OBSERVATIONS MADE AS ASHEVILLE
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## THE FORDSON TRACTOR IS．HERE！

## Every Farmer In Western North Carolina－－－Every Man and Woman Interested in Agriculture－－－Is Urged to Be Present at the Big <br> PUBLIC DEMONSTRATION TODAY 2 to 5 P．M．－－－Biltmore Fstale Entrance Main Gate FREE ADMISSION

THE＂FORDSON＂TRACTOR is the result of extensive trials and experiments conducted by Mr．Henry Ford，cover－ under actual farming conditions in various parts of this country and abroad．

Experience has pointed to the small，light tractor as being the one machine which will fill all varying conditions satisfactorily．
In developing the＂FORDSON＂Tractor，the aim has been to produce a small tractor which will be low in first cost， reliable，and above all－efficient．

Being small，light and economical，the＂FORDSON＂Tractor is adapted for use on small farms，as well as on 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 a thresher，ensilage cutter，sawmill，etc．，making the＂FORDSON＂ a truly universal tractor．

In design and construction the＂FORDSON＂takes a long step in approach ing 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 ax le 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 acc essibility to all parts for making adjust nents or repairs，and allows the tractor to be taken apart in a few minutes

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

Public Demonstration

## TODAY <br> 2 to 5 p．m． <br> BILTMORE ESTATE

Entrance Main Gate
Free Admission


Public Demonstration TODAY
2 to 5 p．m．

## BILTMORE ESTATE

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Free Admission

## 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 1800 pounds
at plowing speed．In low gear a drawbar pull of 2500 pounds is ob－ tailed．The fuel consumption variea with conditions；two and one－half yallons of kerosene per acre being a fair average．The amount of groury an average．
When used at stationary work and running at full power，at 1000 R．P． M．，the fuet consumption does not exceed two and three－fourths gallons per hourf
The total weight of the tractor is 2700 pounds，with water and fuel tanks
filled O Oer－all length is 102 inches，height 55 inches and widd 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 caase is easily vemoved so that all interior parts of the engine may be reached without taking the tractor apart．
Horsepower：The engine develops twenty－two horsepower
Horsepower：The engine develope twenty－two horsepow
ning at 1000
revolutions per minute，and using kerosene
ning at 1000 revolutions per minute，and uxing kerosene．
Lubrication：Splash system；the oil circulation is maintained by the Lubrication：Splash system；the oil circulation is maintained by the COOLING

Thermo－Syphon System：The very large water jackets and radiator
tanks used with a vertical tube radiator insure a continuous flow of water
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 and earing fan．
bein
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
PORIZER
VAPORIZER
kerosene vapor，and mixing it with fresk，vaporizer，which heats the plosive e ixture to the cylinders．To start the engine gasoline io used and affer about one minute，when the vaporizer is sufficiently heated， Fuel is supplied by gravity from a twenty－one gallon overhead tank． AIR WASHER

The air supply in drawn through water．The wear on the cylinder walls
is thus greatly reduced because of all dust havirg been removed from CLUTCH

TRANSMISSION
Constant mesh，selective type，three apeeds 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 en－ tirely enclosed and zuns in oil．

## differential

Four pinion bevel type and is carried on ball bearingsa
REAR AXLE
FRONT AXLE
＂T＂－beam section．Drop forging made of vanadium steel．It is at－
tached in the center directly to the front of the engine，giving a three－ point suspension to the tractor．
WHEELS
Front Wheels have steel spokes cast on the hub and riveted to steel
rims．Whey are mounted on
Rear
Rear Wheels also have the spokes cast in here hab 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．
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 63 inches，tread between wheels being 38 BELT PULLEY
or 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 1000 revolutions per minute．The pulley is
nine nine inches in diameter and uses a six－inch belt．This equipment is CONTROL

Steering is by bevel pinion and sector，being entirely enclosed and lubri－ cated by oil splash．The steering wheel is located in the center of the
tractor．Direcitly under it is the throttle lever．The spark lever is
Dis． 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 ce
TRACTOR SPEEDS
Plowing speed is $23 / 4$ miles per hour；low speed $11 / 2$ miles per hour；
high speed $63 / 4$ miles per hour，and reverse speed $21 / 2$ miles per hour．
This is calculated on engine speed of 1000 R．P．M．

