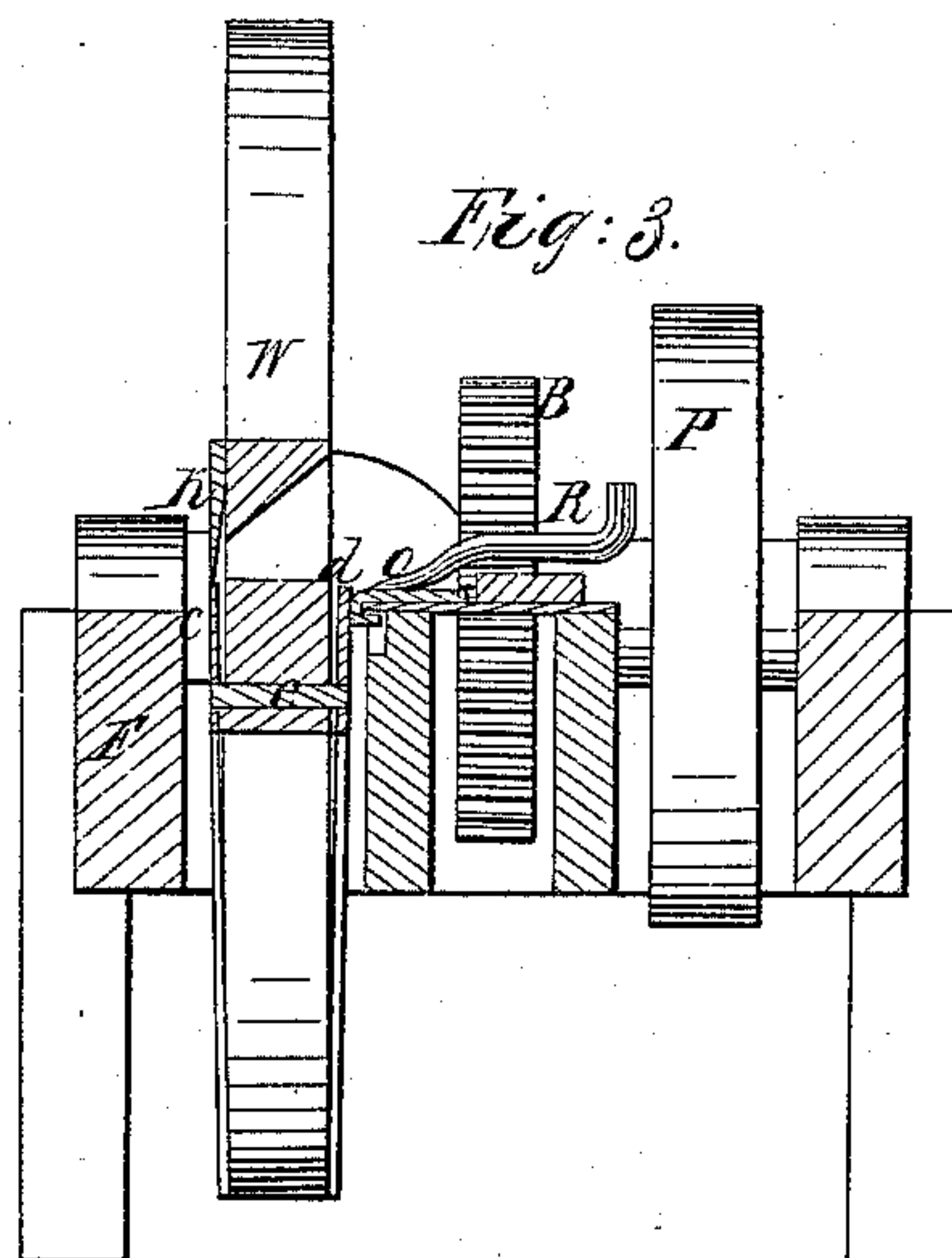
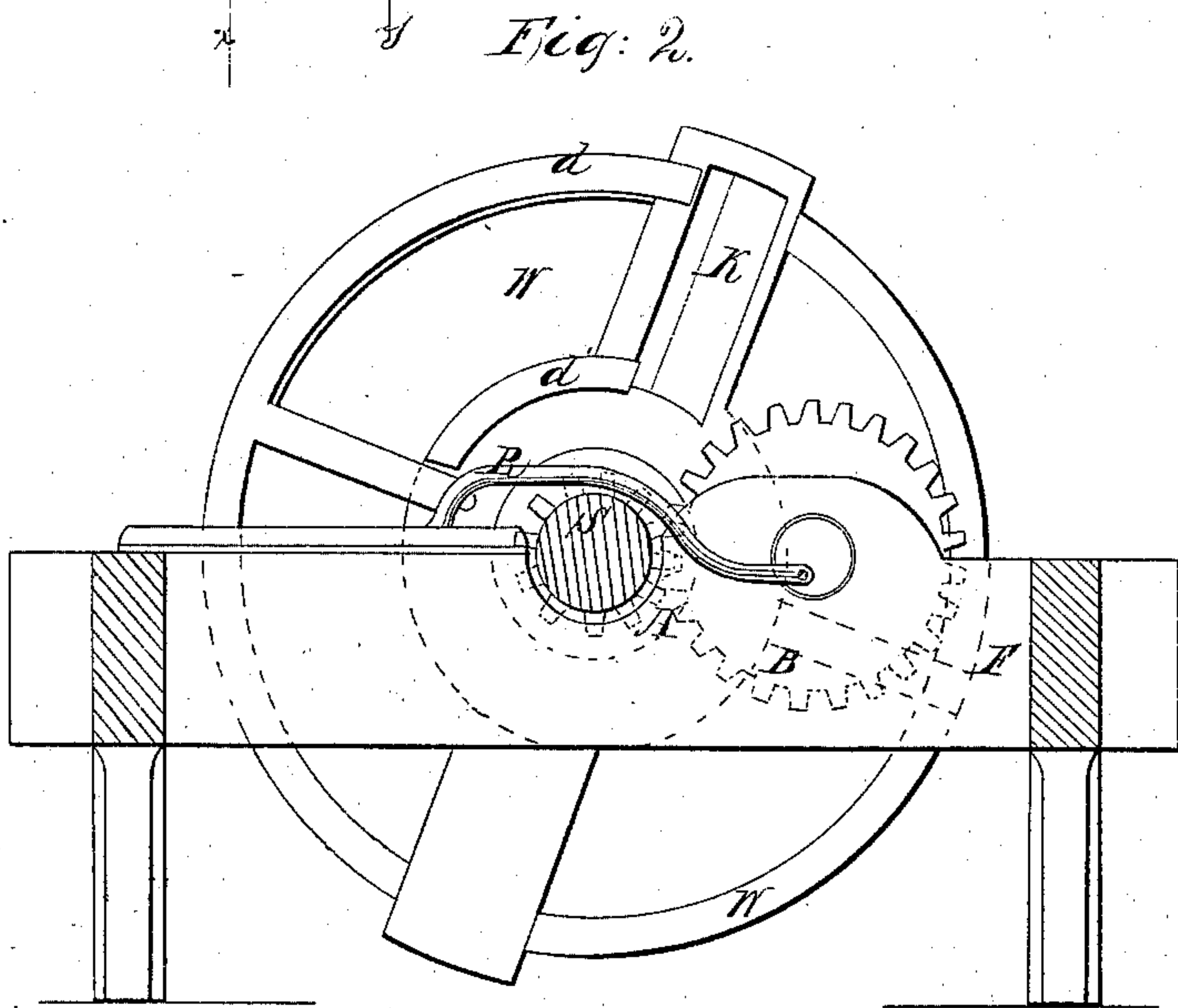
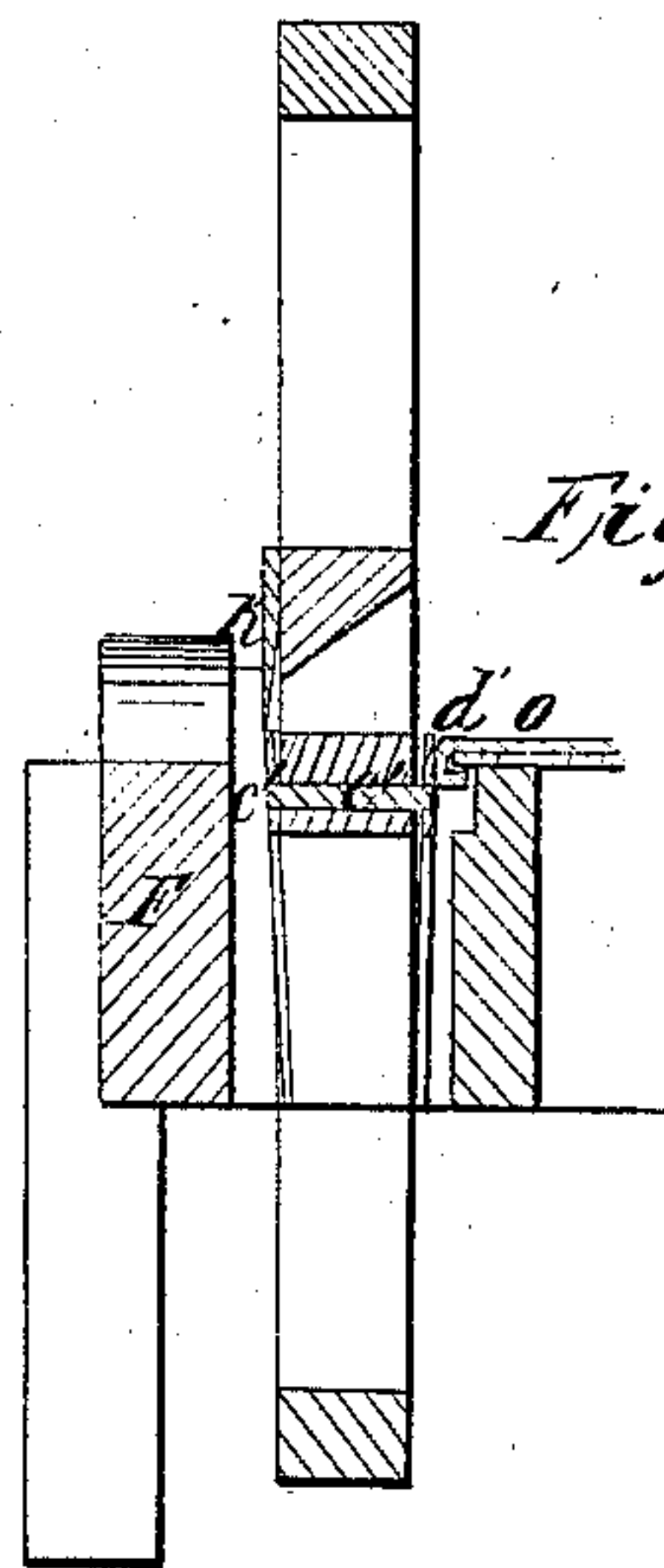
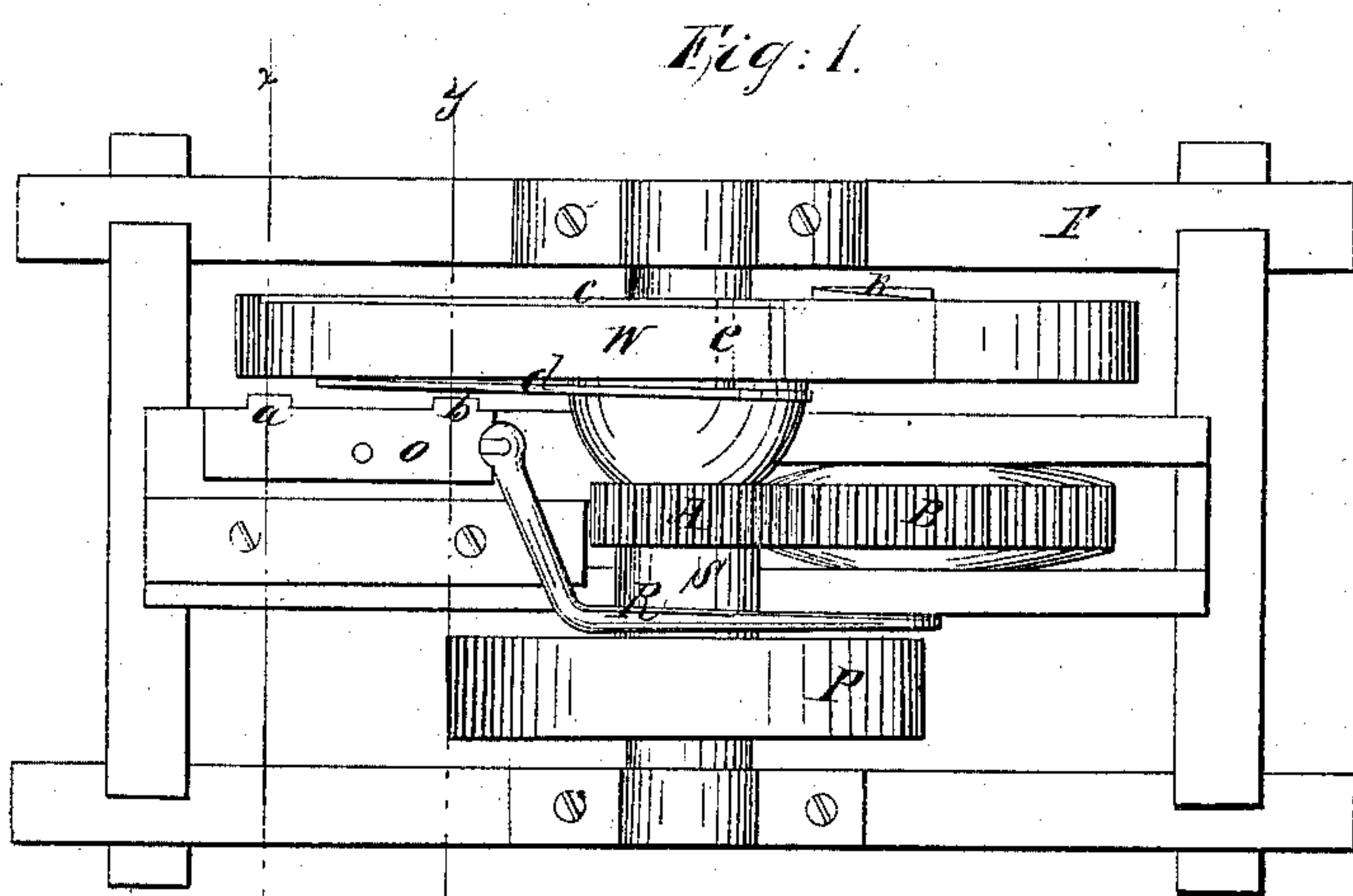


A. Olcott,
Cutting Shingles.

N^o 23,109.

Patented Mar. 1, 1859.



Witnesses:
N. Styles
A. Damon

Inventor:
Aaron Olcott

UNITED STATES PATENT OFFICE.

ANSON OLCOTT, OF LAKEPORT, NEW YORK.

ROTARY SHINGLE-MACHINE.

Specification of Letters Patent No. 23,109, dated March 1, 1859.

To all whom it may concern:

Be it known that I, ANSON OLCOTT, of Lakeport, in the county of Madison and State of New York, have invented a new and
5 useful Improvement in Shingle-Machines; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawing, forming part of this specification,
10 in the several figures of which similar characters of reference denote the same part.

Figure 1 is a top view of the machine. Fig. 2 is a side view of the same. Fig. 3 is a vertical section on line *x x*, in cutting
15 position. Fig. 4 is a vertical section on line *y y* in cutting position.

This is a rotary shingle machine with a single knife against which the bolt is to be fed in the usual manner, the nature of the
20 invention consisting in the combination of devices for shifting the position of the bolt so as to cut the butts alternately from opposite ends thereof.

In the drawing F is the frame supporting shaft S carrying main wheel W. Upon this
25 wheel is the cutter K secured and operating in the usual manner. The shaft S also carries a cog wheel A which meshes with a wheel B, eccentrically connected by the rod R with a
30 slide O, so that as the main wheel W revolves, there ensues a reciprocation of the slide O.

Upon the wheel W are concentric guides *c c'* connected by pins *e e'* with correspond-
35 ing pieces *d d'* on the other side of the wheel.

These last pieces are springs having a tendency from the wheel; so that their natural effect is to draw the guides *c c'* flat upon the wheel, all of these pieces being secured to the wheel at one extremity. 40

The slide O has two projections *a* and *b* which in succession are made to press against one of the pieces *d d'*, and thus cause the guides *c c'* to be alternately thrust forward, as the main wheel revolves. The bolt being
45 fed up to the wheel is thus given the requisite position just before the cut takes place, and the shingles are cut with butts alternately from opposite ends of the bolt.

The projections *a b* of the slide O may be
50 made adjustable so that the thickness of cut may be regulated.

I make no claim to any of the parts of the machine separately considered, but

What I claim and desire to secure by Let-
55 ters Patent, is—

The combination of guides *c c'*, springs *d d'* connected therewith, slide O reciprocated from the movement of the cutter wheel, and the single cutter K; the whole con-
60 structed, arranged and operating substantially as described.

In testimony whereof, I have hereunto signed my name before two subscribing witnesses.

A. OLCOTT.

Witnesses:

HARRY OLCOTT,
HAMILTON BEECHER.