

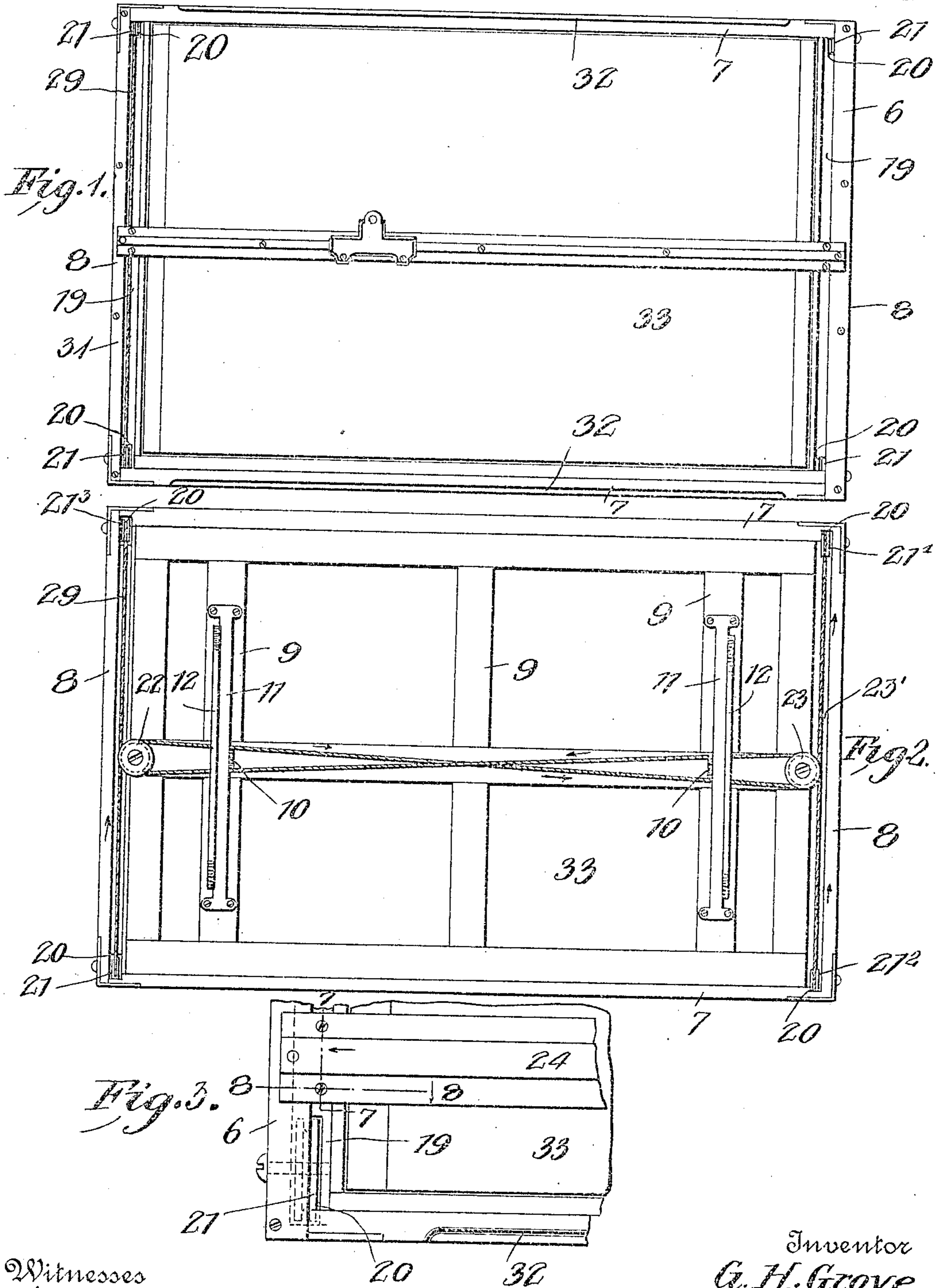
G. H. GROVE.  
DRAWING TABLE.

APPLICATION FILED DEC. 10, 1908.

Patented July 13, 1909.

2 SHEETS—SHEET 1.

927,526.



Witnesses  
W. H. Rockwell  
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Inventor  
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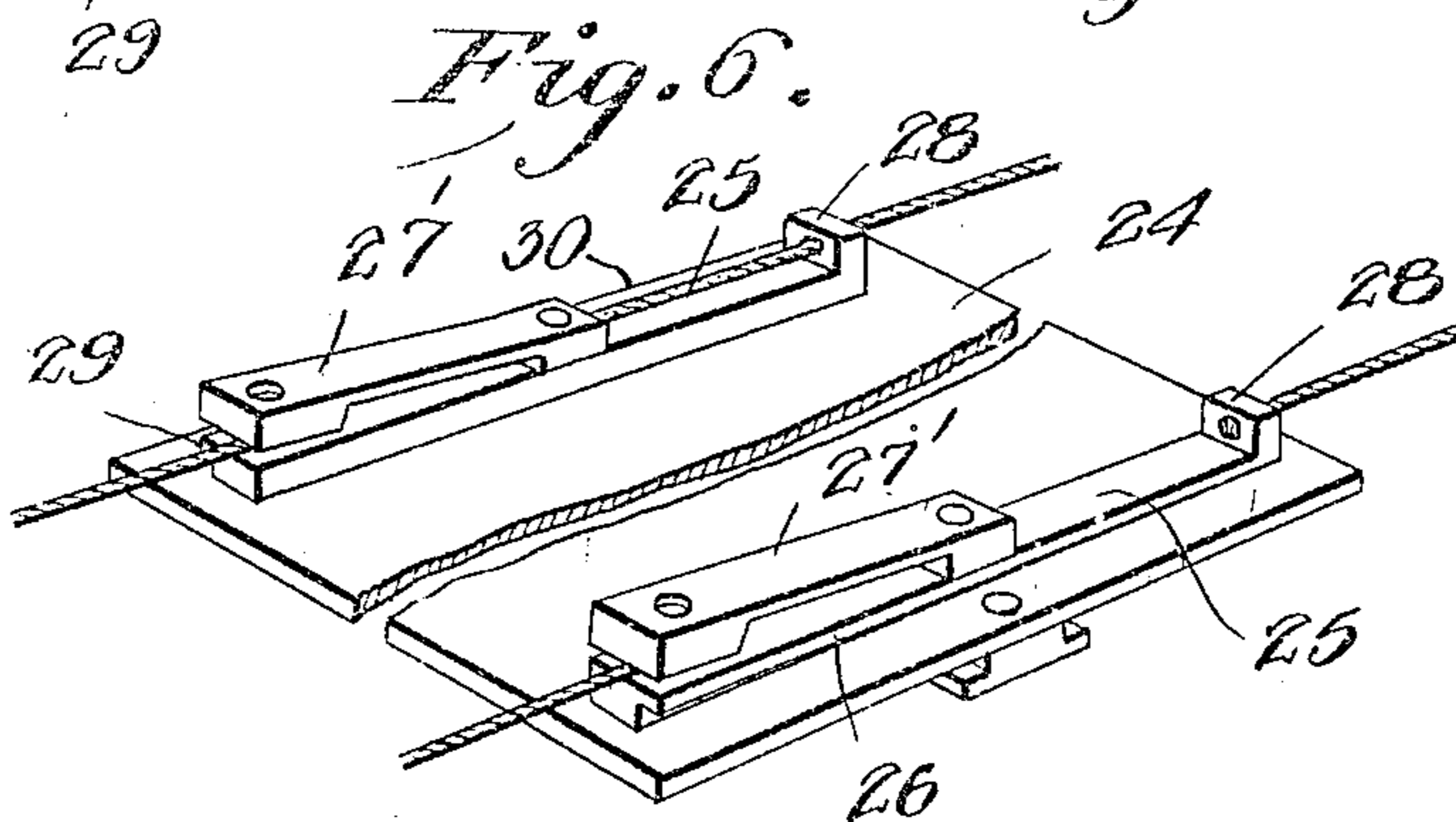
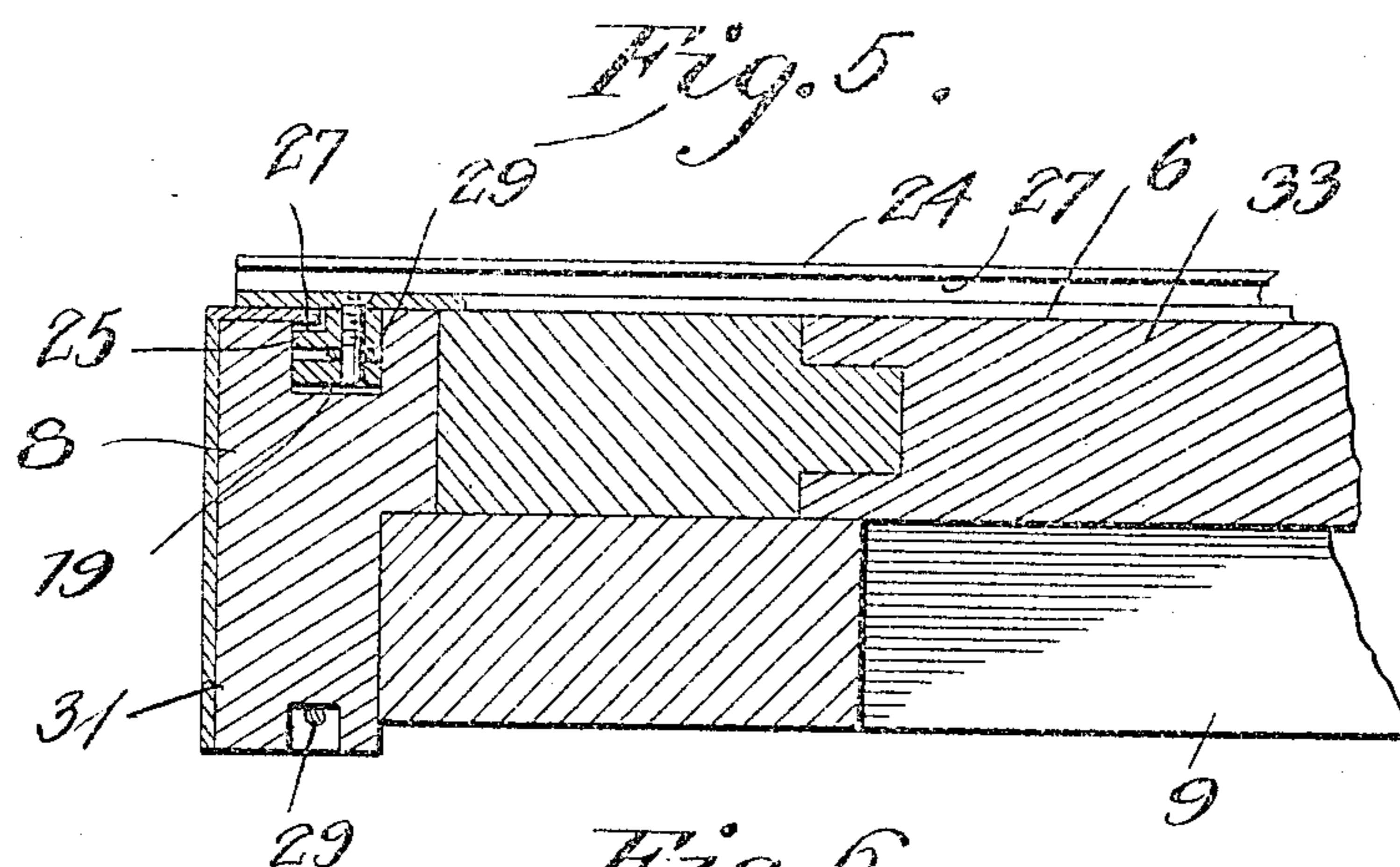
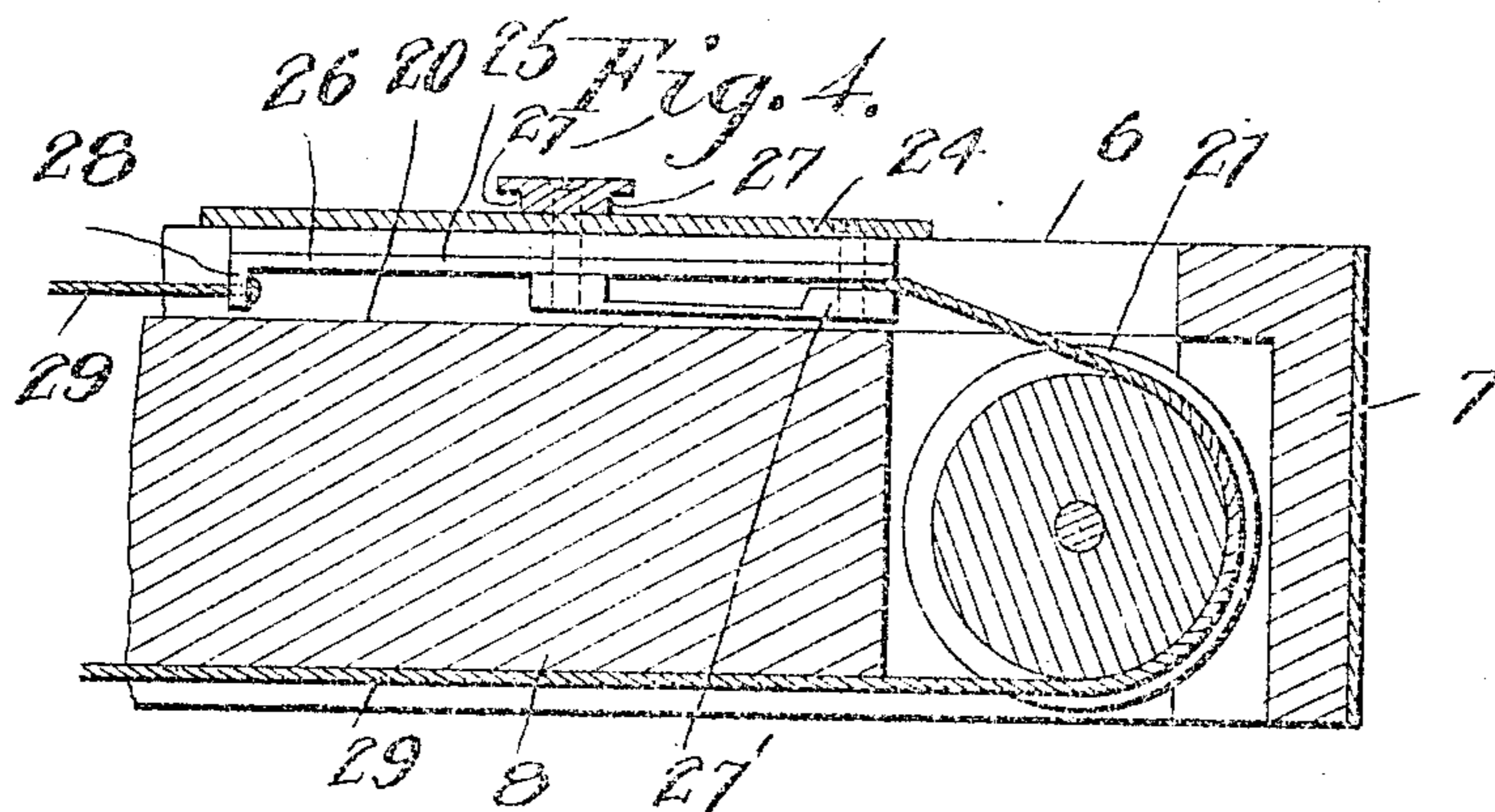
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# UNITED STATES PATENT OFFICE.

GEORGE H. GROVE, OF HARRISBURG, PENNSYLVANIA.

## DRAWING-TABLE.

No. 927,526.

Specification of Letters Patent.

Patented July 13, 1909.

Application filed December 10, 1908. Serial No. 466,874.

*To all whom it may concern:*

Be it known that I, GEORGE H. GROVE, a citizen of the United States, residing at Harrisburg, in the county of Dauphin and State of Pennsylvania, have invented certain new and useful Improvements in Drawing-Tables; 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.

This invention relates to an improved drawing table and has for its object to provide an improved form of adjusting means for the horizontal ruler whereby when the latter is adjusted, the pull upon both ends thereof will be equalized and the ruler will not tend to bind at one end against the table, a condition which is highly probable through use of any of the adjusting means now in use.

With this and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts, as will be more fully described and particularly pointed out in the appended claims.

In the accompanying drawing, Figure 1 is a plan view of the table. Fig. 2 is a reverse plan view thereof. Fig. 3 is a fragmentary view of one corner of the top on an enlarged scale. Fig. 4 a transverse section on line 7—7 of Fig. 3. Fig. 5 is a longitudinal section taken on line 8—8 of Fig. 3, and Fig. 6 is a sectional perspective view of the sliding ruler.

In the embodiment illustrated 6 indicates the table top which is of approximately rectangular form and consists of side and end pieces 7 and 8, respectively, and a number of cross braces, 9.

In carrying out the invention, both the top and bottom edges of the end pieces 8 of the table top are provided with longitudinal guide grooves 19 and with vertical slots 20 at the ends of the grooves in which are mounted grooved guide rollers 21. A pair of grooved guide rollers 22 and 23, respectively, is mounted upon the bottom surfaces of the end pieces at each end of the table, the purpose of which will be disclosed. The sliding ruler 24 for making horizontal lines of the drawing is provided near each end with a transverse rib 25 formed at their outer edges with laterally projecting retaining flanges 26 adapted to engage the inwardly projecting portions 27 of the metallic guide 31 screwed or otherwise

affixed to the top edges of the end pieces of the table top. The inner ends of the ribs 25 are provided with longitudinal spring clamps 27' and the outer ends thereof with inwardly extending apertured lugs 28.

In practice one end of a cord or other flexible element 29 is engaged with the clamp at one end of the sliding ruler and is then passed downwardly over the guide roller 21 at the adjacent inner corner of the top and thence over the roller 22 and after having been extended to the opposite end of the table and passed over the roller 23, is next passed into the guide groove 23' in the bottom surface of the adjacent end piece of the top and thence upwardly over the guide roller 21' at the adjacent outer corner of the top. The cord is then passed through the guide groove in the top surface of the end piece and through the spring clamp and apertured lug at the adjacent end, as 30, of the sliding ruler and is then passed over the guide roller 21<sup>2</sup> at the inner corner of the table and after having been passed over the roller 23 is passed to the opposite or first mentioned end of the top and after passing upwardly over the guide roller 21<sup>3</sup> at the inner corner of the top is connected with the apertured extension of the first mentioned end of the ruler.

From the foregoing it will be seen that both ends of the sliding ruler are connected by a single cord or flexible element and that when the ruler is adjusted laterally upon the table top the pull upon both ends of the same will be equalized and any tendency for one end of the ruler binding against the cross piece of the top which would otherwise exist is entirely obviated.

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

1. In a drawing table, a top comprising side pieces and end pieces formed in their top and bottom surfaces with longitudinal guide grooves, guide rollers at the ends of said grooves, a sliding ruler provided at opposite ends and on its bottom surface with transverse ribs formed at their inner ends with spring clamps and at their opposite ends with apertured lugs, and a single flexible element passing in the guide grooves of the end pieces over said guide rollers and attached at one end to the spring clamp at one end of the ruler and at its opposite end to the apertured lug at said end of the ruler, the flexible ele-

ment being engaged with the spring clamp and passed through the apertured extension at the opposite end of the ruler.

2. In a drawing table, a top comprising  
5 side and end pieces, the end pieces being  
formed in opposite surfaces with longitudinal  
guide grooves, metallic guard strips secured  
to the upper edges of the end pieces with por-  
tions thereof extending over the guide  
10 grooves in the top edges of the end pieces and  
a sliding ruler provided at opposite ends and  
on its bottom surface with longitudinal ribs  
provided at their outer edges with out-

wardly extending guard flanges to fit under  
the inwardly extending portions of the guard 15  
strips and a single flexible element passing  
into the guide grooves of the end pieces and  
connected with opposite ends of the sliding  
ruler.

In testimony whereof I have hereunto set 20  
my hand in presence of two subscribing wit-  
nesses.

GEORGE H. GROVE.

Witnesses:

FRED C. MILLER,  
JOHN S. ARNOLD.