

No. 682,909.

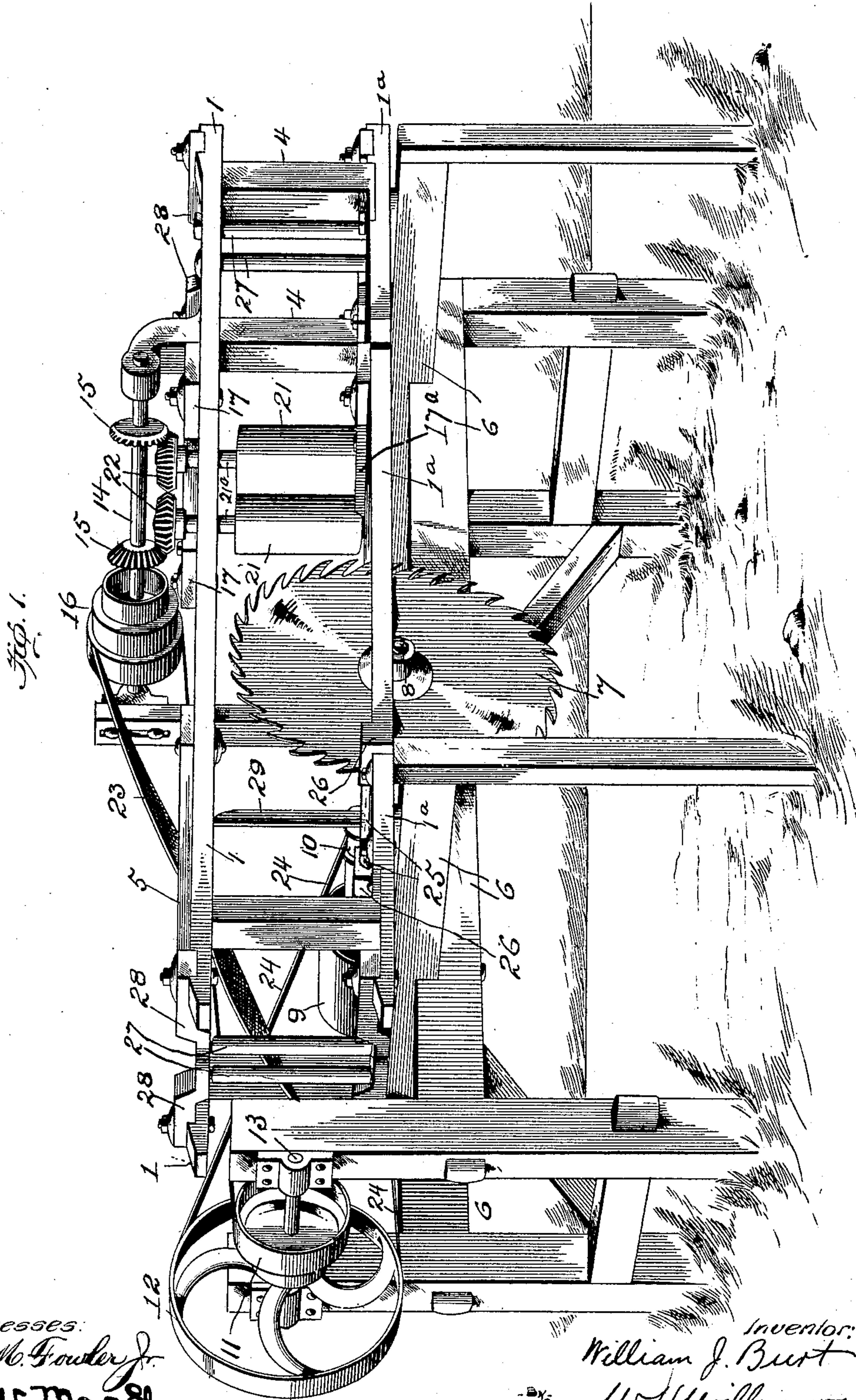
Patented Sept. 17, 1901.

W. J. BURT.  
RESAWING MACHINE.

(Application filed Oct. 29, 1900.)

(No Model.)

2 Sheets—Sheet 1.



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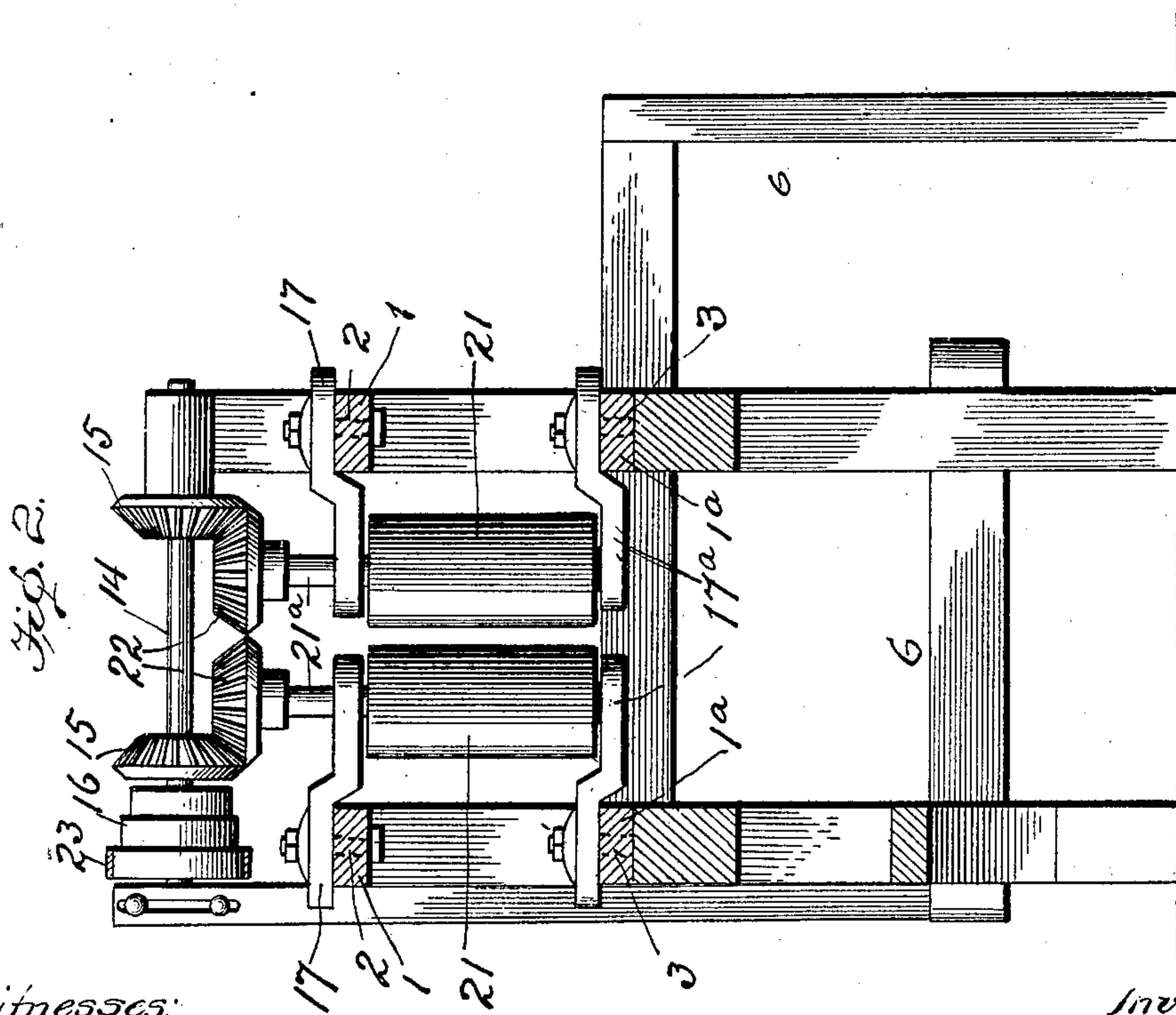
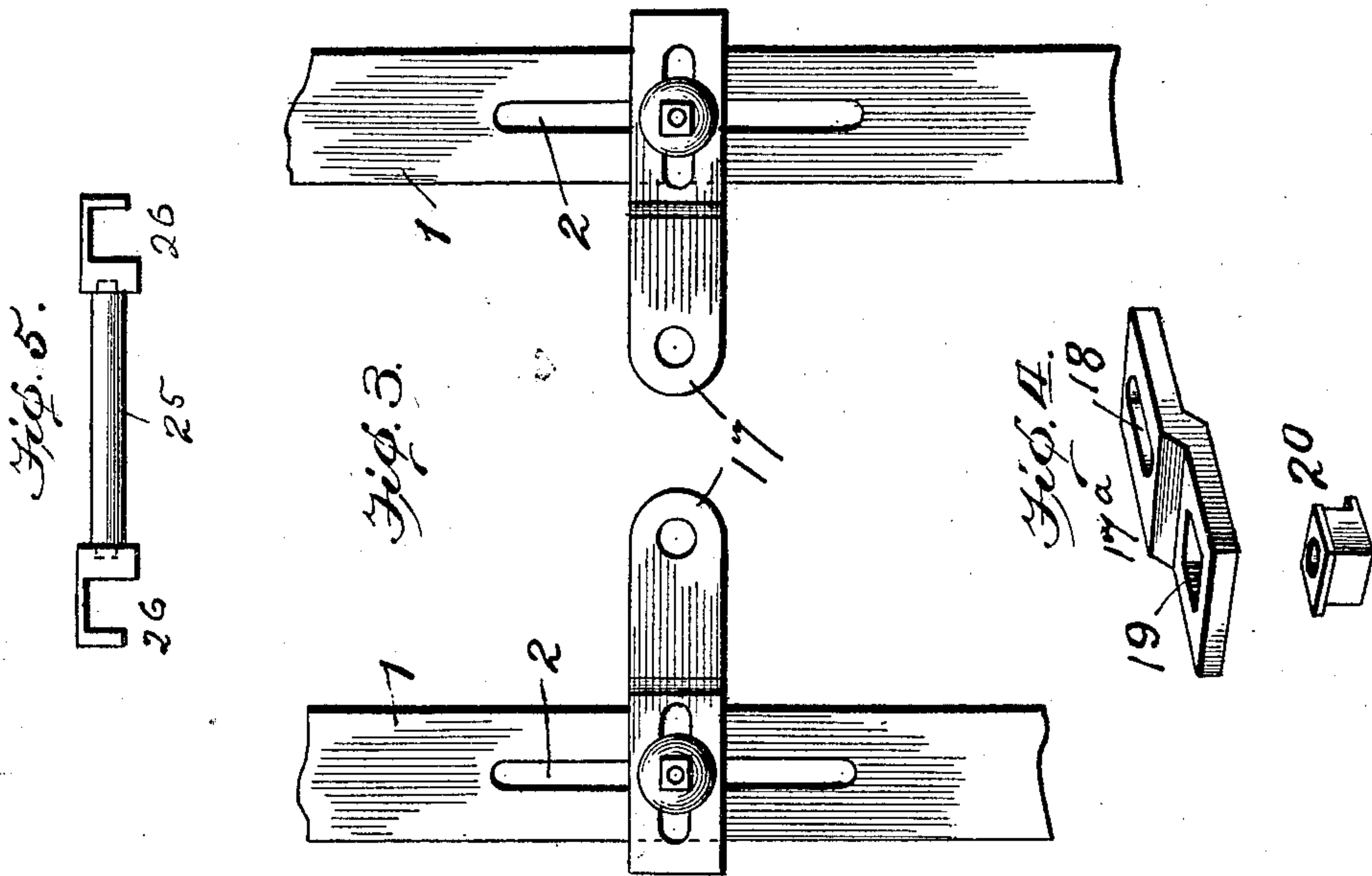
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(No Model.)

2 Sheets—Sheet 2.



Witnesses:

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By

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Att'y.



# UNITED STATES PATENT OFFICE.

WILLIAM J. BURT, OF BURTSBORO, GEORGIA.

## RESAWING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 682,909, dated September 17, 1901.

Application filed October 29, 1900. Serial No. 34,768. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM J. BURT, a citizen of the United States, residing at Burtsboro, in the county of Lumpkin and State of Georgia, have invented a new and useful Resawing-Machine, of which the following is a specification.

This invention relates to sawing-machines, and particularly to resawing-machines.

The object of the invention is to provide certain new and useful improvements in machines for resawing lumber into weather-boards, siding, and the like so as to leave the resawed boards beveled or thicker at one edge than the other.

A further object of the invention is to provide certain novel features in the machine-frame, in the working parts mounted on the frame, and in the manner of connecting such parts to the frame.

In the accompanying drawings, forming part of this application, Figure 1 is a perspective view of a resawing-machine embodying my improvements. Fig. 2 is a vertical cross-section taken just in front of the saw of Fig. 1. Fig. 3 is a top view of a portion of the frame. Fig. 4 is a perspective view of one of the journal-box brackets and said box. Fig. 5 is an elevation of one of the horizontal rollers and its brackets.

The same numeral references denote the same parts throughout the several views of the drawings.

My improved frame consists of two like upper portions 1, having slots 2, and two like bottom portions 1<sup>a</sup>, similar to the top portions and having like slots 3, vertical members 4, and horizontal members 5, all of which are bolted through certain of said slots 2 to join the said frame portions together, the frame being adapted to be held or supported by a stand or table 6, having a circular saw 7, mounted on a shaft 8, provided with pulleys 9 and 10. The frame 6 has driving-pulleys 11 and 12, fixed to a shaft 13, journaled in the end of the stand 6. Above the upper frame portions 1 is a horizontal shaft 14, provided with pinions 15 and a step-pulley 16, journal-brackets 17, and journal-box brackets 17<sup>a</sup>, having a slot 18, by means of which and suitable bolts they are adjustably secured, respectively, to the top and bottom frame portions 1 and 1<sup>a</sup> through the slots 2 and 3. The brackets 17<sup>a</sup> have an opening 19, into which is fitted a flanged journal-box 20,

so that the latter will not turn or slip out. The feed-rollers 21 have their spindles 21<sup>a</sup> journaled in these boxes 20, and the upper ends of the said spindles are provided with a gear 22, which meshes with the pinions 15. Motion is imparted to the shaft 14 by a belt 23 from the pulley 11 on the shaft 13, and the latter shaft is driven from the saw-shaft 8 by a belt 24 to the pulley 12, the saw-shaft 8 being driven by a belt (not shown) to the pulley 9. Horizontal rollers 25 are journaled in inverted-U-shaped brackets 26, fitted to the bottom frame portions 1<sup>a</sup>. Vertical guide-rollers 27 are positioned at each end of the frame and are journaled in brackets 28, similar to the brackets 17, hereinbefore described. A dividing-knife 29 reaches from the upper to the lower frame portions 1 and 1<sup>a</sup> and is suitably fixed thereto in the rear of the saw.

It will be observed that the peculiar construction of the frame portions and the construction and arrangement of the several parts carried by the frame admit of the frame being set upon saw tables or stands of various size and the adjustment of said parts to suit the saw and driving-shafts of the table and stand.

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

1. The combination, with a table or stand having a saw, and suitable saw-driving means, of a frame adapted to be held by said table, feed-rollers adjustable to the frame relative to the saw, a shaft having pinions meshing with gears on the rollers, and adjustable on the frame according to the adjustment of the rollers, substantially as set forth.

2. In a resawing-machine, the combination, with the frame portions suitably joined together, and having slots and the vertical rollers, of the roller-brackets having slots to register with the frame-slots for adjusting the rollers, an opening in the brackets, and a flanged box fitting the opening and in which the rollers are journaled, substantially as set forth.

3. The combination, with the frame, of the horizontal rollers, and the inverted-U-shaped brackets fitting the bottom portions of the frame and in which the rollers are journaled.

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