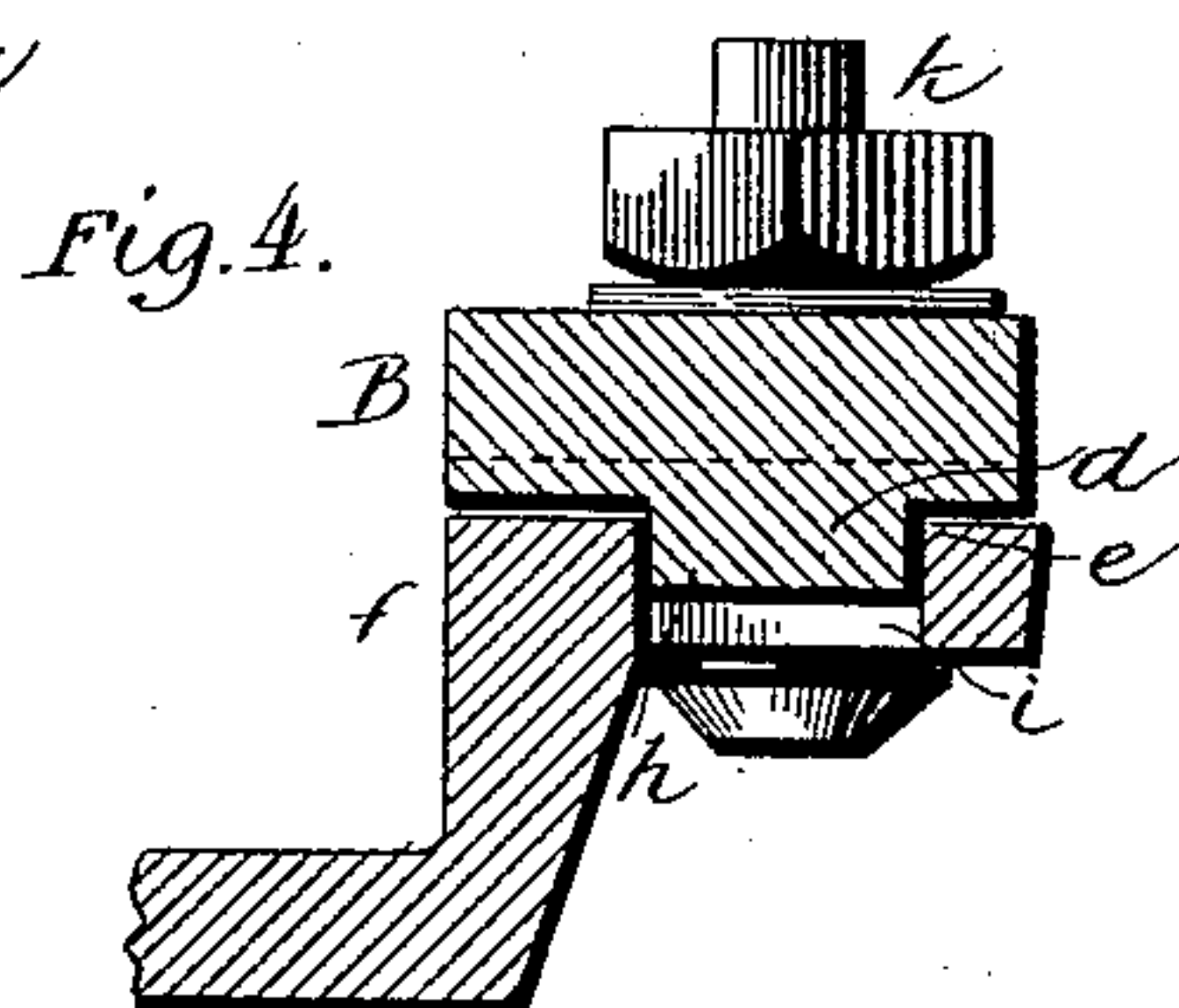
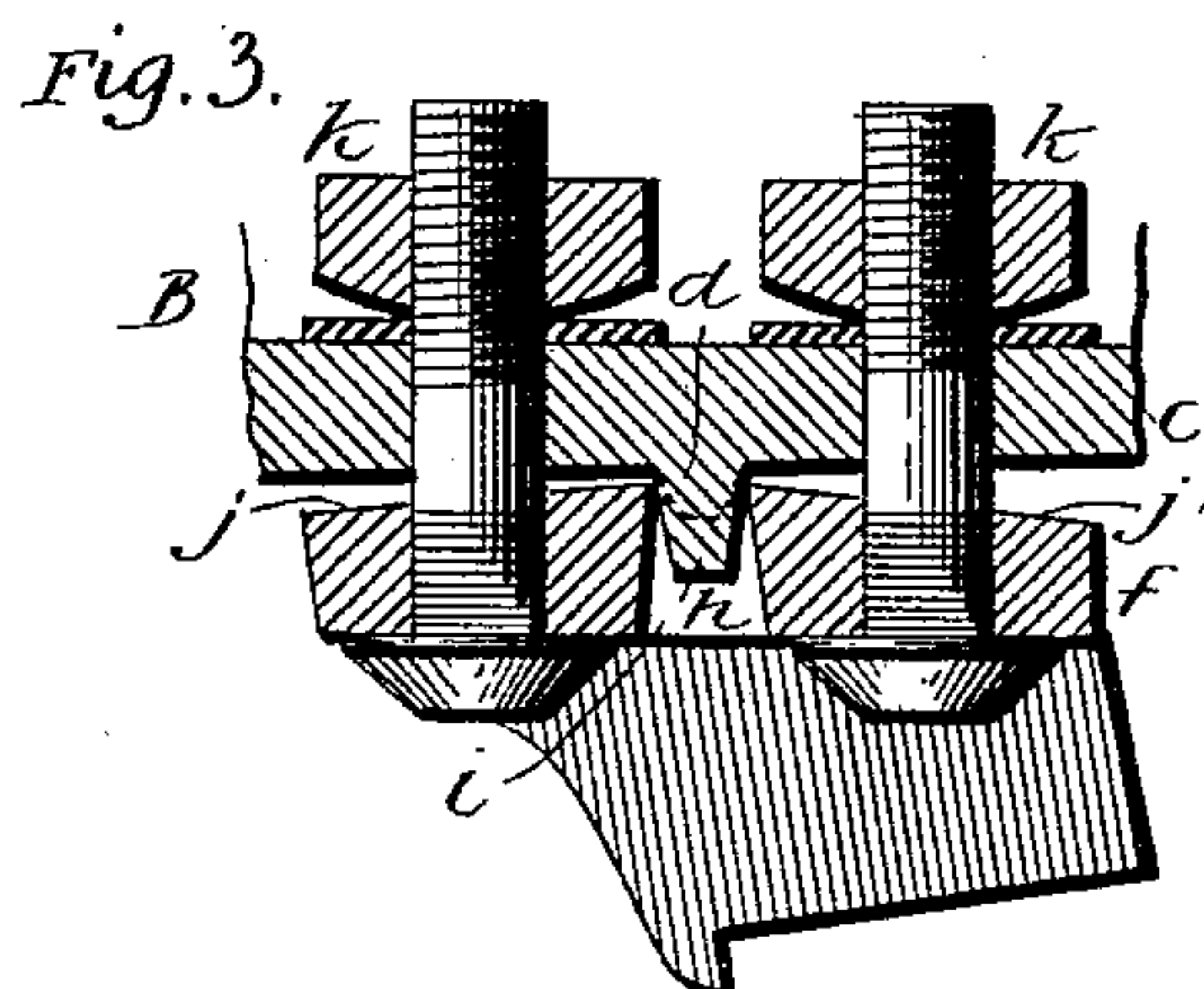
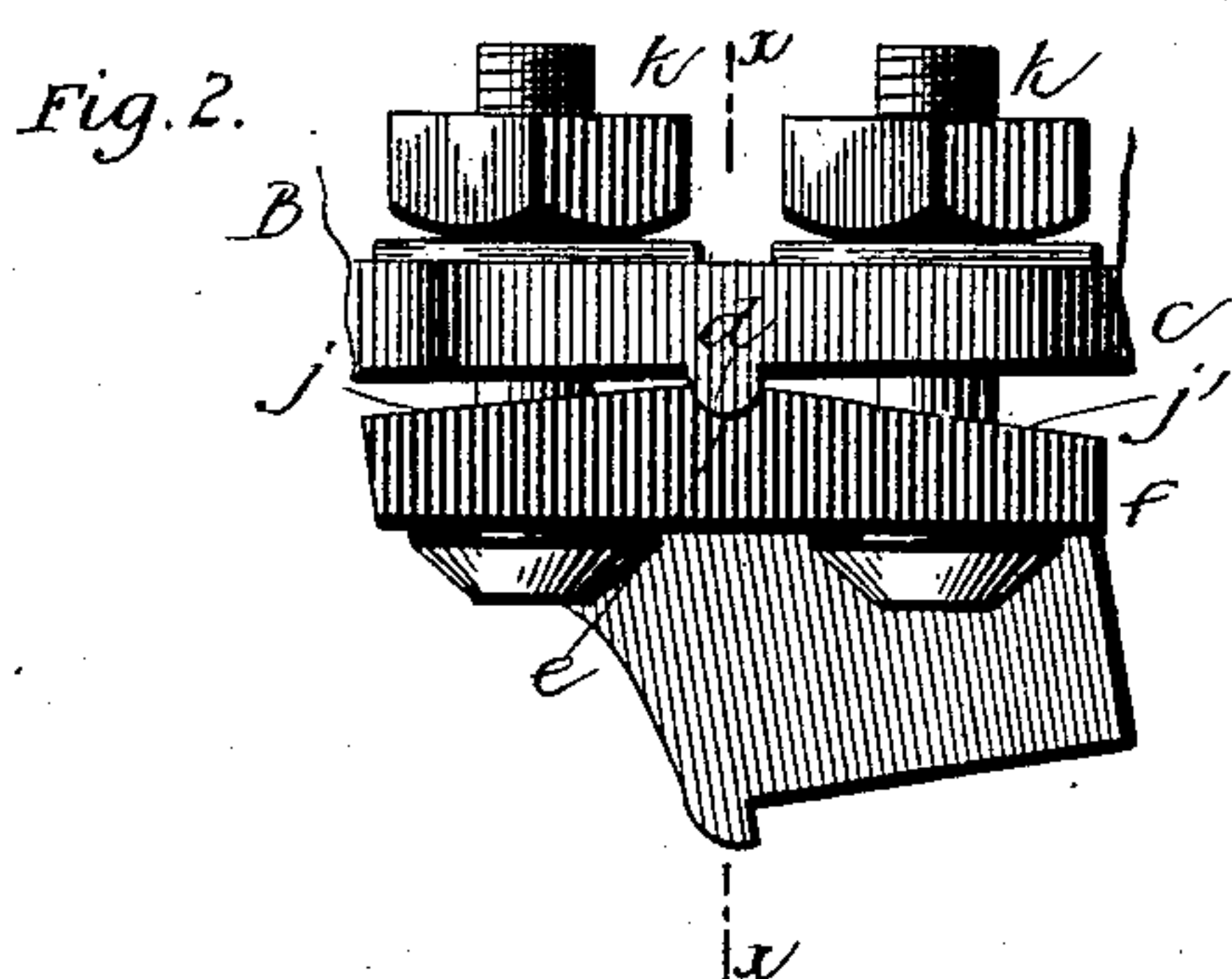
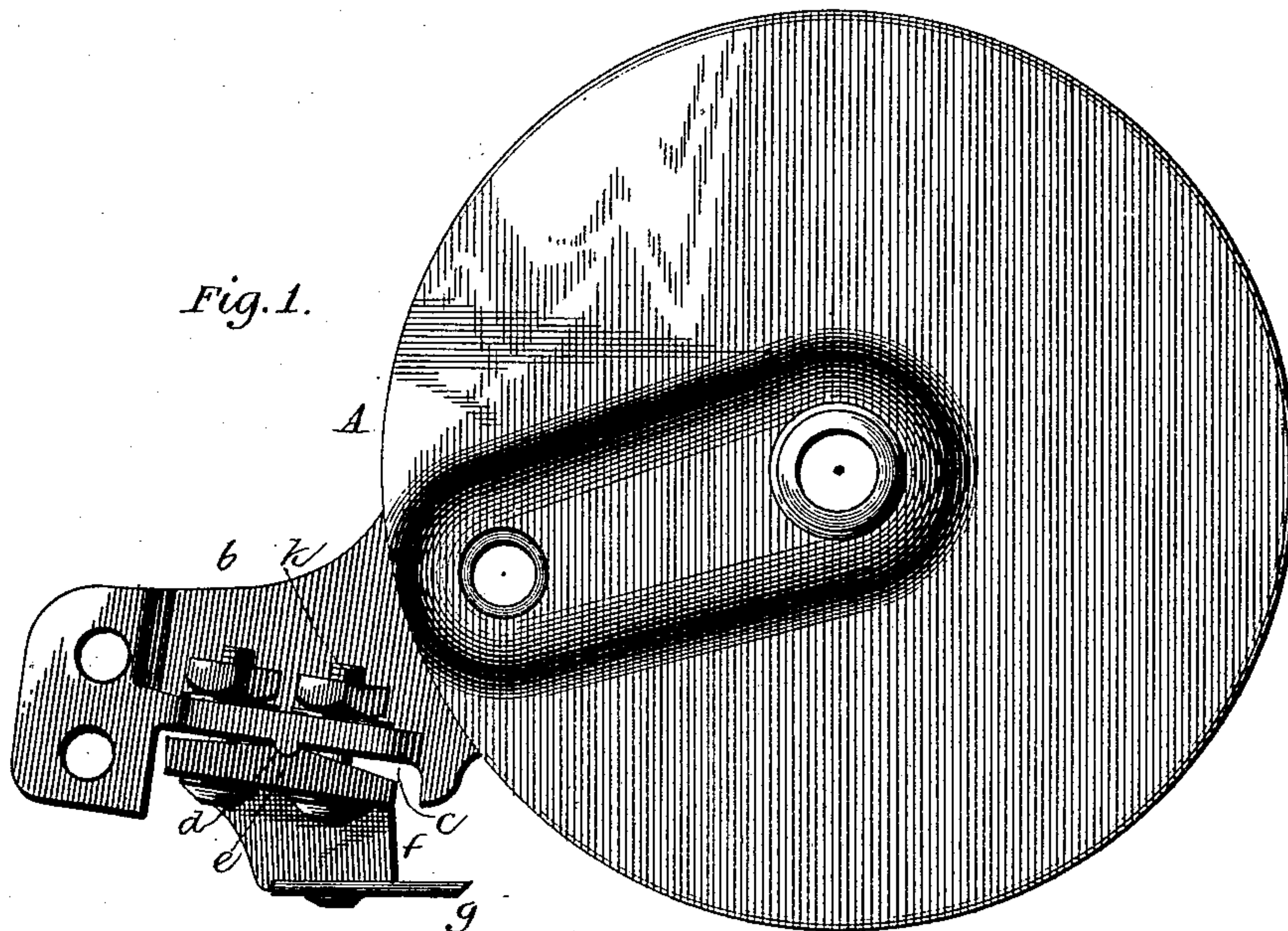


(No Model.)

J. V. ROWLETT.
LAWN MOWER.

No. 453,377.

Patented June 2, 1891.



Witnesses:

Will. Norton
Wm. Ireland

Inventor:

Jacob V. Rowlett.

By *Wm. Ireland*
his Attorney

UNITED STATES PATENT OFFICE.

JACOB VORE ROWLETT, OF RICHMOND, INDIANA.

LAWN-MOWER.

SPECIFICATION forming part of Letters Patent No. 453,377, dated June 2, 1891.

Application filed February 10, 1891. Serial No. 381,006. (No model.)

To all whom it may concern:

Be it known that I, JACOB VORE ROWLETT, a citizen of the United States, residing at Richmond, in the county of Wayne and State of Indiana, have invented certain new and useful Improvements in Lawn-Mowers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to lawn-mowers, and especially to that class thereof which is designated in the art as "rear cut;" and it consists in mechanism, hereinafter described and claimed, for adjusting the stationary knife or cutter with relation to the rotary cutter, the object being to provide a mechanism that shall, by reason of its construction, be easily and finely adjusted, and that shall hold the knife when adjusted, firmly and rigidly, and withstand all the strain usually brought to bear upon cutters of this character.

The following is a description of my invention, which, taken in connection with the accompanying drawings, will fully and clearly set forth the construction and operation of the several parts.

Figure 1 of the drawings shows, in side elevation and partly in section, a lawn-mower machine-disk with my invention applied thereto; Fig. 2, a detached view, enlarged, of the stationary cutter-adjusting mechanism; Fig. 3, a central longitudinal section of the same; and Fig. 4, a cross-section on the line *x x*, Fig. 2.

Referring to the drawings, A designates one of the machine-disks employed in a lawn-mower, which has cast with it a rearwardly-projecting arm *b*, to which is attached the ordinary roller and the stationary knife-adjusting devices, which I will now describe.

Cast integral with the arm *b*, and extending outward therefrom, is a step or plate *c*, which is formed on its under side with a bead or rib *d* which is adapted to enter the groove *e* in the knife-bar *f*, to which is secured the knife or cutter *g*. Centrally of this bead is an enlargement forming a tongue *h*, which enters a slot *i*, in the knife-bar, and holds said bar firmly against displacement. The upper end portion of the knife-bar is provided with inclined faces *j j'*, which permit the said bar to rock upon the plate *c*, and vary the pitch of the stationary cutter. Bolts *k*, pass through the knife-bar and plate and adjustably hold these parts together. By loosening one of these bolts and tightening the other, any degree of adjustment may be secured, and by reason of the inclined faces the strain from the bolts is equally distributed throughout. The tongue-and-slot connection, acting with the bead and groove, effectively prevents any accidental displacement of the parts, which is a very important function, as the least displacement of the knife-bar would tend to render the machine unfit for use.

I claim—

In a lawn-mower, the combination, with fixed plates on the disks having the tongues and beads, as described, of a knife-bar having inclined face-plates adapted to be secured to the fixed plates by means of bolts and nuts, and having the slots and grooves for respective engagement with the tongues and beads, substantially as and for the purposes set forth.

In testimony whereof I affix my signature in presence of two witnesses.

JACOB VORE ROWLETT.

Witnesses:

REUBEN MYRICK,
CHAS. R. DUHADWAY.