

# Farmers, Take Notice!

## WE ARE NOW DISTRIBUTING

# FORDSON TRACTORS

In the Counties of Obion, Lake and Weakley,  
**"HENRY FORD'S GIFT TO HUMANITY"**

—Will do for the farmer what automatic machinery has done for the manufacturer. Does the work of 8 horses or mules and 3 men, and is the biggest factor in conservation of man-power on the farm.

In developing the "Fordson" Tractor Mr. Ford's aim has been to produce a small tractor which will be low in first cost, reliable and efficient.

**T**HE "FORDSON" TRACTOR is the result of extensive trials and experiments conducted by Mr. Henry Ford, covering a period of many years. Before placing the tractor on the market, every detail has been thoroughly tried out under actual farming conditions in various parts of this country and abroad.

Being small, light and economical, the "Fordson" Tractor is adapted for use on small farms, as well as the largest. It will pull all farm implements and do the work generally done by horses on the farm. In addition, by its belt pulley the tractor will drive farm machinery, such as thresher, ensilage cutter, sawmill, etc., making the "Fordson" a truly universal tractor.

In design and construction the "Fordson" takes a long step in approaching the ideal tractor. The simplicity of its operation and construction will at once appeal to the farmer. Special devices were perfected to keep out dust and dirt. All moving parts are enclosed and thoroughly lubricated. The number of lubricating points requiring attention are very few and easily gotten at.

The motor, transmission and rear axle are assembled together, forming one rigid unit, which, combined with the three-point suspension, relieves these parts of all strain. The absence of any frame gives accessibility to all parts for making adjustments or repairs, and allows the tractor to be taken apart in a few minutes.

The motor is substantially designed and is capable of delivering its full power continuously. It embodies features which have been used with success in other fields for many years.

#### PERFORMANCE

The tractor is designed as a two-plow machine and will pull two 14-inch plows in the stiffest soil. It will maintain a drawbar pull of 1,800 pounds at plowing speed. In low gear a drawbar pull of 2,500 pounds is obtained. The fuel consumption varies with conditions; two and one-half gallons of kerosene per acre being a fair average. The amount of ground plowed also depends on conditions; eight acres in ten hours would strike an average. When used at stationary work and running at full power, at 1,000 R. P. M., the fuel consumption does not exceed two and three-fourths gallons per hour. The total weight of tractor is 2,700 pounds, with water and fuel tanks filled. Over-all length is 102 inches, height 55 inches and width 62 inches.

#### ENGINE

Four cylinder, four cycle, cylinders are cast en bloc. Cylinder bore, four inches; piston stroke, five inches.  
**Removable Cylinder Head:** This allows easy access to the valves, pistons and cylinders; the crank case is easily removed so that all interior parts of the engine may be reached without taking the tractor apart.  
**Horsepower:** The engine develops twenty-two horsepower when running at 1,000 revolutions per minute and using kerosene.  
**Lubrication:** Splash system; the oil circulation is maintained by the centrifugal action of the flywheel on the oil in the flywheel casing.

#### COOLING

**Thermo-Syphon System:** The very large water jackets and radiator tanks used with a vertical tube radiator insure a continuous flow of water and efficient cooling. This works in connection with a belt-driven ball-bearing fan.

#### IGNITION

Special design magneto, built in and made part of the motor, used in combination with four coils and a commutator. This system is simple and reliable.

#### VAPORIZER

The tractor is equipped with a special design vaporizer, which heats the kerosene vapor, and mixing it with fresh, cool air, supplies a dry explosive mixture to the cylinders. To start the engine gasoline is used and after about a minute, when the vaporizer is sufficiently heated, it is shifted to kerosene. Fuel is supplied by gravity from a twenty-one gallon overhead tank.

#### AIR WASHER

The air supply is drawn thru water. The wear on the cylinder walls is thus greatly reduced because of all dust having been removed from the air.

#### CLUTCH

Multiple steel disc running in oil.

#### TRANSMISSION

Constant mesh, selective type, three speeds forward and one reverse; all shafts run on ball bearings. Gears are made of vanadium steel and hardened. Final drive is by worm and worm wheel. All gearing is entirely enclosed and runs in oil.

#### DIFFERENTIAL

Four pinion bevel type and is carried on ball bearings.

#### FRONT AXLE

"I" beam section. Drop forging made of vanadium steel. It is attached in the center directly to the front of the engine, giving a three-point suspension to the tractor.

#### REAR AXLE

Is of vanadium steel and rotates in roller bearings on the outer ends.

#### WHEELS

Front wheels have steel spokes cast in the hub and riveted to steel rims. They are mounted on ball bearings.  
**Rear Wheels** also have the spokes cast in the hub and riveted to the rims. These rims are 42 inches in diameter, 12 inches in width and are fitted with special cleats designed to give proper traction in the field. By withdrawing a tapered bushing from the hub, the wheels are quickly removed. Wheel base is 62 inches; tread between wheels being 38 inches. The tractor will turn in a 21-foot circle.

#### BELT PULLEY

For stationary work, a pulley is fitted on the side of the tractor and operated from the engine clutch. Twenty-two horsepower is available at the pulley, which runs at 1,000 revolutions per minute. The pulley is nine inches in diameter and uses a six-inch belt. This equipment is optional.

#### CONTROL

Steering is by bevel pinion and sector, being entirely enclosed and lubricated by oil splash. The steering wheel is located in the center of the tractor. Directly under it is the throttle lever. The spark lever is mounted on the dash. The gear shifter lever is on the left-hand side of the tractor, and the clutch pedal on the right.  
 The seat is directly behind the steering wheel in the center of the tractor, bringing the driver within easy reach of all controls.

#### TRACTOR SPEEDS

Plowing speed is 2 1/4 miles per hour; low speed, 1 1/2 miles per hour; high speed, 6 1/2 miles per hour; and reverse speed, 2 1/2 miles per hour. This is calculated on engine speed of 1,000 R. P. M.

### Plows, Disc Harrows and Pulverizers

For use with "Fordson" Tractors

In co-operation with Mr. Ford, several well-known, reputable manufacturers have designed farm implements especially for use with this tractor. We are prepared to give you full information and details concerning these implements.

#### Please Read:

The "Fordson" is the long-heralded and waited-for tractor, which some erroneously call the "Ford" tractor. It is made by

**HENRY FORD & SON, Inc.**

Tractors

Dearborn, - Michigan.

It is the same Mr. Ford who makes Ford Automobiles in Detroit. But the "Fordson" engine, contrary to the popular idea, is NOT the same as the Ford Automobile engine. The tractor engine is of special design for tractor purposes only.

As dealer for Obion, Lake and Weakley Counties, we have arranged for 150 "Fordson" Tractors, with more coming on at once.

Deliveries will be made impartially and upon a basis of first come, first served.

Therefore, if you want a "Fordson" Tractor and you cannot afford to be without one, place your order now and get in line for early delivery.

On account of the present farm labor shortage, which is increasing every day, you must have a "Fordson" tractor if you expect to keep your farm production up. The "Fordson" is essentially a farm tractor, perfected through years of experiments by Mr. Henry Ford himself.

# R. H. RUST

Dealer in "Fordson" Farm Tractors

For Obion, Lake and Weakley Counties

Telephone 400



UNION CITY, TENN.