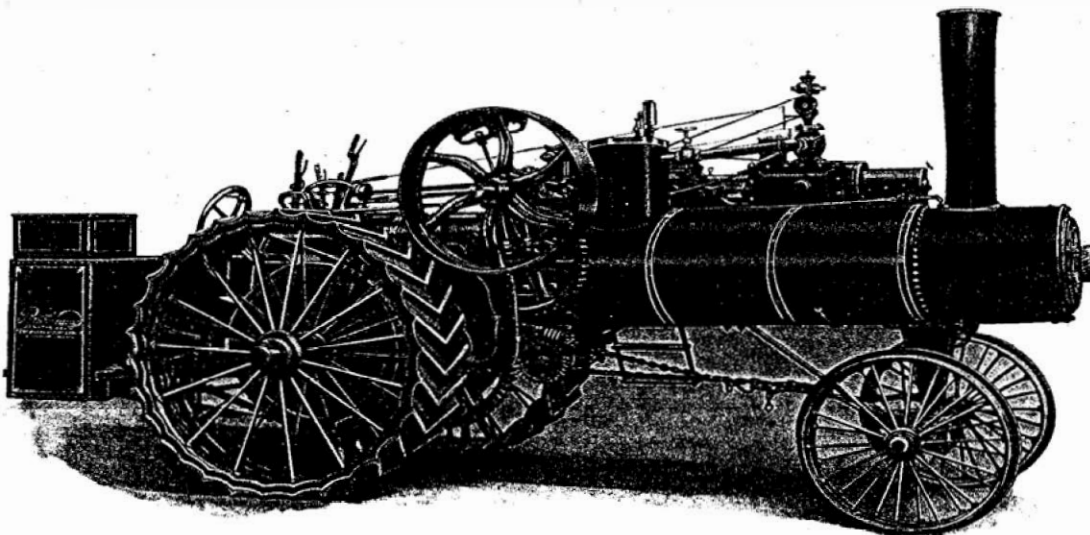


Port Huron 19-65 Longfellow High-Pressure Compound—Cylinder Side.

Specifications of 19-65 H. P. Engine

HORSE POWER—Brake Rating 65, Nominal Rating 19.
CYLINDERS—Diameters 6½" and 9¾"; Stroke 10"; Balanced Valve.
SPEED—Revolutions per minute 250.
FLY WHEEL—Diameter 40", Face 10½"; Weight 500 lbs.
DRIVE WHEELS—Diameter 71", Face 20"; Self-Cleaning.
FRONT WHEELS—Diameter 39", Face 9"; Tracks with ordinary wagon.
REAR AXLES—Diameter 4", Reversible and Removable; Width of bracket 18", Height 21", Number of bolts in each 12.
COUNTERSHAFT—Diameter 3½", Open Hearth Steel; Bracket Cast Steel.
CRANKSHAFT—Diameter 3".
CRANK PIN—Diameter 2¾", Length of bearing 2½".
GEARING—Width of face 4"; Involute style of teeth.

BOILER—Diameter of shell 27½"; Length of Smoke Box 26¾"; Width of Fire Box 23", Length of Fire Box 37½"; Height of Fire Box 40"; Tubes diam. 2", Length 108", Number 36; Total Heating Surface 213 sq. feet; Height above crown sheet 11"; Staybolt diam. ¾", Spacing 4"; Plate Thickness Shell ¾", Butt Straps ¾", Dome Shell ¾", Dome Head ¾", Wagon Top ¾", Back Head ¾", Fire Box Door Sheet ¾", Fire Box Tube Sheet ¾", and other fire box sheets ¾", Smoke Box Tube Sheet ¾", Throat Sheet ¾".
STEAM PRESSURE—175 pounds.
WHEEL BASE—Distance from center of front wheels to center of drive wheels 10 ft. 4¾".
OVER-ALL DIMENSIONS—Width 8 ft. 2", Height 9 ft. 9", Length 19 ft.
WATER CARRYING CAPACITY—200 Gallons (two 100 gal. Tanks).
SHIPPING WEIGHT—Regular Domestic 17,300 pounds.



Port Huron 19-65 Longfellow High-Pressure Compound—Fly Wheel Side.

THE TOWNSHIP HAS #7240 19-65 LONGFELLOW ENGINE AND THRESHER STEAM ENGINE THAT WAS MANUFACTURED IN THE TOWNSHIP IN 1908. IT IS IN THE SHED WITH AN THRESHING MACHINE FROM THE SAME ERA.