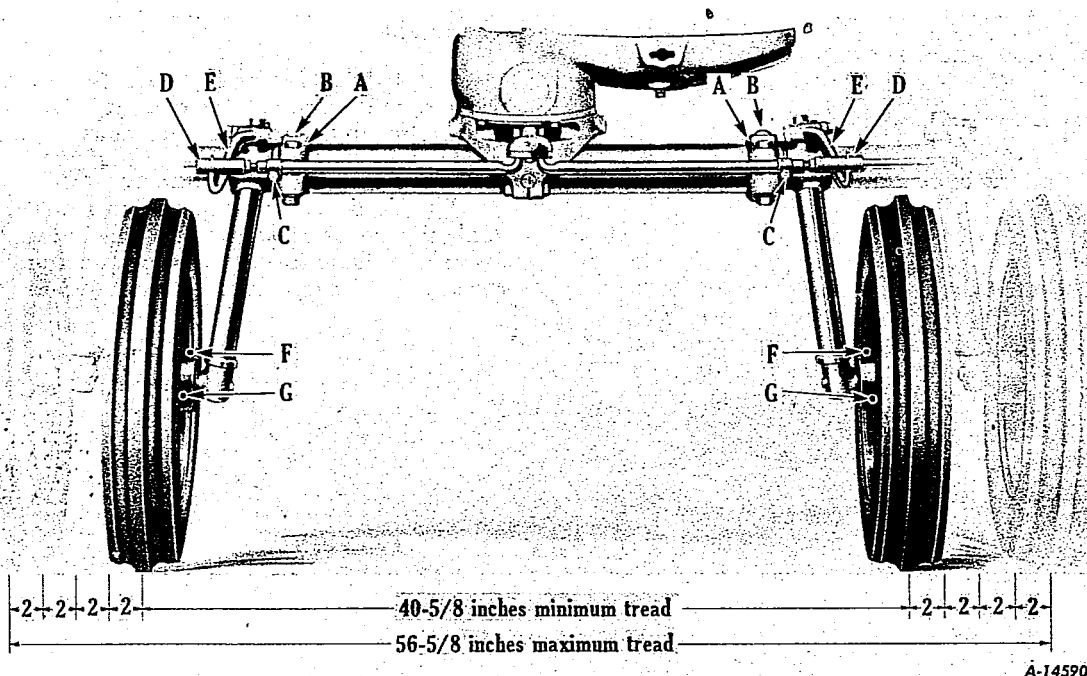
Tires can be inflated with a pressure pump, hand pump, or a spark plug pump. Spark plug pumps can be purchased from International Harvester dealers.

Always see that tire valve caps are in place and screwed tightly. The caps prevent the loss of air through the valve core, and also prevent loose soil, mud, gravel, snow, and ice from entering and damaging the valve core and air chamber in the tires.

#### Shipping Tractors Equipped with Pneumatic Tires

When tractors are transported on a carrier, such as railroad cars or trailers, inflation pressures should

*Continued on next page.*



Illust. 53

Adjustable front axle showing variable wheel treads.