J. M. REPLOGLE.
Mill-Spindle.

No. 210,268. Patented Nov. 26, 1878.

FIG 1

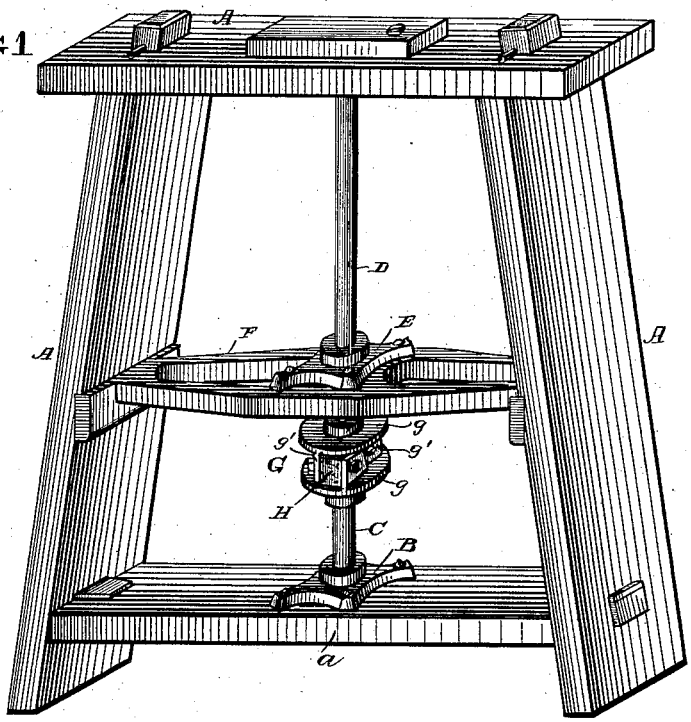


FIG 2

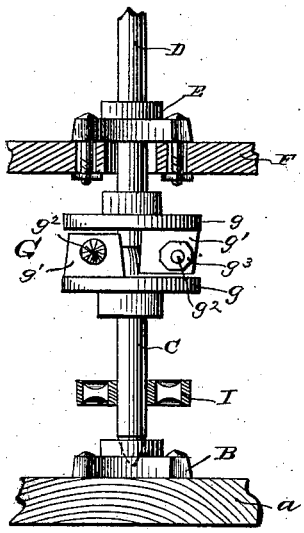


FIG 3

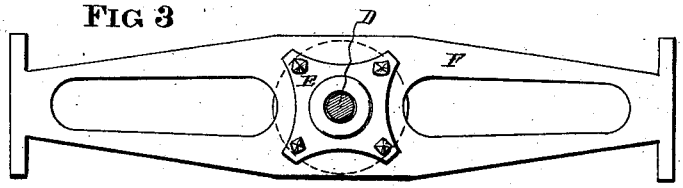


FIG 4

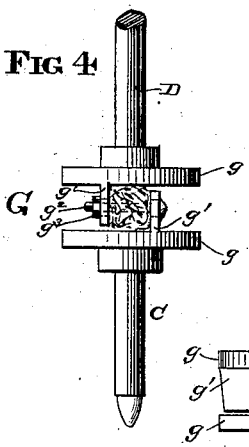


FIG 6

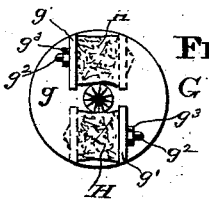
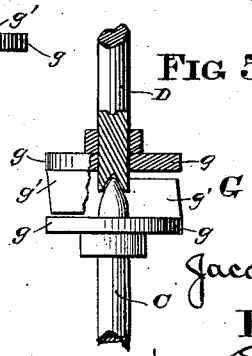


FIG 5



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UNITED STATES PATENT OFFICE.

JACOB M. REPLOGLE, OF FARRAGUT, IOWA.

IMPROVEMENT IN MILL-SPINDLES.

Specification forming part of Letters Patent No. **210,268**, dated November 26, 1878; application filed September 19, 1878.

To all whom it may concern:

Be it known that I, JACOB M. REPLOGLE, of Farragut, in the county of Fremont and State of Iowa, have invented certain new and useful Improvements in Mill-Spindles; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification, and in which—

Figure 1 is a perspective view of my improved mill-spindle. Fig. 2 is a front elevation, with the bridge-tree in section. Fig. 3 is a top view of the bridge-tree and tram-pot. Figs. 4 and 5 are detail views, showing the arrangement of the coupling; and Fig. 6 is a similar view, showing the rubber springs abutting against the spindles.

Corresponding parts in the several figures are denoted by similar letters of reference.

My invention appertains to certain improvements in mill-spindles; and it consists of the combination and arrangement of parts, substantially as hereinafter more fully described and claimed.

In the annexed drawings, A marks a suitable upright frame or husk, to the lower cross-piece, *a*, of which is secured an ink or step, B, which receives the toe of the spindle C. A cock-head is formed on the upper end of the spindle C, upon which rests the step formed on the lower end of the upper spindle, D. This spindle D is held in position by means of the adjustable tram-pot E, secured to the bridge-tree F, through which the said spindle passes.

The ends of the bridge-tree are bolted or otherwise secured to the upright pieces of the husk or frame A.

The holes or perforations in the bridge-tree F, which receive the bolts of the tram-pot E, and also the spindle, are made somewhat larger than said bolts and spindle, to provide for lateral adjustment, as shown in Fig. 2.

The adjoining ends of the spindles C and D are coupled or held together by means of the coupling G, which is composed of two circular plates, g g, formed one on each spindle, having each two projecting lugs, g^1 g^1, disposed on opposite sides and ends to each other, between which are arranged two rubber cushions or springs, H H, the whole being secured or fastened together by means of screw-bolts g^2 g^2, passing through the lugs and springs, and held on opposite sides by the nuts g^3. g^3, as clearly shown in the drawings.

The springs H H abut against the spindles C and D, rendering the said springs very effective.

I is a pulley attached to the lower spindle, which receives a belt to communicate motion to the spindles.

In practice, the upper spindle, D, passes through the eye of a bed-stone, and is secured in any suitable manner to the runner.

The tramming is done by means of the adjustable tram-pot E, secured to the bridge-tree F.

My device takes all the backlash off the burrs, does away with the noises usual to mills run with tight gearing, seldom gets out of tram, requires less burr-dressing, and takes less power to grind the same amount of grain.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The spindles C and D, having their adjoining ends coupled or held together by a coupling, G, provided with rubber or other suitable springs H, substantially as and for the purpose set forth.

2. In combination, with the spindles C and D, having their adjoining ends held or coupled together, of the adjustable tram-pot E and bridge-tree F, substantially as and for the purpose set forth.

3. The coupling G, composed of the plates g, lugs g^1 g^1, nutted bolts g^2 g^3, and springs H, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own I hereunto affix my signature in presence of two witnesses.

J. M. REPLOGLE.

Witnesses:
H. ROGERS,
SIMON CROWN.