

No. 744,368.

PATENTED NOV. 17, 1903.

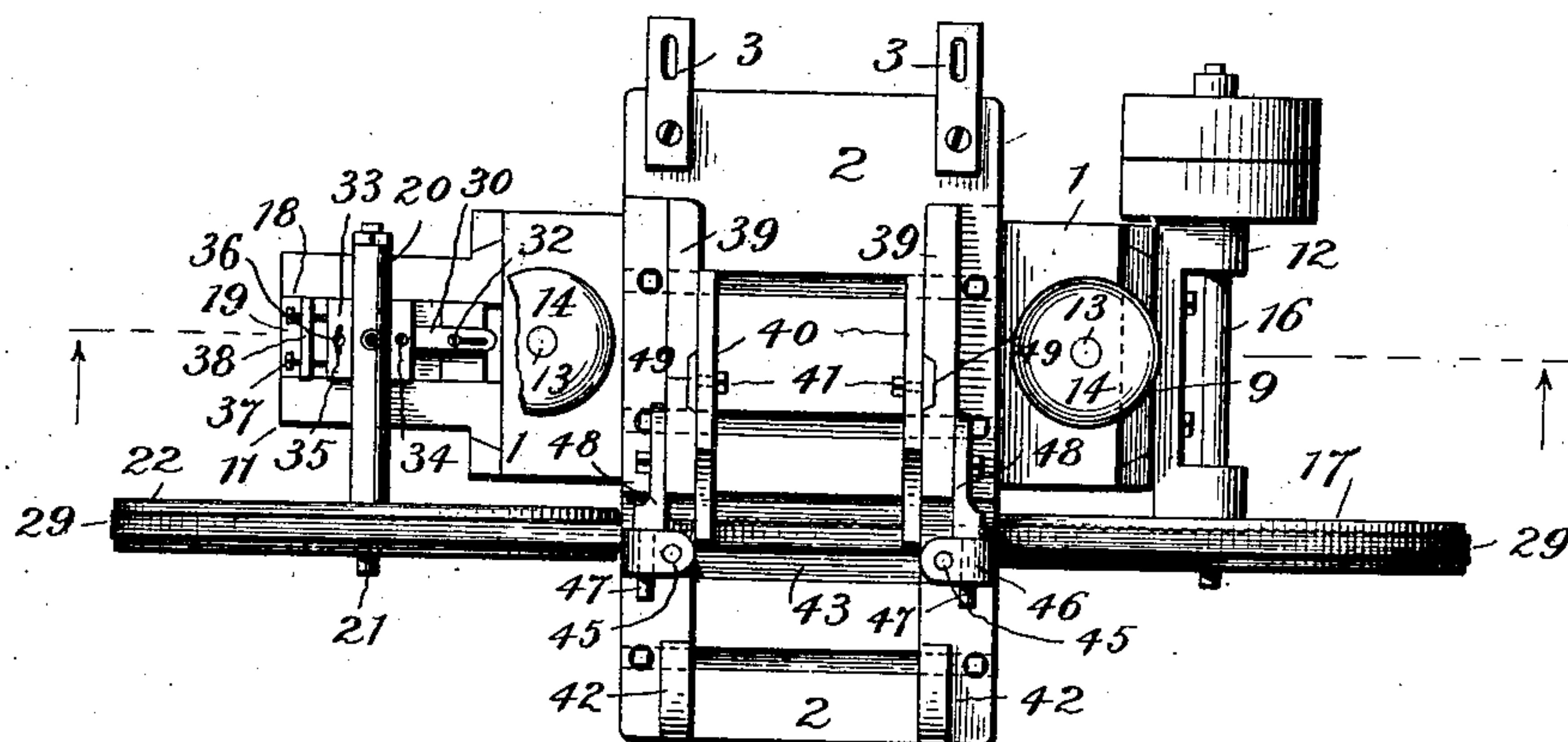
J. C. LAWHON.  
RESAWING MACHINE.

APPLICATION FILED MAY 25, 1903.

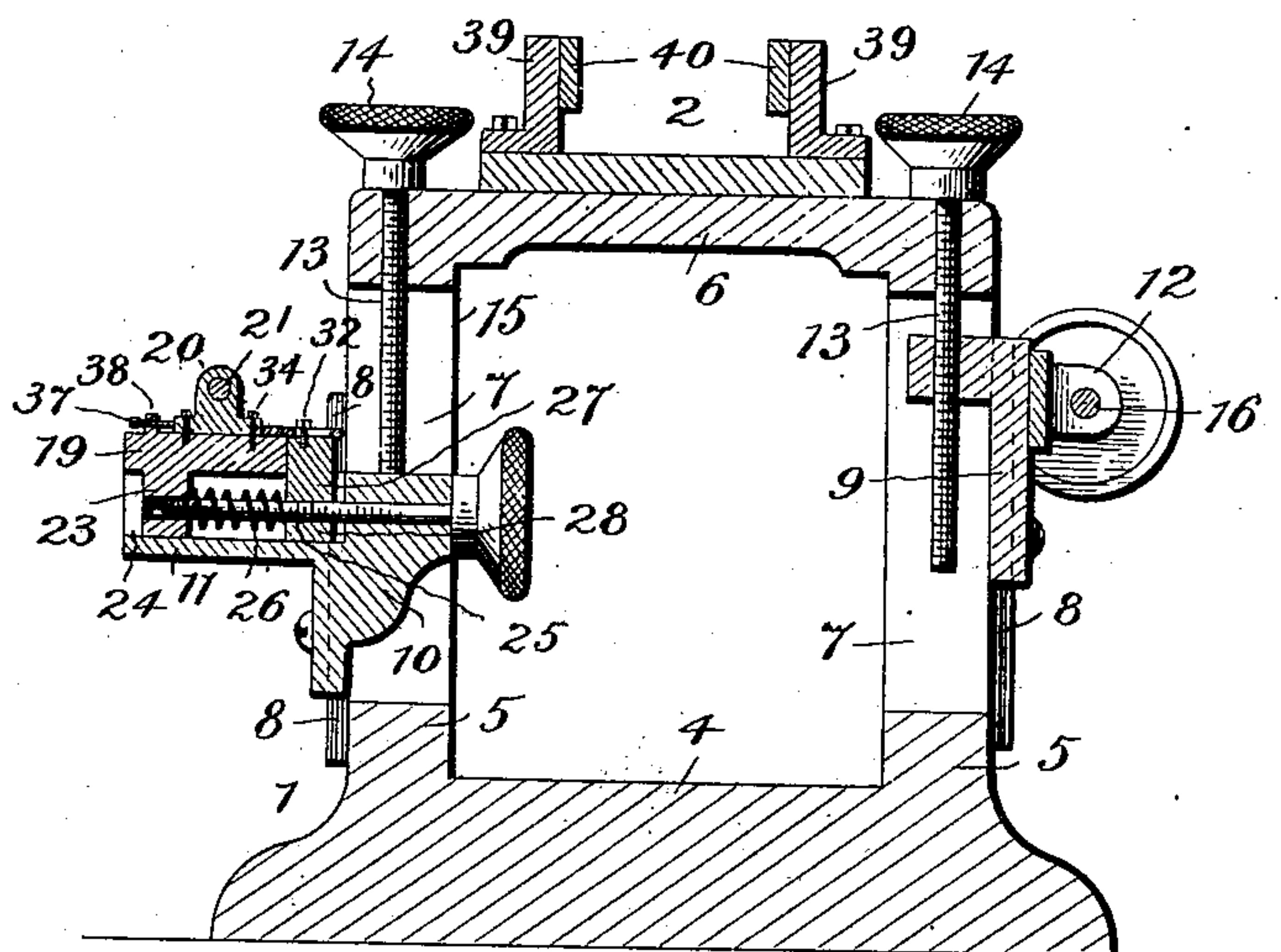
NO MODEL.

2 SHEETS—SHEET 1.

*Fig. 1.*



*Fig. 2.*



Witnesses:  
Jas. Hutchinson.  
F. Lockridge.

Inventor:  
James C. Lawhon,  
By Swift & Co. atty's

No. 744,368.

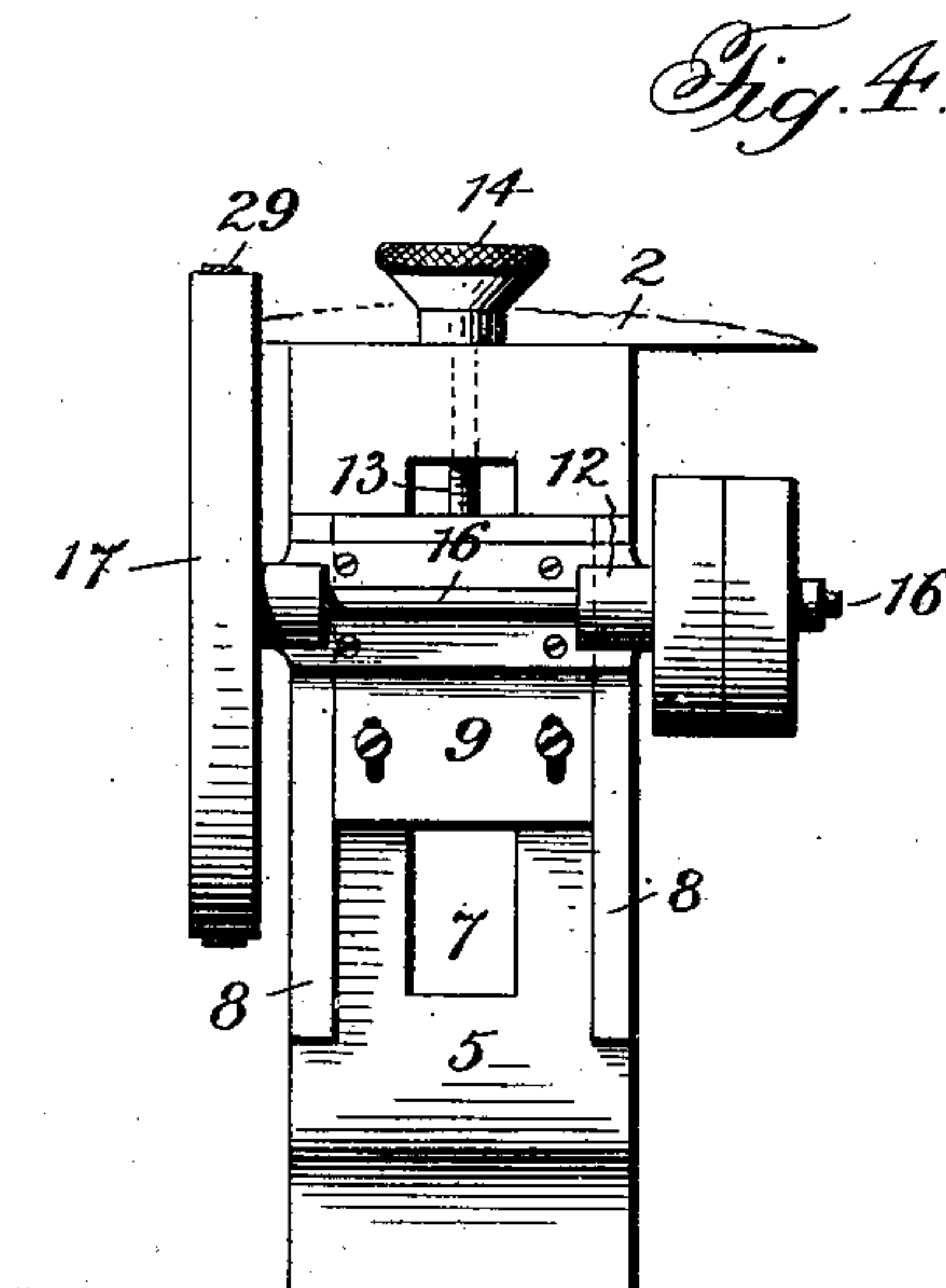
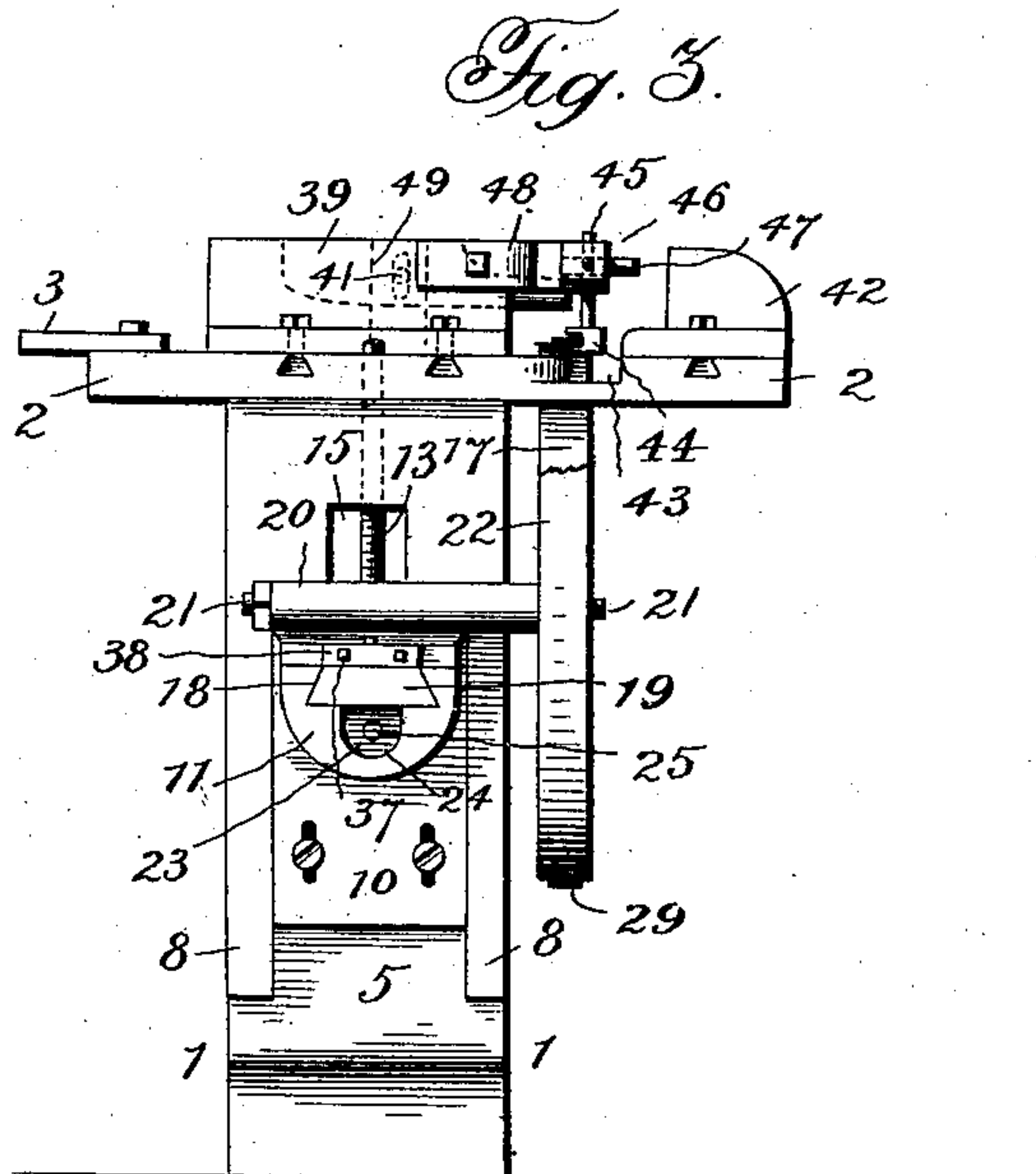
PATENTED NOV. 17, 1903.

J. C. LAWHON.  
RESAWING MACHINE.

APPLICATION FILED MAY 25, 1903.

NO MODEL.

2 SHEETS—SHEET 2.



Witnesses:  
Jas. C. Hutchinson  
F. Lockrille Jr.

Inventor:  
James C. Lawhon,  
By Swift & Co atty's



# UNITED STATES PATENT OFFICE.

JAMES CARY LAWHON, OF LAKE CITY, FLORIDA.

## RESAWING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 744,368, dated November 17, 1903.

Application filed May 25, 1903. Serial No. 158,657. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES CARY LAWHON, a citizen of the United States, residing at Lake City, in the county of Columbia and State of Florida, have invented a new and useful Resawing-Machine; 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 ap-  
 10 pertains to make and use the same.

The invention relates to improvements in resawing-machines; and it has for its object to improve the construction of resawing-machines and to provide a simple and compara-  
 15 tively inexpensive one designed to be used in connection with a planing-machine for the purpose of resawing boards or lumber and adapted to receive the material as the same leaves the planing-machine.

20 A further object of the invention is to provide a machine of this character in which the feed-rolls of a planing-machine may be utilized for feeding the boards or lumber to it.

With these and other objects in view the  
 25 invention consists of the construction and novel arrangement of parts hereinafter described and shown, and particularly pointed out in the claims hereto appended.

In the drawings forming part of this spec-  
 30 ification, and in which like numerals of reference designate corresponding parts, Figure 1 is a plan view of a resawing-machine constructed in accordance with this invention. Fig. 2 is a longitudinal sectional view. Fig.  
 35 3 is an end elevation, partly in section. Fig. 4 is an end view of a portion of the machine, showing the other end thereof.

Referring to the drawings, 1 designates the frame of the machine, upon which is mount-  
 40 ed a transversely-disposed table 2, designed to be coupled to a planing-machine and provided with slotted attachment-plates 3, extending beyond the table, as clearly shown in Fig. 1. The frame comprises a base 4, upright  
 45 ends 5, and a top 6, to which the table is secured. The base is bolted or otherwise secured to the floor, and the ends, which have vertical openings 7, are provided on their exterior with upright ways 8 for the reception  
 50 of slides 9 and 10, which carry bearing-brackets 11 and 12. The slides project into the

openings 7 and are provided with threaded ap-  
 13, swiveled to the top of the frame and pro-  
 14, by means of which 55  
 the slides and their bearing-brackets are ad-  
 12 is pro-  
 16, which carries a 60  
 17. The other bearing-  
 11 is provided with a dovetailed way  
 18, receiving a dovetail slide 19, which is pro-  
 20 for a horizontal shaft  
 21, which carries a band-saw wheel 22. The 65  
 slidable bearing is provided with a depending  
 23, having an opening and op-  
 24 of the bearing-bracket.  
 25, which is engaged by an adjusting-screw  
 26, which is mounted on the bearing-bracket 70  
 and which is adapted to force the slidable  
 bearing outward. The slidable bearing is  
 27, which has a  
 26 disposed on it and interposed  
 between the lug of the slidable bearing and 75  
 an adjustable slide 27. The adjustable slide  
 27 is dovetailed to fit the dovetailed way of  
 the bearing-bracket 11 and is provided with  
 a depending lug 28, having a threaded open-  
 80 ing to receive the screw. When the screw is  
 rotated, the slidable member 27 is moved in-  
 ward and outward, and the spring, which is  
 engaged by the slidable member, forces the  
 slidable bearing outward. By this construc-  
 85 tion the band-saw 29, which is arranged on  
 the band-saw wheel, is maintained yieldably  
 at the desired tension. The slidable bearing  
 is provided with a slotted arm which overlaps  
 the slidable member 27 and which receives a  
 90 fastening device 32 thereof. The movement  
 of the slidable bearing independent of the  
 slidable member is limited by this construc-  
 100 tion.

The slidable bearing has mounted upon it  
 a plate 33, pivoted at 34 at one side of the 95  
 bearing 20 and provided at the opposite side  
 with a curved slot 35, in which is arranged  
 the fastening device 36. This pivoted plate,  
 which carries the bearing 20, is also engaged  
 by a pair of set-screws 37, mounted in thread- 100  
 ed openings of a flange or projecting portion  
 38 of the slidable bearing. By this construc-



tion the bearing may be trued and the band-saw wheel may be maintained in proper relation with the other band-saw wheel 17.

The table is provided at opposite sides with  
5 adjustable lumber-guides 39, having adjustable guide members 40 for engaging the lumber. These guide members 40, which are arranged at the inner faces of the guides 39, are  
10 slotted to receive set-screws 41 and are beveled or rounded at their inner ends to permit the lumber to pass readily beneath them and are adapted to hold the lumber while it is being sawed. The table is also provided at its  
15 outer end with guides 42, having upwardly extending flanges and adapted to guide the lumber as it leaves the saw. The lumber-guides 39 and 42 are flanged to receive fastening devices, which operate in transverse slots of the table.

20 The saw operates above a transverse groove 43 of the table and is arranged in guides 44, having vertically-adjustable stems 45, secured by set-screws in guide-blocks 46. The guide-blocks 46 have vertical and horizontal  
25 openings. The vertical openings receive the shanks of the saw-guides and the horizontal stems 47 of plates 48, which are secured to the outer faces of the lumber-guides 39. The guide members or blocks 46 are adjustable  
30 longitudinally of the table and are also adapted to swing vertically.

The lumber-guides 39 are provided at their inner faces with vertical recesses 49, and the guide members 40 are provided with ribs or  
35 flanges to fit the recesses, whereby they are prevented from turning on the fastening devices 41.

The screws 13, which adjust the bearing-bracket, move the band-saw wheels vertically  
40 and enable the upper flight or run of the saw

to be adjusted in the desired position with relation to the table.

What I claim is—

1. In a machine of the class described, the combination of a frame, a table disposed transversely of the frame and provided at opposite sides with lumber-guides, lumber-engaging members located at opposite sides of the table, band-saw wheels located at opposite sides of the table, a band-saw arranged on the  
50 band-saw wheels and having one of its flights extending across the table, and means for operating the band-saw, substantially as described.

2. In a machine of the class described, the combination of a frame, a table disposed transversely of the frame, band-saw wheels located at opposite sides of the table, a band-saw arranged on the band-saw wheels, inner and  
60 outer lumber-guides arranged at opposite sides of the table, and spaced apart to receive the saw, and the vertically-adjustable lumber-engaging members mounted on the inner lumber-guide, substantially as described.

3. In a machine of the class described, the combination of a frame, a transverse table, lumber-guides located at opposite sides thereof, stems mounted on the lumber-guides and arranged horizontally, guide box or members having openings to receive the stem and  
70 adjustable on the same, and vertically-adjustable saw-guides depending from the guide box or members, substantially as described.

In testimony whereof I have hereto affixed my signature in the presence of two witnesses.

JAMES CARY LAWHON.

Witnesses:

W. J. ROLHUCK,  
J. C. RELIHAN.