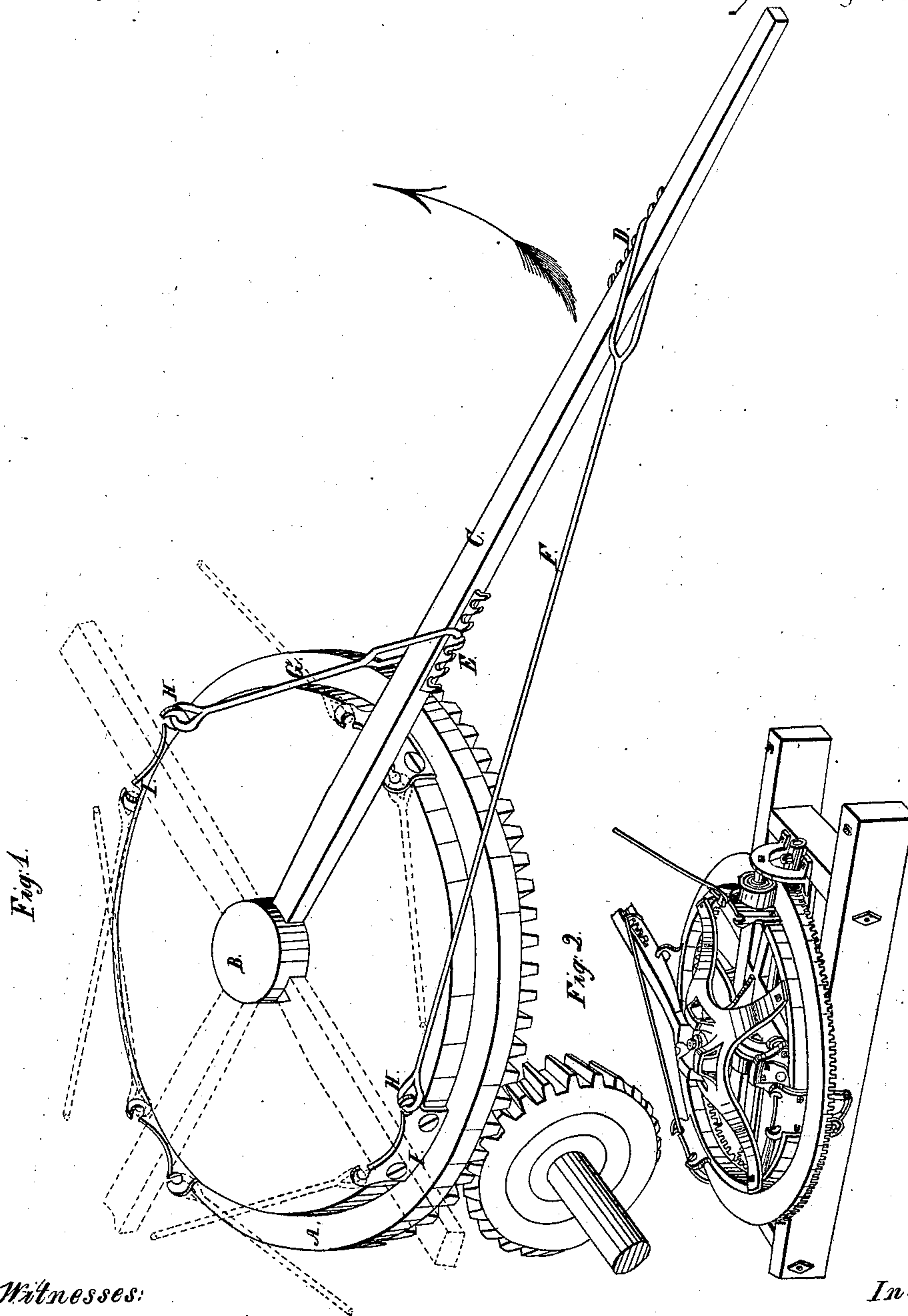


C. Lane,
Horse Power.

N^o 23,809.

Patented Apr. 26, 1859.



Witnesses:

John R. Clark
Jacob A. Zeller

Inventor:

Clark Lane

UNITED STATES PATENT OFFICE.

CLARK LANE, OF HAMILTON, OHIO, ASSIGNOR TO OWENS LANE, DYER & CO., OF SAME PLACE.

HORSE-POWER.

Specification of Letters Patent No. 23,809, dated April 26, 1859.

To all whom it may concern:

Be it known that I, CLARK LANE, of Hamilton, Butler county, Ohio, have invented a new and useful Improvement in Horse-Powers; and I hereby declare the following to be a full and exact description of the same, reference being had to the accompanying drawings, making part of this specification.

My invention relates to an improved method of attaching and adjusting sweeps to the master wheel of a horse power.

Figure 1, represents in perspective the parts immediately concerned in my improvement. Fig. 2, shows the master wheel as improved and attached in the frame.

A, represents the master wheel, B, is the hub of the wheel, C, is a sweep provided with racks, D, E, to receive the loops of the front stay rods F, and the back stay rods G, respectively. There are four of these sweeps, one end of each is fitted into a mortise in the hub B. On the rear end of the rods F are formed eyes which engage over hooks H projecting from the brackets or "stand plates" I, which support the preceding and succeeding sweep respectively. The stand plates I, are secured to the flange on the master wheel by screw bolts so that in case one of the hooks should break it can readily be replaced.

The ratchet plates may be made of wrought or cast iron and attached by either

being led into a small groove in the face of the sweep, or simply securing them by nailing with common wrought nails.

This arrangement affords a ready means of adjustment without the use of tools either to tighten or fasten the stay rods. The loops of the rods being slipped over the sweeps and the eyes on the rear end of the rods caught in the hooks H, the loops are strained into their appropriate places on the racks by simply springing the sweep back or forward as the case may be. It will be seen that this mode of straining is effected in much shorter time than by the existing customary mode and involves no serious weakening of the sweeps. This invention is so fully represented in the drawings as to render further description unnecessary.

The particular improvement which constitutes my said invention and which I claim as having been originally and first invented by me, is—

The construction and adaptation of the stay rods F, G, with the hooked stand plates I, I, and racks D E on the sweeps C, or their equivalents in combination as set forth.

In testimony of which invention I hereunto set my hand.

CLARK LANE.

Witnesses:

JOHN R. CLARK,
JACOB A. ZELLER.