

No. 705,039.

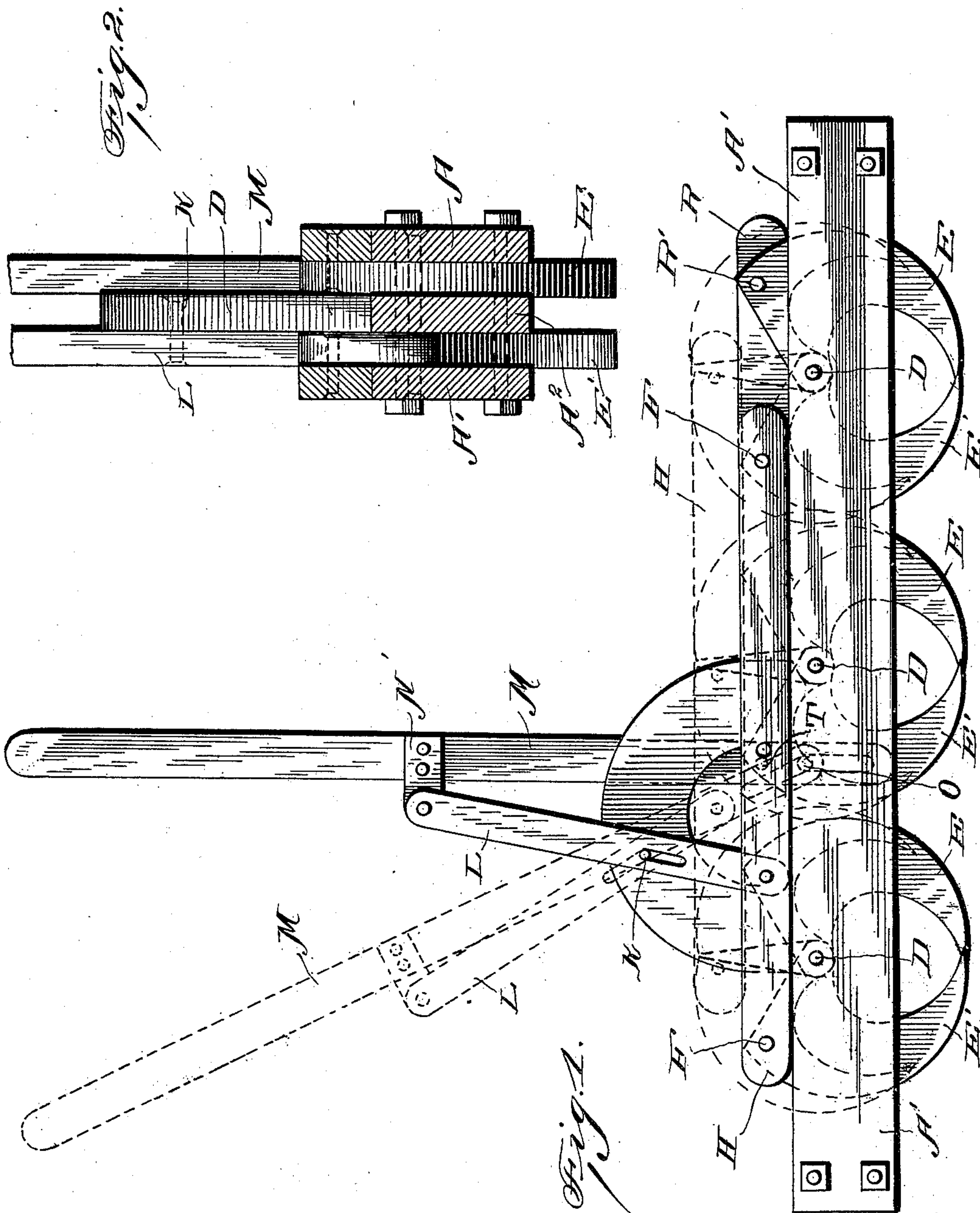
Patented July 22, 1902.

D. L. COLE.  
SAWMILL DOG.

(Application filed Apr. 24, 1902.)

(No Model.)

2 Sheets—Sheet 1.



Witnesses

R. A. Boswell,  
A. L. Hough.

D. L. Cole,

By Franklin H. Hough

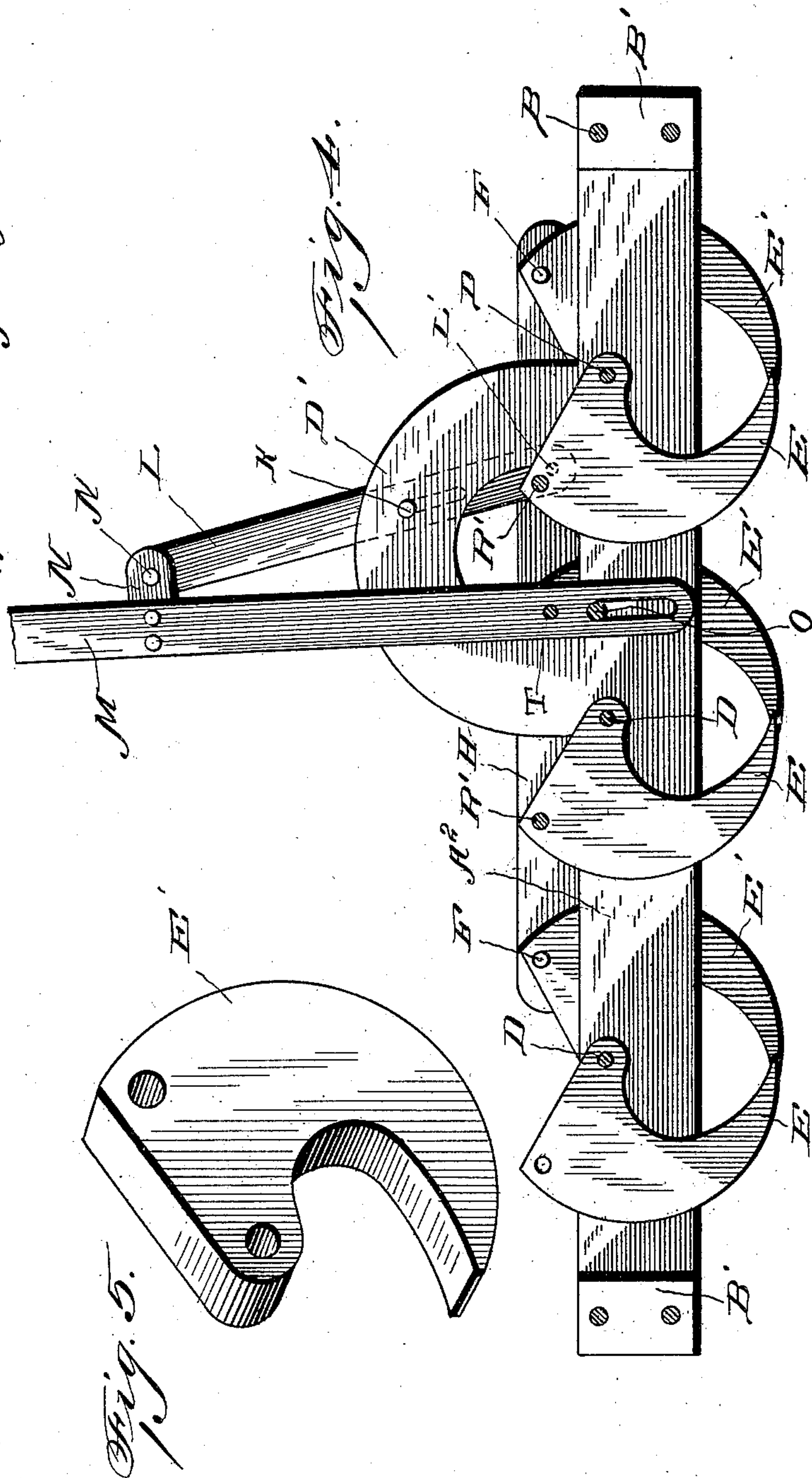
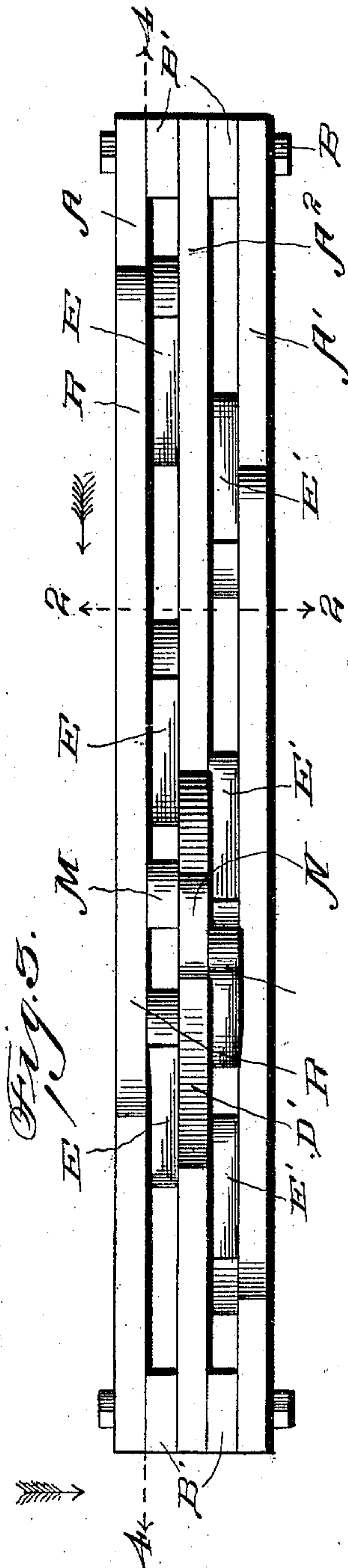
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2 Sheets—Sheet 2.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

DAVID L. COLE, OF CEDARGROVE, MISSOURI.

## SAWMILL-DOG.

SPECIFICATION forming part of Letters Patent No. 705,039, dated July 22, 1902.

Application filed April 24, 1902. Serial No. 104,572. (No model.)

*To all whom it may concern:*

Be it known that I, DAVID L. COLE, a citizen of the United States, residing at Cedar-grove, in the county of Shannon and State of Missouri, have invented certain new and useful Improvements in Sawmill-Dogs; and I do 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in sawmill-dogs; and it consists in the provision of series of oppositely-arranged pivotal dogs which are adapted to be thrown simultaneously in opposite directions by a single swinging movement of the lever, whereby as the lever and intermediate connections with the dogs are operated said dogs may be thrown with their points into engaging positions with a log to be held thereby or released therefrom, thus dispensing with gear connections commonly used in connection with devices of this nature.

The invention consists, further, in various details of construction and combinations of parts, which will be hereinafter fully described and then specifically defined in the appended claims.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which drawings similar letters of reference indicate like parts in the several views, in which—

Figure 1 is a side elevation of my improved sawmill-dog, showing the dogs in open positions in dotted lines, also the operating parts connected therewith. Fig. 2 is a cross-sectional view on line 2-2 of Fig. 3. Fig. 3 is a top plan view. Fig. 4 is a sectional view longitudinally on line 4-4 of Fig. 3, and Fig. 5 is an enlarged detail view of one of the dogs.

Reference now being had to the details of the drawings by letter, A and A' designate the two opposite longitudinal strips forming the frame in which the dogs are held, together

with a central longitudinal strip A<sup>2</sup>. Said strips are held together by means of bolts B, suitable blocks B' being interposed between the strips to hold the latter spaced apart. Mounted in said central strip A<sup>2</sup> are pins D, the ends of which project beyond the opposite flat faces of said strip and are adapted to form common bearings for the dogs E and E', which are pivoted on opposite sides of the central strip. In the drawings I have shown three of said dogs of similar construction mounted on each side of the central strip E<sup>2</sup>, said dogs E' being also pivotally connected to pins F, which are carried by the strip H, and rising from the central strip A<sup>2</sup> is a curved segment D', carrying a pivotal pin K, on which the link L is pivotally and slidingly mounted, said link being connected at its lower end to a pin L', carried by the strip H. The upper end of the pin L is pivotally connected to pin N, carried by the bracket-arm N', which is rigidly fastened to the operating-lever M. The lower end of the lever M has sliding pivotal connections with a pin O, which is fastened securely to the central strip A<sup>2</sup>.

R designates a strip to which the upper corners of the dogs E are pivoted by means of pins R', and T designates a bolt carried by the strip R, which has pivotal connections with the lever M.

From the foregoing it will be observed that by the provision of the mechanism shown and described when the operating-handle is thrown in one direction the dogs in each series will be thrown open or with their points from each other, and on the return movement of the operating-handle, by reason of the link connection with the strips, said dogs will be thrown toward each other and in position to be engaged by the log to be held thereby.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A sawmill-dog comprising a rack having three parallel strips, spaced apart, the middle of said strips having a curved segment, a pin carried thereby, a series of pins carried by said middle strip and projecting from the opposite sides thereof, dogs pivotally mounted on said pins in pairs and in reverse directions,

strips pivoted to the upper corners of said dogs on opposite sides of the middle strip, an operating-lever having a sliding pivotal connection with the middle strip, and the link  
5 having sliding pivotal connection with said segment projection and pivotally connected at one end to the operating-lever and at its other end to the outer one of said strips se-

cured to the upper corners of the dogs, as shown and described. 10

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

DAVID L. COLE.

Witnesses:

S. C. SMITH,

JOHN REDDICK.