

(No Model.)

I. N. KELLOGG.
ATTACHMENT FOR MOLDING MACHINES.

No. 516,394.

Patented Mar. 13, 1894.

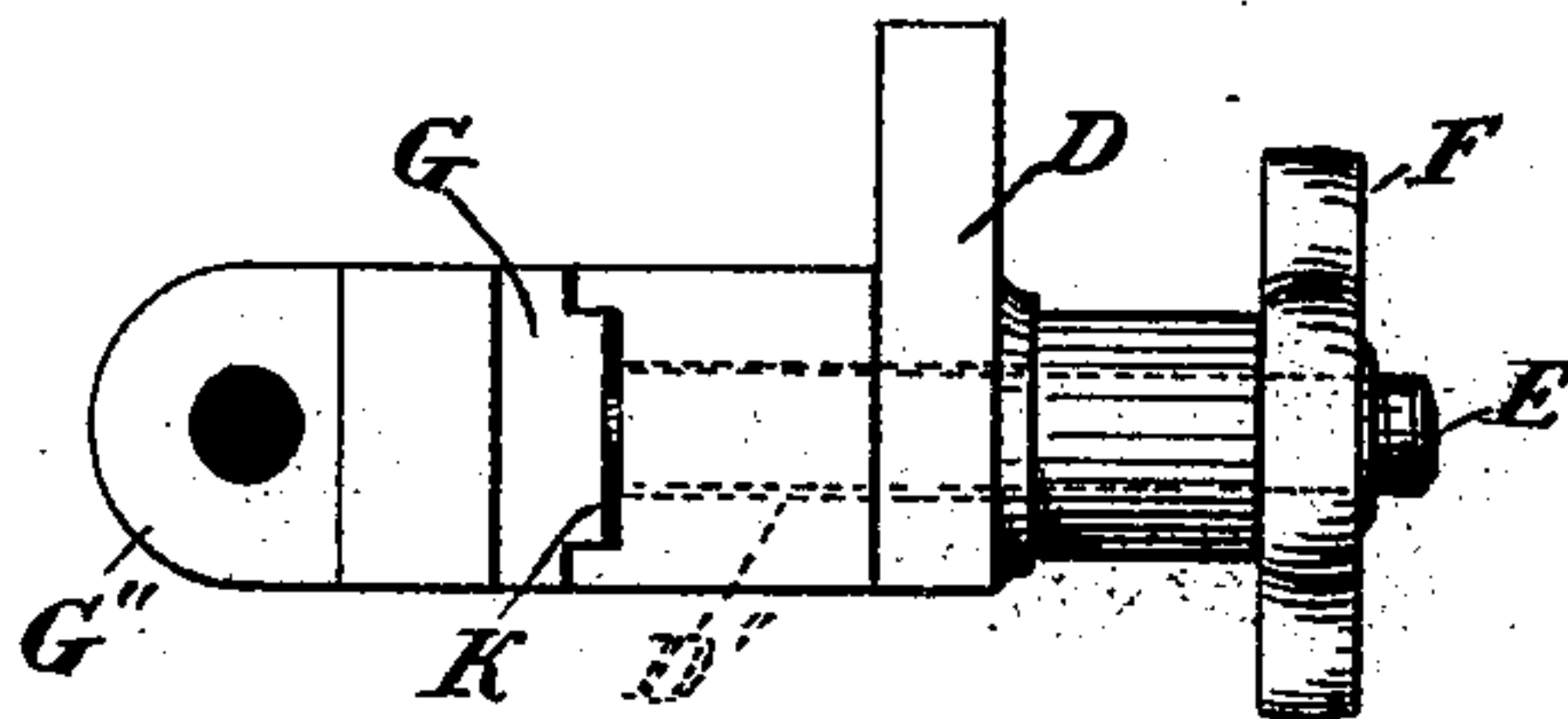
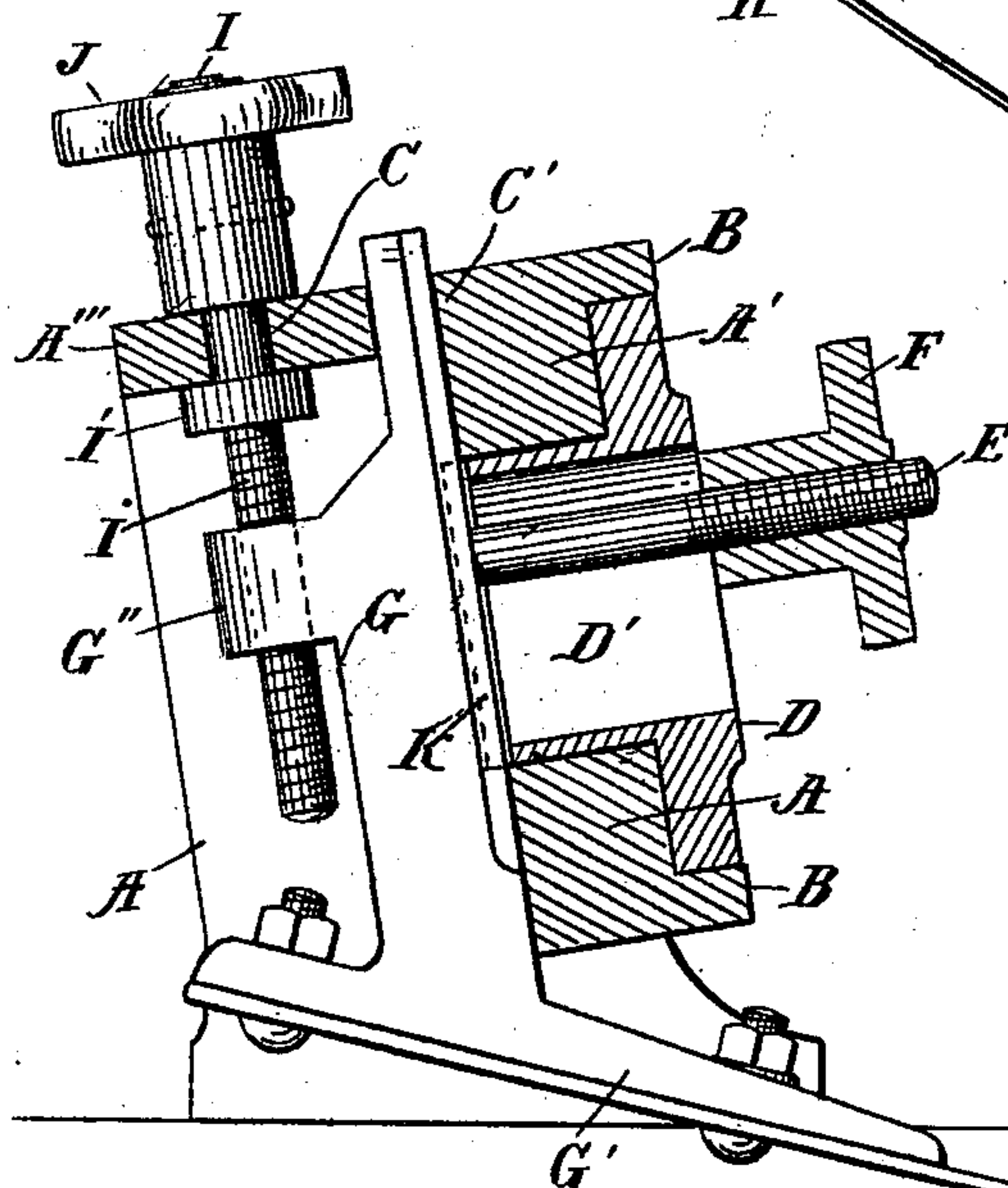
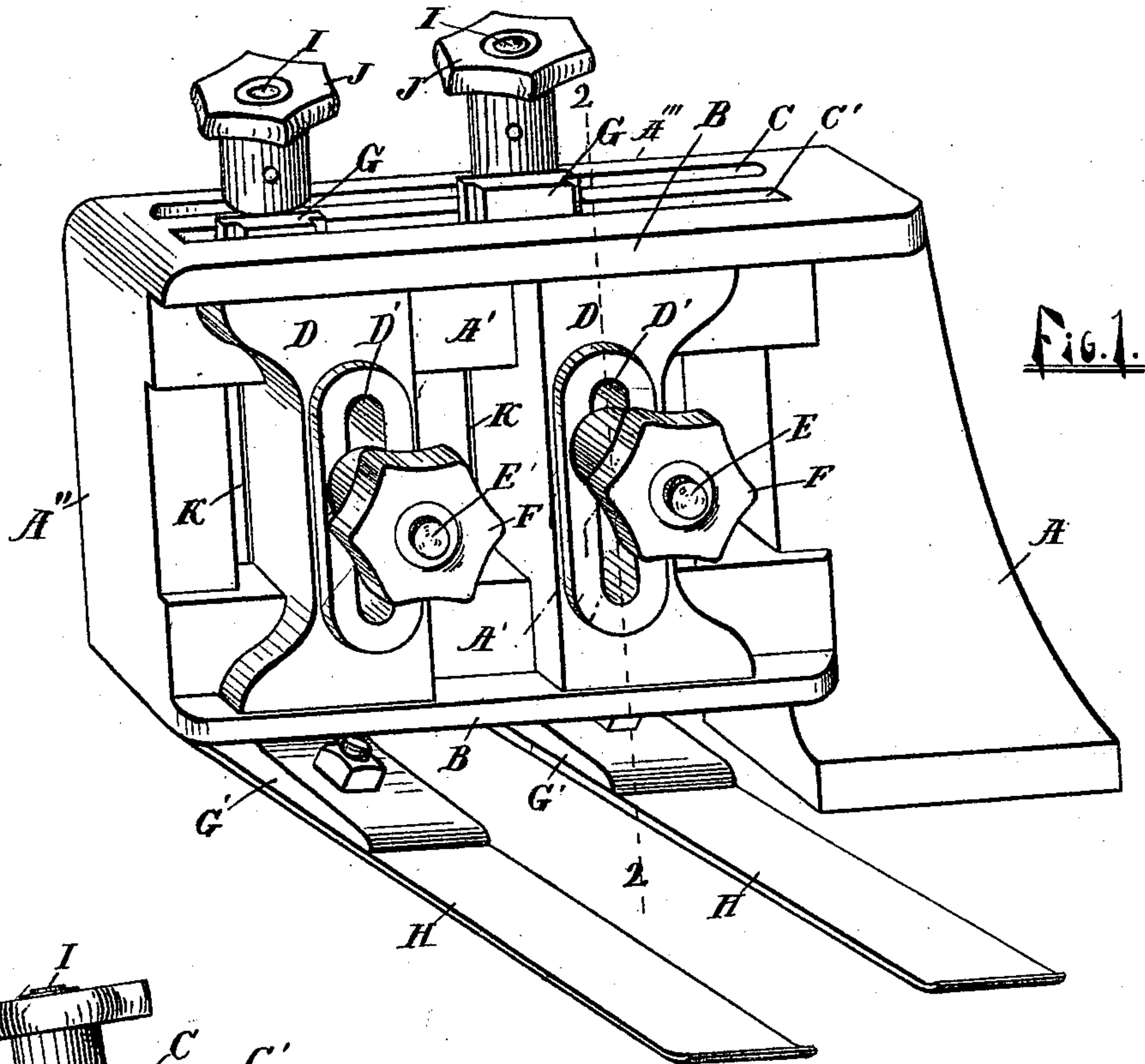


Fig. 2.

Fig. 3.

WITNESSES:

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ATTACHMENT FOR MOLDING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 516,394, dated March 13, 1894.

Application filed March 17, 1893. Serial No. 466,420. (No model.)

To all whom it may concern:

Be it known that I, ISAAC N. KELLOGG, a citizen of the United States, residing at Nashville, in the county of Barry and State of Michigan, have invented certain new and useful Improvements in Attachments for Molding-Machines; 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 an improved attachment for molding machines, and its object is to provide the same with certain new and useful features, hereinafter more fully described and particularly pointed out in the claims, reference being had to the accompanying drawings in which—

Figure 1 is a perspective of a device embodying my invention; Fig. 2 a vertical section on the line 2—2 of Fig. 1; and Fig. 3 a detail of the adjusting slide—top view.

Like letters refer to like parts in all of the figures.

A represents a suitable post adapted to be bolted, or otherwise secured to the frame of the machine in suitable relation to the cutter head. Projecting from said posts are two parallel arms A', A', connected at their outer ends by the post A''. At the respective upper and lower angles of said arms A' A', and projecting from the faces thereof, are the parallel guide ribs B, B. Between these ribs, and abutting against each at their respective ends, and also adapted to slide on the face of the arms A', A'; and extending between the same at the middle; are two slides D, D, having vertically elongated, or slotted openings D', through which pass screw studs E, having hand nuts F, said studs are fixed in longitudinally adjustable posts G, resting against the rear sides of the arms A' A' and adjustable thereon, both vertically and horizontally, said posts are connected to the rear of the slides D, by a tongue and groove, whereby they are kept in line and laterally adjustable with the same; the upper parts of said posts G, extend through an opening or slot C' between the upper arm A' and a rear extension A''' of the same, which latter has a slot C

through which pass adjustable screws I, I, provided with hand wheels J, and prevented from longitudinal movement by collars I', and the hubs of said wheels engaging the respective sides of said rear extension A''', said screws are parallel with said posts G, and engage screw threaded lugs G'' on the same, each post is also provided with an inclined T head, G' to which is bolted a spring H to engage and hold the molding down upon the bed of the machine. By this device I am able to use a series of springs H at different levels, and at different points transversely of the molding, whereby wide and deeply cut moldings can be operated upon, and prevented from springing up from the bed. The slides D are kept in line by the ribs B, B, and the tongue and groove keep the posts in line with the slides, said posts are longitudinally adjusted independent of each other by the screws I, I, each post is also laterally adjustable on the arms A, A, independent of the other, and thus each spring can be brought to bear upon separate members of the molding to hold it down. When properly adjusted the posts are firmly held by tightening the hand nuts F, thus binding the posts and sides against the respective faces of the arms A, A. Said springs and co-acting posts may be added, or removed, indefinitely as occasion requires, and the whole may be readily detached from the machine when not needed, or in the way.

What I claim is—

1. In an attachment for molding machines; a post adapted to be secured to the frame of the machine, parallel arms projecting from the side of said post, guide ribs on said arms, slides between said ribs, said slides abutting against and extending between said arms, posts connected to said slides by tongues and grooves, and engaging the rear of said arms, studs on said posts, slotted openings in said slides, and hand nuts on said studs, and springs attached to said posts, substantially as described.

2. In an attachment for molding machines, a detachable post having parallel arms, guide ribs on said arms, slides abutting against said ribs, said slides also engaging the face of said

arms and extended between the same, and provided with slotted openings, posts having springs attached, and connected to said slides by tongues and grooves; screw studs on said 5 posts, passing through said openings, and provided with hand nuts, a slotted rear extension on one of said arms, screws passing through said slot, having collars and hand wheels engaging the respective sides of said

extension, and lugs on said posts having screw threaded openings engaged by said screws, substantially as described.

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

ISAAC N. KELLOGG.

Witnesses:

THEOD. C. DOWNING,
W. I. MARBLE.