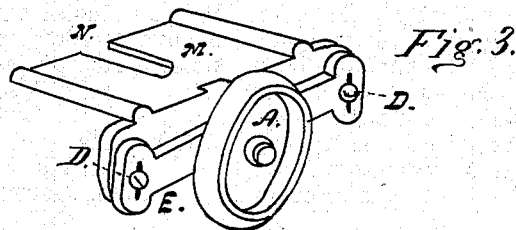
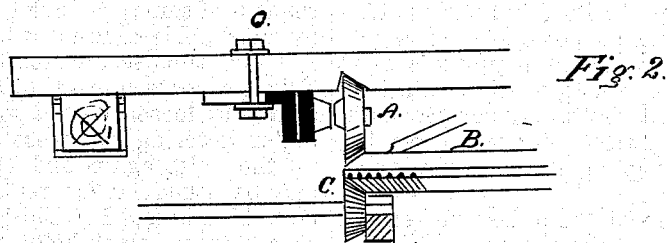
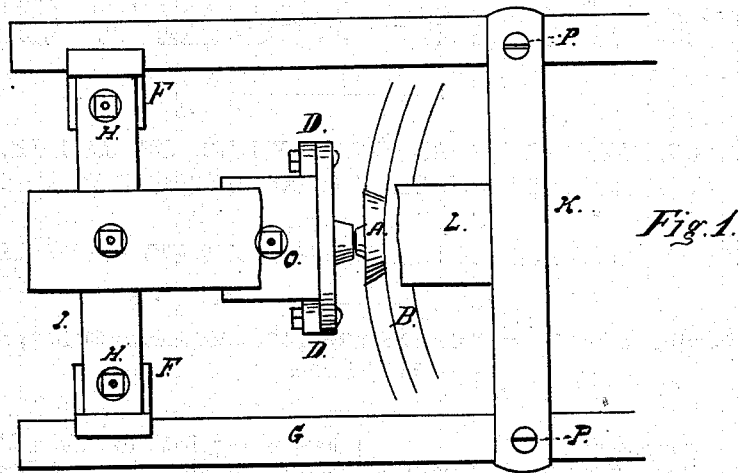


M. B. ERSKINE & C. A. WEED.
 ADJUSTABLE TIGHTENING ROLLERS AND REMOVABLE GIRTS.
 No. 186,466. Patented Jan. 23, 1877.



WITNESSES:
 A. H. Schattenberg
 S. H. Zetler.

INVENTOR:
 Messrs. B. Erskine
 Clinton A. Weed
 By J. W. Smith
 Their atty in fact.

UNITED STATES PATENT OFFICE.

MASSENA B. ERSKINE AND CLINTON A. WEED, OF RACINE, WISCONSIN,
ASSIGNORS TO J. I. CASE & CO., OF SAME PLACE.

IMPROVEMENT IN ADJUSTABLE TIGHTENING-ROLLERS AND REMOVABLE GIRTS.

Specification forming part of Letters Patent No. **186,466**, dated January 23, 1877; application filed
June 26, 1876.

To all whom it may concern:

Be it known that we, MASSENA B. ERSKINE and CLINTON A. WEED, of Racine, in the county of Racine, in the State of Wisconsin, have invented certain Improvements in Adjustable Tightening-Rollers and Removable Girts, of which the following is a specification:

Our invention has for its object the tightening the gearing of horse-powers by means of an adjustable roller, and removing the girt, so as to take out the roller, which is attached to same, and permit the taking out the shaft for repairs or otherwise. A more particular description will be given of same in the following specification.

Figure 1 is a view of the roller and removable girt; Fig. 2, a sectional view of the roller in position holding the gear to the driving-pulley, and Fig. 3 a view of the roller and its adjustable holders.

A is the adjustable roller; B, the gear, which is held by the roller to the driving-pinion; C, driving-pinion; D D, adjustable bolts and nuts passing through slots in the ends of piece which hold the roller, and into the metal piece which sustains the piece E; E, a metal piece which holds roller A, with slots in its ends. This piece may be raised or lowered, as

may be required, to hold roller A up to the gear; F F, end pieces with pockets secured to the frame G, into which the ends of girt I rest; H H, bolts which secure the ends of girt I in the pockets of pieces F F; K, cross-bar of the frame, to which girt L is attached; M, a metal frame, through which bolts and nuts D D hold piece E up to through slots in the end of same; N, a slot in metal frame M, by which M is secured by bolt O to girt L; P P, bolts which secure cross-bar K to frame G.

This roller is adjusted to run as may be necessary by loosening the bolts D D, and raising or lowering the piece E, and tightening up the bolts again, and the roller and girt may be taken out for repairs by taking out bolts H H and P P. This will allow the roller, and frame which holds same, to be removed from the frame of the horse-power.

We claim as new, and as our invention—

Adjustable roller A, metal piece E, bolts D D, and metal frame M, in combination with removable girt I, girt L, and cross-bar K, substantially as described.

MASSENA B. ERSKINE.
CLINTON A. WEED.

Witnesses:

FRANK P. BULL,
J. E. FERGUSON.