

J. P. BECK, J. F. SHOEMAKER & J. H. WEAVER.  
IMPROVEMENT IN MACHINES FOR SMOOTHING AND CORNERING PANELS.

No. 151,531.

Patented June 2, 1874.

Fig. 1.

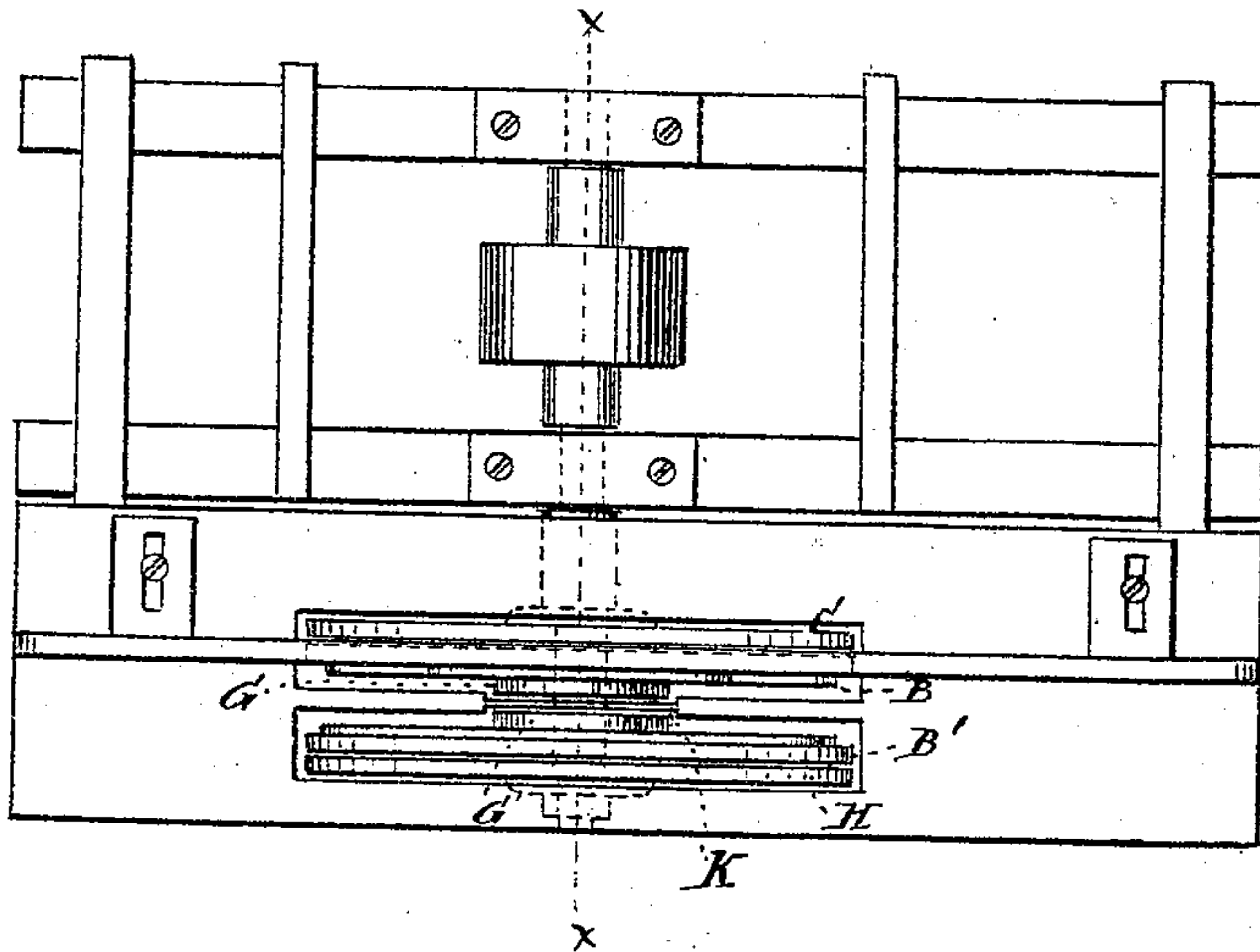
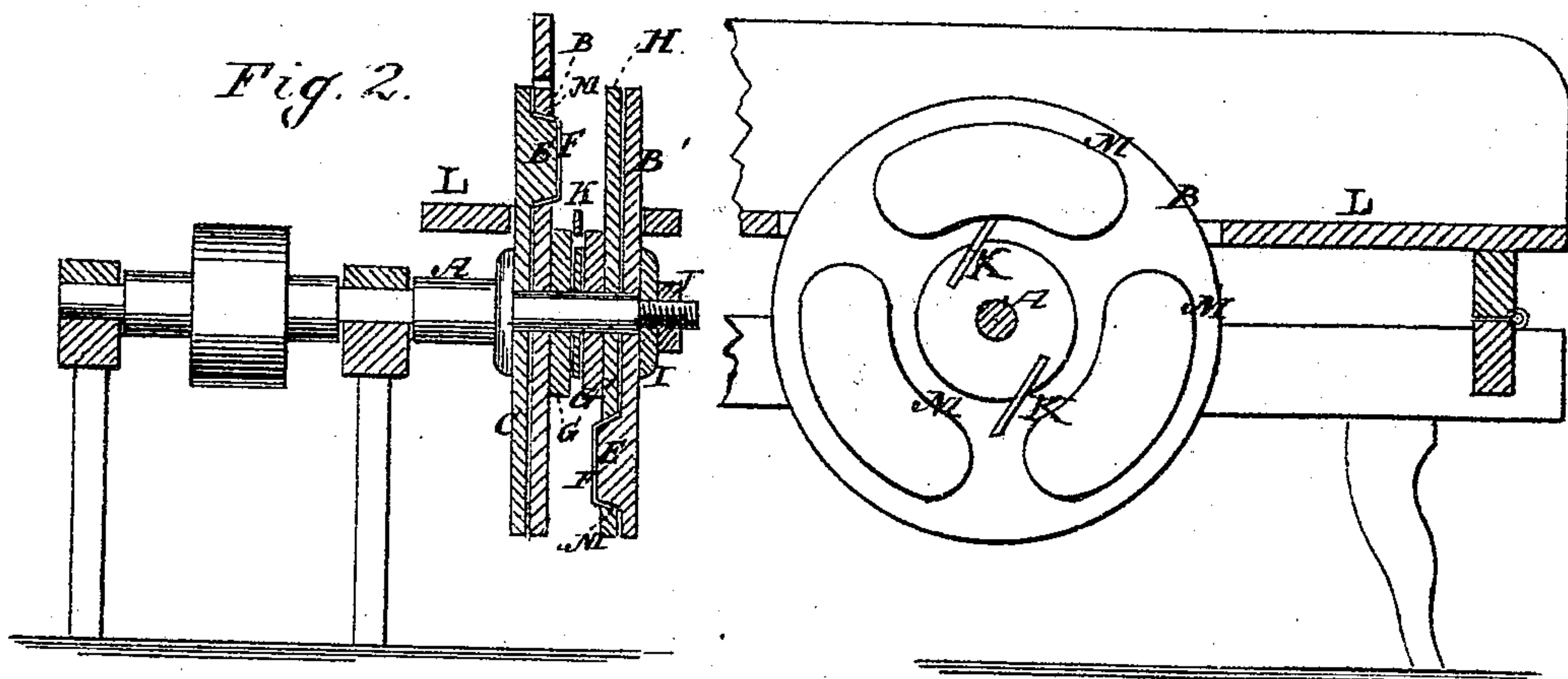


Fig. 3.



WITNESSES.

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# UNITED STATES PATENT OFFICE.

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## IMPROVEMENT IN MACHINES FOR SMOOTHING AND CORNERING PANELS.

Specification forming part of Letters Patent No. **151,531**, dated June 2, 1874; application filed March 14, 1874.

*To all whom it may concern:*

Be it known that we, JACOB P. BECK, JAMES F. SHOEMAKER, and JOHN H. WEAVER, of Lock Haven, in the county of Clinton and State of Pennsylvania, have invented a new and Improved Machine for Raising and Smoothing Panels, of which the following is a specification:

The invention will first be fully described, and then pointed out in the claim.

Figure 1 is a plan view of our improved machine. Fig. 2 is a transverse section, taken on the line *x x* of Fig. 1. Fig. 3 is a longitudinal sectional elevation.

Similar letters of reference indicate corresponding parts.

A represents the mandrel; B, the metal disk for one of the heads; C, the pad-carrying disk; E, the pads; F, the sand-paper; G, a washer in front of disk B; H, another metal disk for another head; B', the pad-carrying disk; G', washer; I, clamping-collar; J, binding-nut; and K, cornering or grooving cutters, clamped between washers G G', for cornering or groov-

ing out the edge of a panel at the same time that it is sandpapered. M represents the holes in the disks for the pads and the sand-paper. In case only one head is to be used, the collar I and binding-nut J will be screwed on against disk B, or the space may be filled out between it and the collar by other washers. The pads whereon the sand-paper is held will be made of wood, for turning them off to the shapes required. L is the table, on which the work is moved along to the heads.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

The combination, with one or more sandpapering-heads, of grooving-cutters K, relatively arranged on a mandrel, as and for the purpose specified.

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Witnesses:

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