

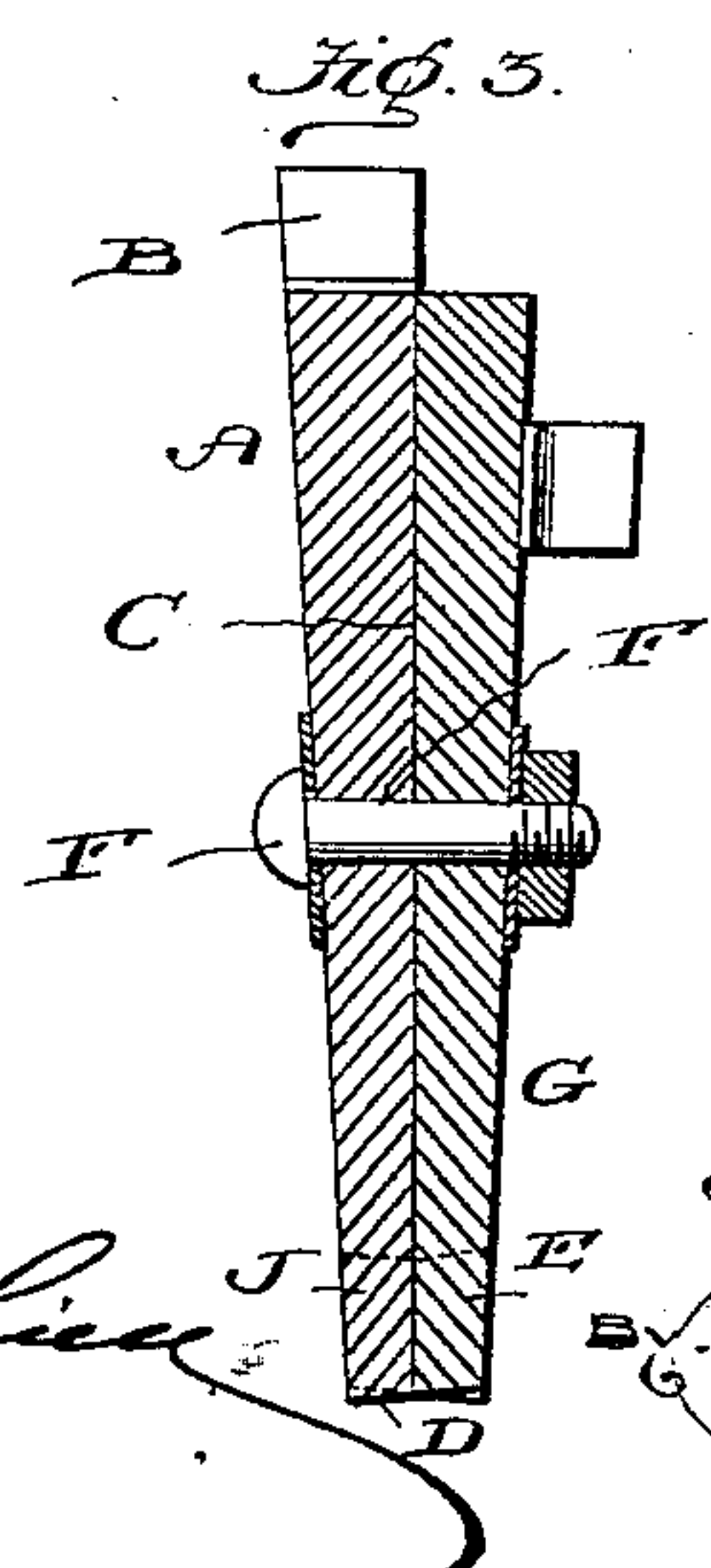
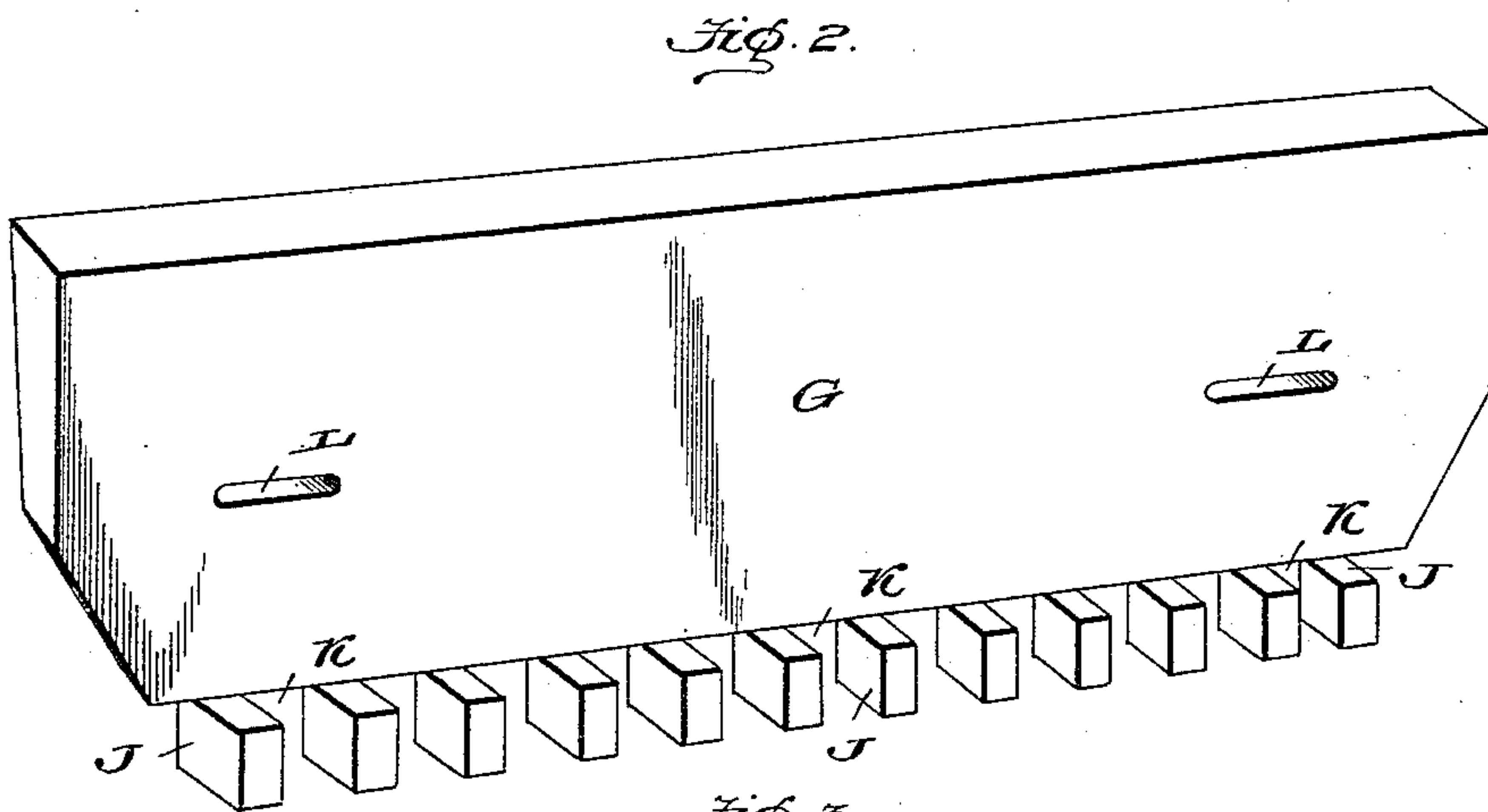
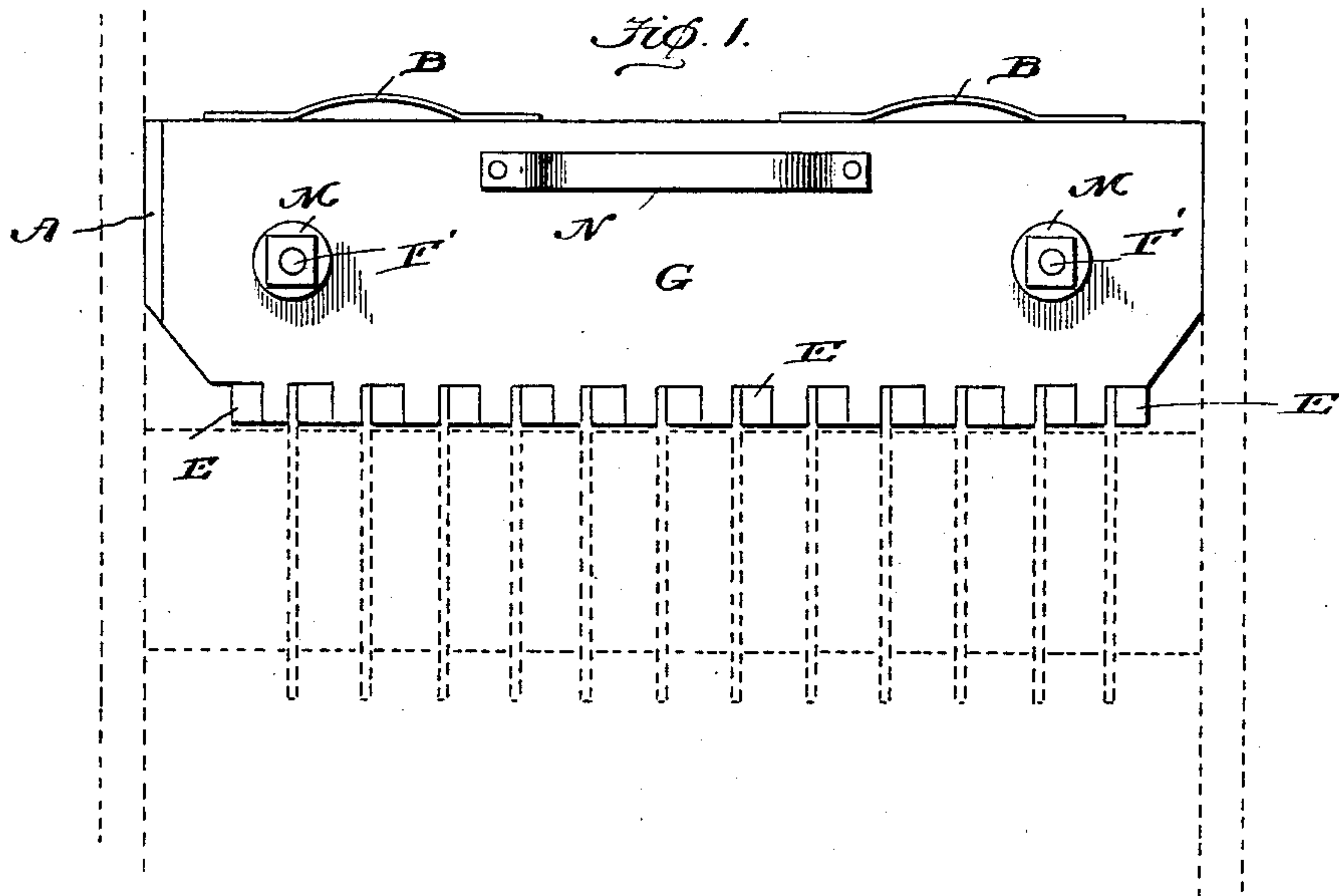
No. 638,732.

Patented Dec. 12, 1899.

J. C. MAPES.
COTTON GIN SAW CLEANER.

(Application filed July 18, 1899.)

(No Model.)



Witnesses

David P. Moore.

Inventor

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UNITED STATES PATENT OFFICE.

JOSEPH CALVIN MAPES, OF ALBA, TEXAS.

COTTON-GIN-SAW CLEANER.

SPECIFICATION forming part of Letters Patent No. 638,732, dated December 12, 1899.

Application filed July 18, 1899. Serial No. 724,242. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH CALVIN MAPES, a citizen of the United States, residing at Alba, in the county of Wood and State of Texas, have invented certain new and useful Improvements in Cotton-Gin-Saw Cleaners, of which the following is a specification.

My invention relates to improvements in cotton-gin-saw cleaners; and the object of my invention is the provision of a cleaner for this purpose which is attached in the machine in such a manner as to be adjustable to the thickness of the saw in order that the same may be thoroughly cleaned.

Another object of my invention is the provision of a very simple, durable, and cheap gin-saw cleaner which is very useful and practical by reason of its easy attachment and its adjustability.

To attain the desired objects, the invention consists of a cotton-gin-saw cleaner embodying novel features of construction and combination of parts, substantially as disclosed herein.

Figure 1 is a view of a cotton-gin, the lines of which are dotted, said gin having my cleaner in position for use. Fig. 2 is a perspective view of one section of the cleaner, and Fig. 3 is a cross-section of Fig. 1.

In the drawings, A designates one section of the cleaner, which is provided with the handles B, by which the cleaner is removed from or placed in position in the machine. This section is beveled, tapering toward the lower edge, which is provided with the projections D, which form the slots or spaces between said projections or teeth. These projections or teeth are each provided with the overlapping ends E, which extend outward upon the inner side of the section, and in the body of the section are formed the openings F, through which the bolts F' pass and extend beyond the inner side of the section. In connection with this section I provide and use the beveled section G, in order that the sections may be placed with their inner sides together, and as the section G is provided with the similar projections or teeth J and spaces or slots K, except that the projections are not opposite to each other, but are adapted to fit in the slots, and as the slots are larger than the

projections are thick, the sections may be adjustable laterally, as the section G is provided with the lateral slots L, through which the bolts F' pass, and are held tightly in place by means of the nuts and washers M. Thus it will be seen that any thickness of cotton-gin saw can be accommodated and that by reason of said slots and bolts and also by reason of the handle N, secured upon the outer face of the section G, the sections may be made adjustable to enlarge or make small the spaces left between the teeth or projections when the sections are placed in operative position.

From this description, taken in connection with the drawings, the operation will be readily understood; but, briefly stated, it is as follows: The sections are secured together and are then placed in the cotton-gin, said sections being the width of the gin and being provided with as many spaces and projections as there are gin-saws, and as the sections are laterally adjustable any thickness of saw may be accommodated in the spaces between the projections, and thus when the saws are revolved backward they are thoroughly cleaned.

Thus it will be seen that I provide a very useful and practical cotton-gin-saw cleaner which is the embodiment of simplicity, durability, and inexpensiveness.

I claim—

1. The combination with a cotton-gin, of a cleaner for the saws thereof, consisting of the two sections provided with the projections and spaces upon their lower edge said projections of one section being adapted to overlap or penetrate the spaces of the other section, and means whereby said sections may be adjusted laterally to accommodate gin-saws in the spaces between said projections.

2. The combination with a cotton-gin, of a cleaner for the saws thereof, consisting of two similar sections adjustably secured together, projections or teeth formed upon one edge of each of said sections and adapted to overlap or penetrate the spaces of the other section, and means to move the sections laterally when adjusting the same.

3. The combination with a cotton-gin, of a cleaner for the saws thereof, said cleaner,

consisting of two sections, teeth or projections formed upon the lower edges of said sections and adapted to mesh with or penetrate the spaces between the teeth upon the opposite section, means for holding the sections together and to allow them to be adjusted laterally, and handles for placing the cleaner in or taking it from the machine or gin and also for adjusting the sections.

4. A device of this character consisting of a pair of beveled sections adjustably secured together and forming a tapered block when secured together, each of said sections being provided with the right-angular teeth or projections which are adapted to mesh with the teeth or projections of the opposite sections

and have their outer edges parallel with the outer faces of the sections.

5. A device of this character, consisting of two beveled sections, a single handle carried by one section and two handles carried by the other, means to adjust the sections laterally, and teeth or projections provided upon the lower edges of said sections and adapted to fit in the spaces opposite the teeth of each section.

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

JOSEPH CALVIN MAPES.

Witnesses:

D. J. SPURLOCK,
E. W. NEAL.