

"Waterloo Champion" Separators, Steam Traction Engines and "Heider" Light Weight Farm Tractors

NINE YEARS of actual field work has proven the superiority of the "HEIDER" ONE-MAN ALL-PURPOSE TRACTOR.

SPECIFICATIONS MODEL "C"

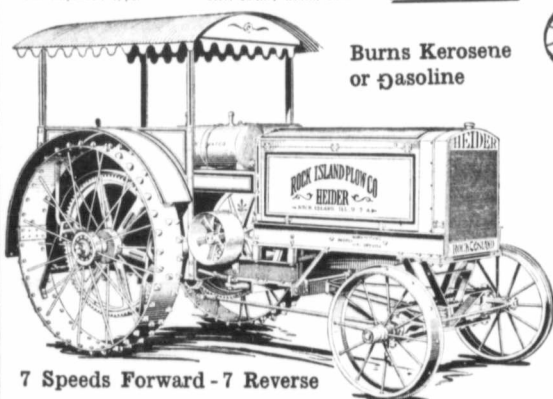
HORSE POWER—12.20.
DRAW BAR—12 H.P.
BELT POWER—20 H.P.
FUEL—Gasoline or kerosene.
FUEL CAPACITY—21 gallons.
WATER CAPACITY—7 gallons.
WEIGHT—6000 pounds.
IGNITION—Dixie magneto, with starter coupling.
TRACTOR SPEED—1 to 4 miles per hour.
BELT SPEED—100 to 800 revolutions per minute.
CARBURETOR—Kings ton improved type.

MOTOR—4 cylinder, 4-cyl. 4 1/2 in. bore; 6 1/2 in. stroke. Enclosed valves. Special heavy duty Wankensha tractor motor.
LUBRICATION—Splash system.
FRAME—Steel.
HEIGHT—8 ft. including top.
WIDTH—6 ft. 2 in.
LENGTH—12 ft.
WHEEL BASE—96 in.
REAR WHEELS—Diameter, 37 in.; width, 10 in.
FRONT WHEELS—Diameter, 30 in.; width, 5 in.

EVERY PIECE OF OUR MACHINERY BEARS THE "WATERLOO" BRAND OF EXCELLENCE

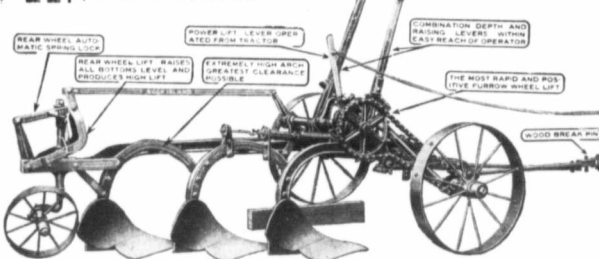
FOREMOST IN CANADA FOR OVER SIXTY YEARS

Burns Kerosene or Gasoline



7 Speeds Forward - 7 Reverse

2, 3 or 4 Bottoms



Rock Island Plows. Work Behind Any Tractor

Separator Sizes: 24-36, 28-42, 33-52, 36-56 and 40-62

See the "HEIDER" TRACTOR demonstrating its superiority as a real ALL-PURPOSE FARM TRACTOR at the BRANDON FAIR, July 16th to 20th. Our full line will be on exhibit. Make Our Tent Your Headquarters.

ASK FOR FREE CATALOGUE

The Waterloo Manufacturing Co. Ltd.

WESTERN HEAD OFFICE: PORTAGE LA PRAIRIE, Man. BRANCH OFFICE: REGINA, Sask.



Chaffless Coffee is Not Injurious

But it IS Delicious



9

Sold Standard

even stream. The beater is there to prevent backlash and winding of the cylinder and to keep the straw spread out in a thin, even stream. The heavy adjustable check apron just back of the beater should be kept down in windy weather, to check draft through machine. Most separators have another canvas curtain farther back and these curtains should be replaced if they come out as they prevent beater throwing grain and straw too far back to the rear. The chaffer and adjustable sieves should be kept as wide open as it is possible, to do good work, according to the different kinds of grain being threshed. A good rule to set the adjustable sieve is to open it so that a small quantity of chaff comes in the wheat in the wagon box and then close slightly. The windblast should be regulated by the fans, always remembering that the blast on the shoe is regulated by the opposite fan shutters.

The blower fans should be kept balanced, the same as the cylinder, and the shaft should be adjusted as the boxings wear, by the brace rods provided for that purpose. The blower pipe should be extended out so that it has the least bind.

The use of belt dressing is permissible only at times and should never be allowed to take the place of lacing, for in order to make every part do the work for which it is intended the belts must be

kept snugly laced and not allowed to slip.

In conclusion I would say that the most important points to keep in mind are: Leveling machine sideways, regular feeding, sharp knives, proper speed, balanced and centered cylinder, proper adjustment of the concaves, properly adjusted chaffer, shoe and blast with a machine that keeps going, these few things properly attended to, will go a long way towards earning one the reputation of a good and successful thresher.

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