

FOR GREATER EARNING POWER ON THE FARM



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MANUAL PREVIEW

Wallis
Catalog

Sales Catalog
For 1915

Catalog

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WA-C-ALL1915

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WALLIS

20-30 TRACTOR



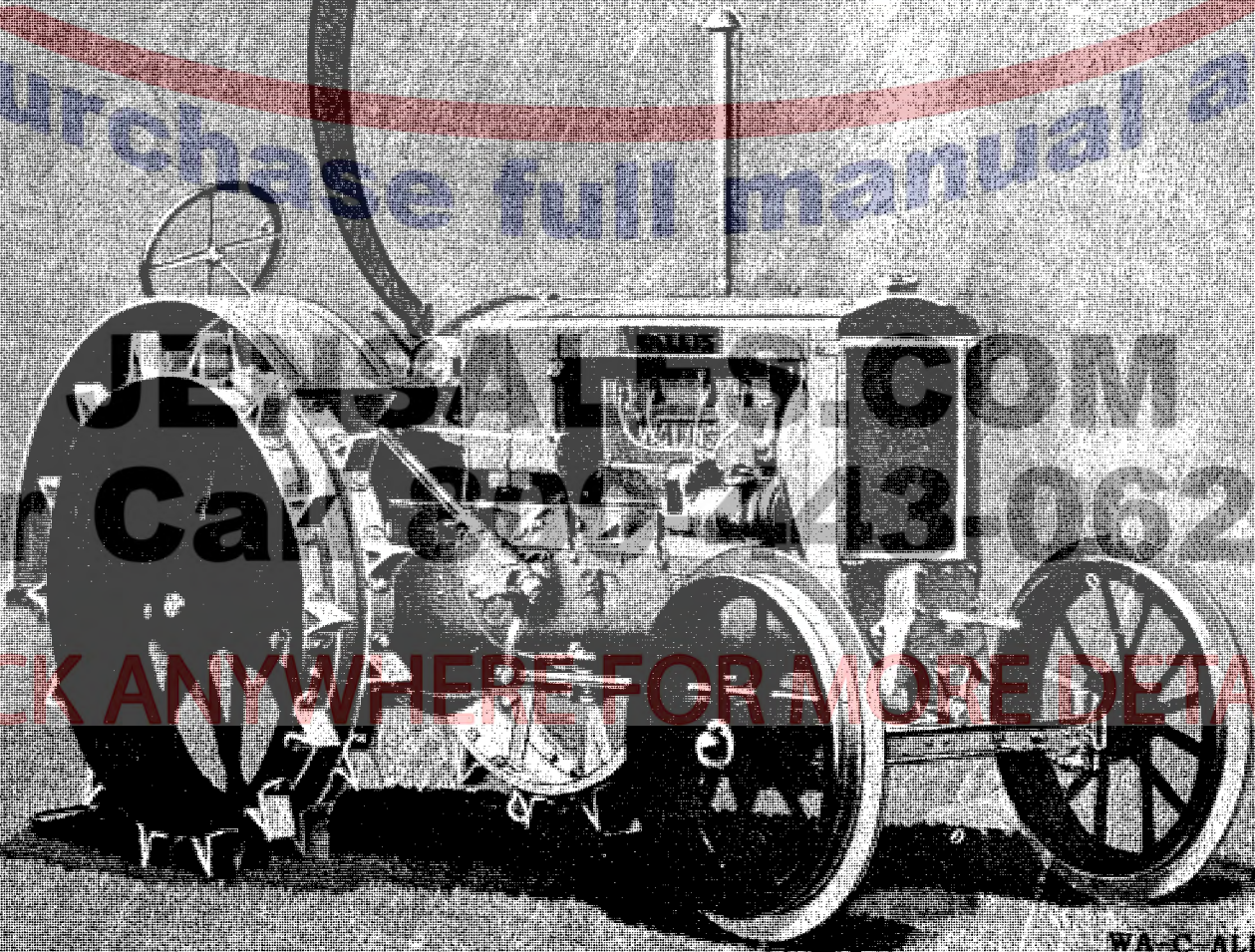
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WA-C-ALL1915

History of the WALLIS

IN the year 1902, realizing the advantages of the 4 cylinder, fast moving tractor over the heavy, slow, steam or single cylinder type, a tractor was built, later to be known as the WALLIS BEAR—it pulled ten fourteen-inch plows.

After a few years' work in the field with the Bear, Wallis Engineers could see the coming demand for a lighter weight enclosed 4 cylinder tractor.

In 1912 the WALLIS CUB was built, weighing 8350 lbs. and pulled four to six plows. It was on this model that the first WALLIS—*Patented Boiler Plate U-Shaped Combination Frame and Crank Case* was first used.

Little did the Industry realize, at that time, that from this Tractor would come the basic design which would give to it the light weight, thoroughly enclosed tractor recognized as

“America's Foremost Tractor” The WALLIS

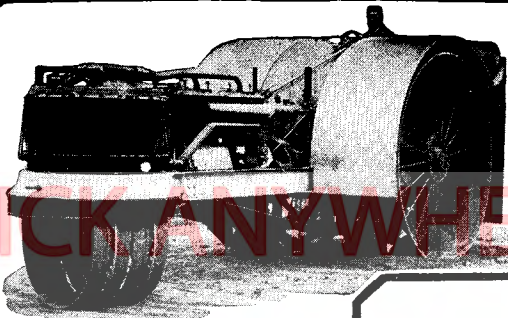
By 1915 Wallis Engineers were convinced that the majority of the farmers would demand a farm tractor of the four cylinder, enclosed gear type, weighing about 4,000 lbs. and to pull three plows. With the famous Wallis Patented Boiler Plate U-Shaped Frame as a base, the life of the present day Wallis began and was known as the Wallis Cub Junior or Model J—of the three wheel type. It met the requirement—in an industry which was new, refinements were a natural result. So in harmony with the recommendation of Wallis Owners the Cub Junior was converted to a four wheel type known as the Model K. Progress in the field of experience developed the Model OK, which became

“The Measuring Stick of the Tractor Industry”

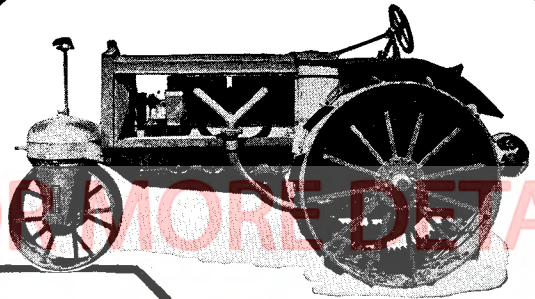
Having reached the point where throughout 11 years of continuous economical performance the Wallis has proved itself Supreme, we turn to our President's statement in 1927—

“Our job is to continue keeping the Wallis Supreme...” with the result, we offer with pride and confidence as detailed in the following pages—

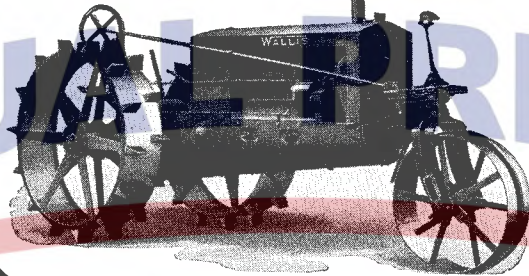
WALLIS
20-30 TRACTOR 



1915
"Model J"



1902—"Bear"

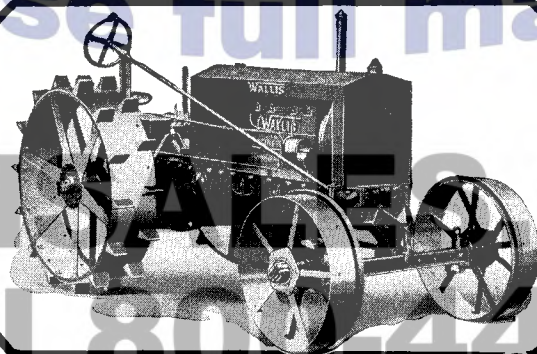


1912 "Cub"



WALLIS
TRACTORS

1922 "Model OK"



1927-28 "Certified"

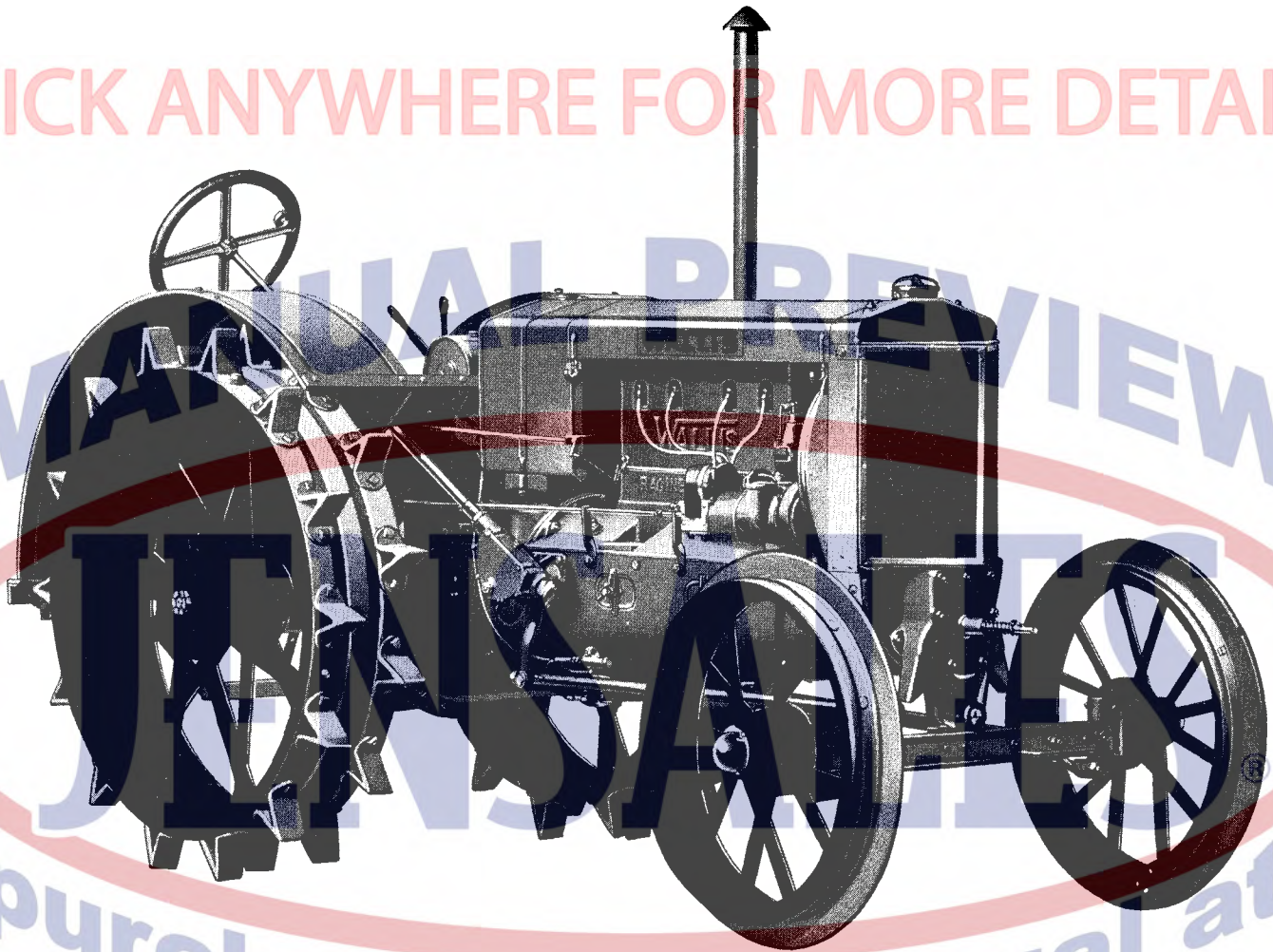


1919
"Model K"



WALLIS

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WALLIS 20-30 TRACTOR

Certified

Speed—Low $2\frac{3}{4}$ M.P.H. High $3\frac{1}{3}$ M.P.H.

Type of Engine—Vertical 4-cylinder, 4 cycle, valve-in-head. Cast in block, with removable honed cylinder sleeves machined to an even wall thickness. Bore $4\frac{3}{8}$ inches. Stroke $5\frac{1}{4}$ inches.

Motor Speed—Normal R.P.M. 1,050.

Crank Shaft—Balanced chrome vanadium steel, heat treated—all bearings $2\frac{1}{4}$ " diameter.

Oiling System—Positive gear driven pump and splash.

Ignition—High tension Magneto, with impulse starter.

Carburetor—Gasoline, Kerosene or Distillate.

Vaporizer—Rodger's Fuel Saving.

Governor—Fly Ball, Variable speed

Cooling System—Tubular Type Radiator, enclosed. Water capacity— $6\frac{3}{4}$ gallons.

Circulation—by centrifugal pump.

Clutch—Three plate type.

Belt Pulley—19" diameter by 7" crown face, balanced, steel, running 475 R.P.M. Located on left hand side, running forward.

Transmission—Wallis special, enclosed; two speeds forward, one reverse. Gears all drop forged, machine cut teeth and hardened.

Bearings—Timken adjustable bearings and ball bearings throughout.

Drive Wheels—48" diameter by 12" face.

Frame—Wallis patented, boiler plate, "U" shape.

Wheel Base—84 inches. Tread 49 inches.

Weight—4136 pounds.

Power—S.A.E. Recommended Rating, Drawbar 20 H.P., Belt 30 H.P.

Height Over All—55 inches.

Length Over All—131 $\frac{1}{2}$ inches.

Fuel Tank Large—20 gallons.

Auxiliary Gas Tank—1 $\frac{3}{4}$ gallons.

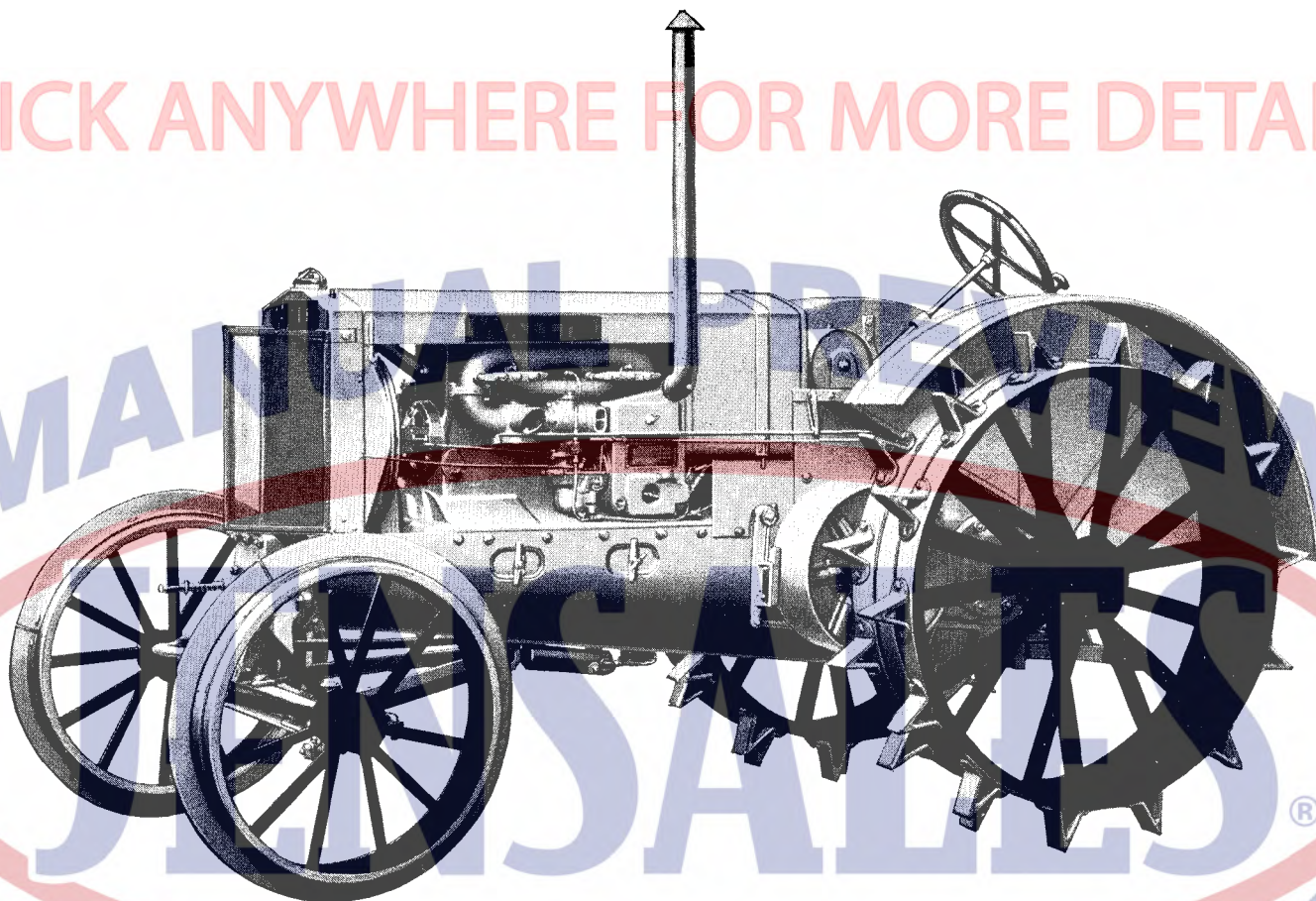
Vaporizer Water Tank—1 $\frac{1}{4}$ gallons.

Traction Lugs—Special Massey-Harris two bolt 5" drop forged steel spade lugs are standard; 6" also available at slight additional cost.

Turning Radius—14 feet.

Certified

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Results Drawn from Official Test No. 134

(Printed in full on page 24)

The Official Test No. 134 shows that—

The Wallis "Certified" Tractor pulled 75% of its weight on the drawbar at 2.98 M. P. H.

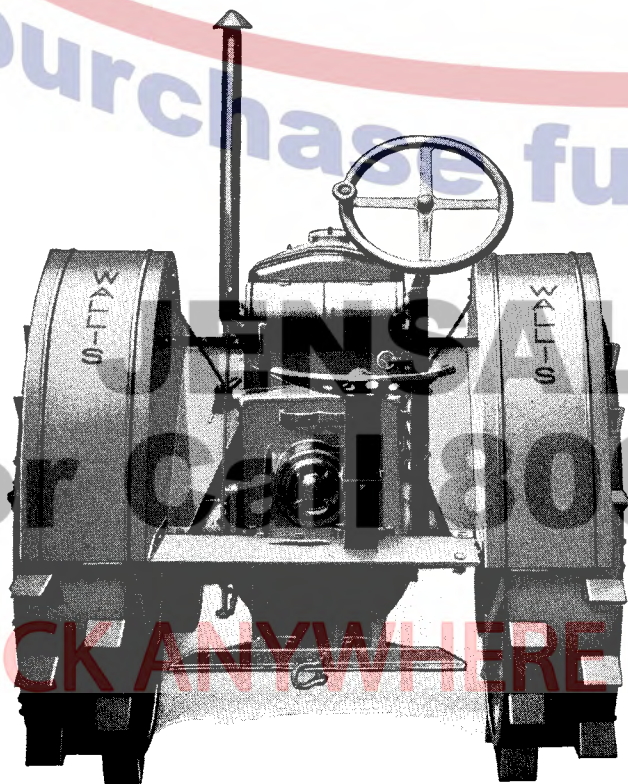
It delivered 76.55% of its maximum belt power to the drawbar—

It delivered One Horse Power at the drawbar for each 168 lbs. of its Lincoln Test Weight—

It developed One Horse Power at the drawbar for each 12.8 cubic inches of piston displacement—

It developed 7.68 Horse Power with each gallon of Distillate used per hour—(which was the highest fuel economy ever officially recorded for any wheel tractor approaching it in weight and piston displacement).

It accomplished all of this burning DISTILLATE with a perfect score.



Gallons, as noted above and elsewhere herein, refer to U. S. gallons of 128 ounces.