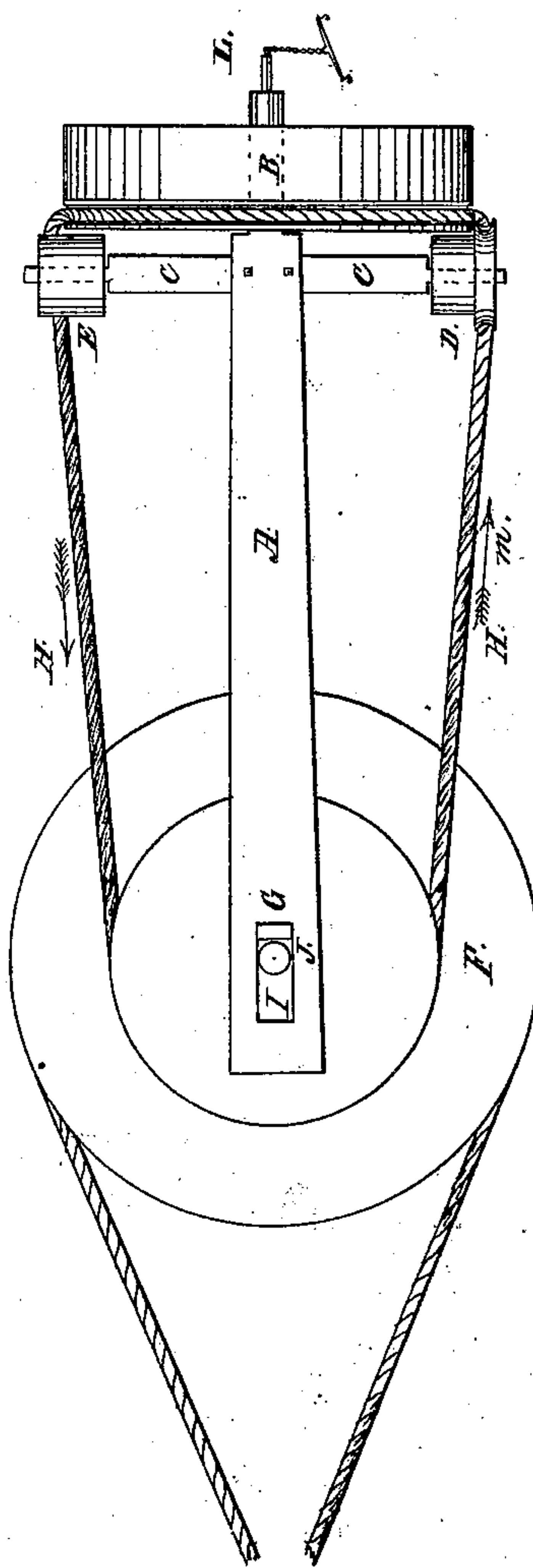
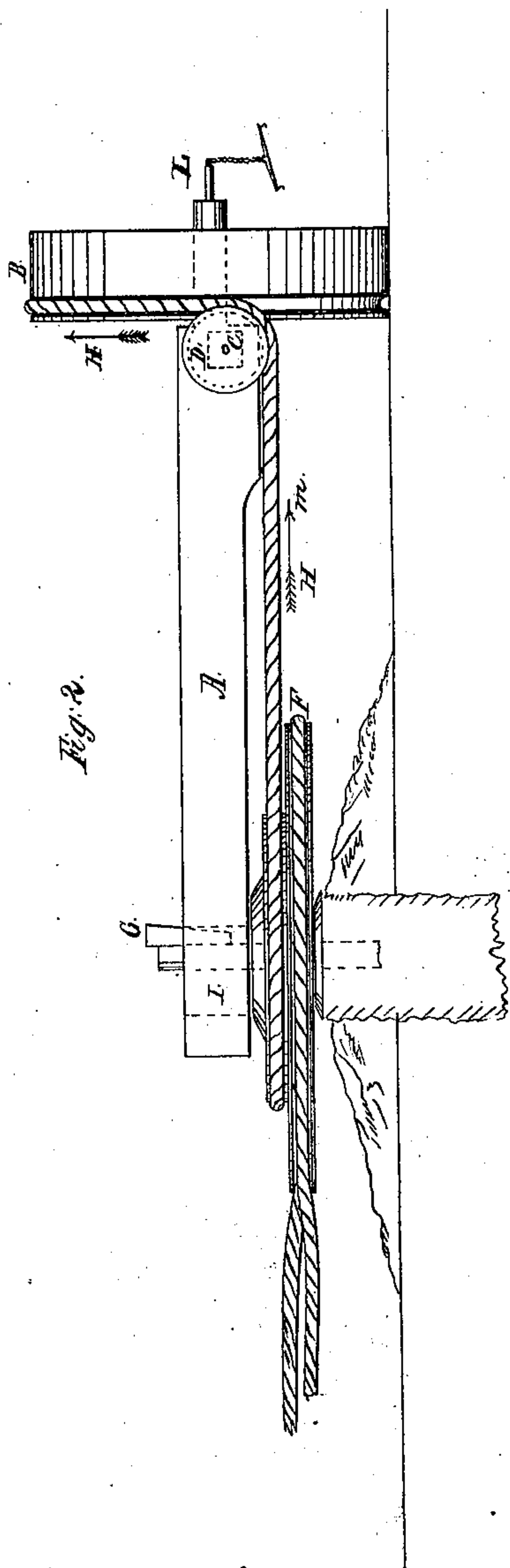


G. W. Swift,
Horse Power.

N^o 23,871.

Patented May 3, 1859.



Witnesses:

Edw. L. Tigg
J. W. Johnson

Inventor:

G. W. Swift

UNITED STATES PATENT OFFICE.

GEORGE W. SWIFT, OF OXFORD, MISSISSIPPI.

IMPROVEMENT IN PORTABLE HORSE-POWERS.

Specification forming part of Letters Patent No. 23,871, dated May 3, 1859.

To all whom it may concern:

Be it known that I, GEORGE W. SWIFT, of Oxford, in the county of Lafayette and State of Mississippi, have invented a new and useful machine, being a Portable Horse-Power for Driving and Giving Speed to Thrashers and other Machinery; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a bird's-eye view, and Fig. 2 an elevation.

Lever A has a mortise I, through which the anchor or perpendicular post G is inserted, the latter being firmly set in the ground and furnished with a shoulder one foot or more above the ground for the support of lever, as seen in the drawings. Roller B revolves on and supports the opposite end from mortise of lever A. Band-wheel F consists of a larger and smaller diameter and revolves on anchor G between lever A and the ground. The shaft C, attached to under side of lever A, is furnished at each end with idlers D and E. Cord or chain H connects with the smaller diameter of band-wheel F and also retained in groove on roller by means of idlers D and E, idler D having a groove or flange extending sufficiently over groove on roller B for cord H, after passing under idler D, to fall

into groove on roller B, and idler E aiding in retaining it there until its passage under the latter idler to band-wheel. The larger diameter of band-wheel has connection with machinery by belts or cords passing just under the surface of the ground outside of circle formed by roller B from band-wheel F, as represented by cord K, it being partly covered, so as to admit of the passage of the power and roller.

To operate this machine the power is attached to end L of lever A and moved to the left hand, or direction indicated by arrows *m*, where by the rotation of roller B upon the ground around anchor G an accelerated motion is given to band-wheel F by cord or chain H, the latter being tightened when it becomes necessary by driving wedges in the mortise I on side of anchor next roller B and cord K tightened by moving the machine to be driven from band-wheel.

What I claim as my invention, and desire to obtain by Letters Patent, is—

The arrangement of band-wheel F, shafts A and C, idlers D and E, roller B, and cord or chain H, the whole constructed and operating substantially as and for the purpose herein set forth.

GEO. W. SWIFT.

Witnesses:

D. W. FAGGERT,
M. C. DUATON.