

No. 819,499.

PATENTED MAY 1, 1906.

E. H. BATEMAN.
GAGE.

APPLICATION FILED NOV. 16, 1905.

Fig. 1.

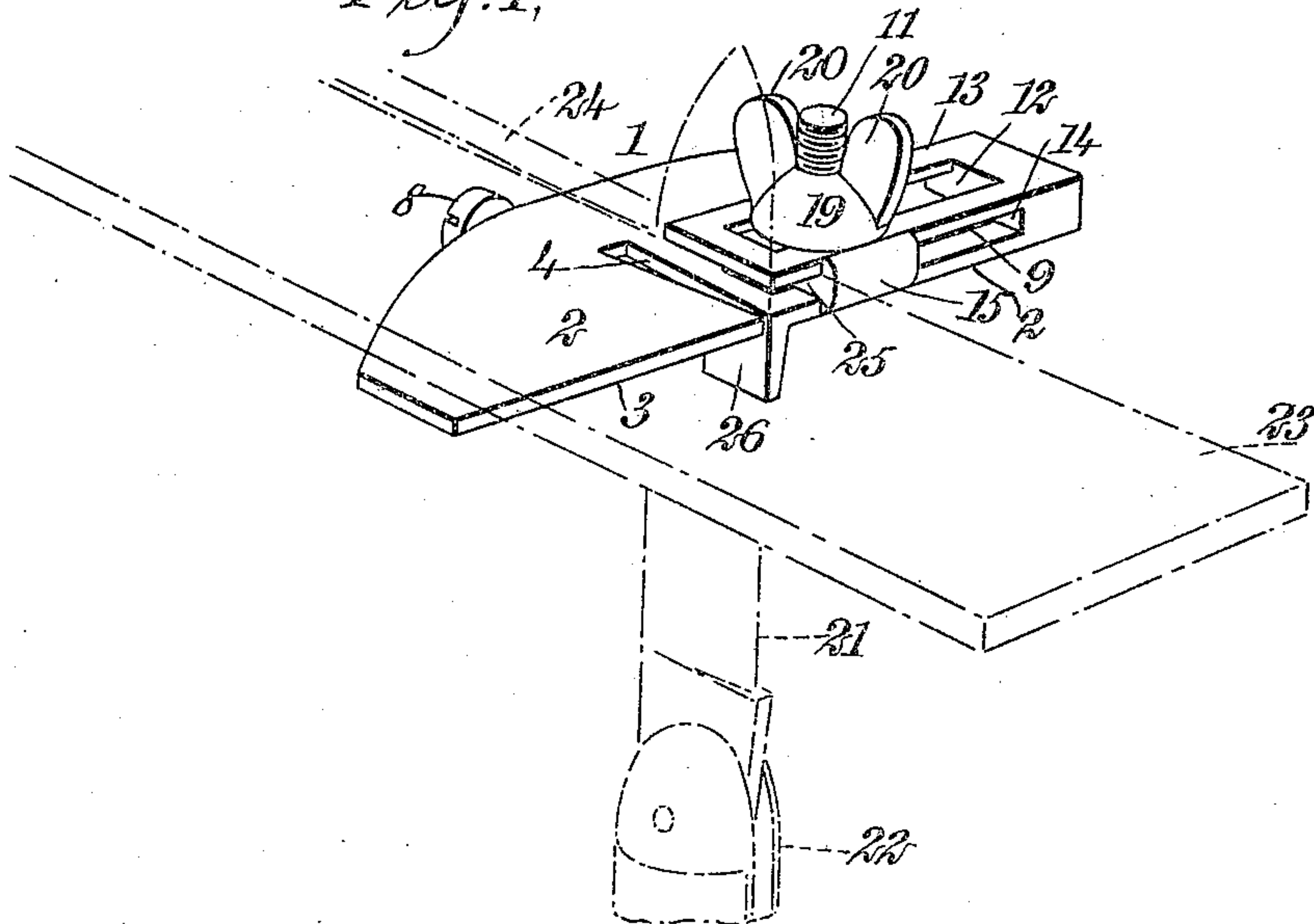


Fig. 2.

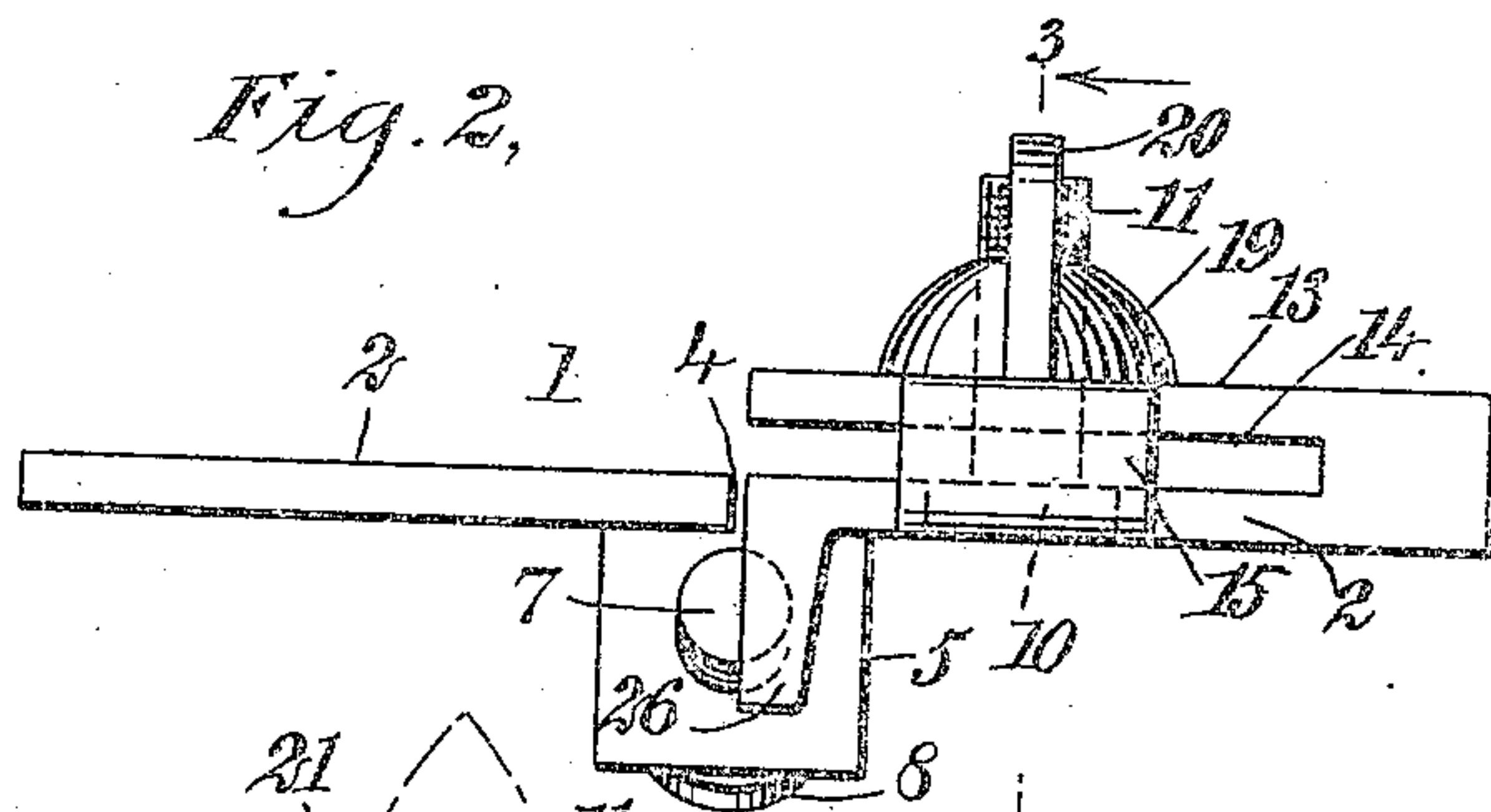
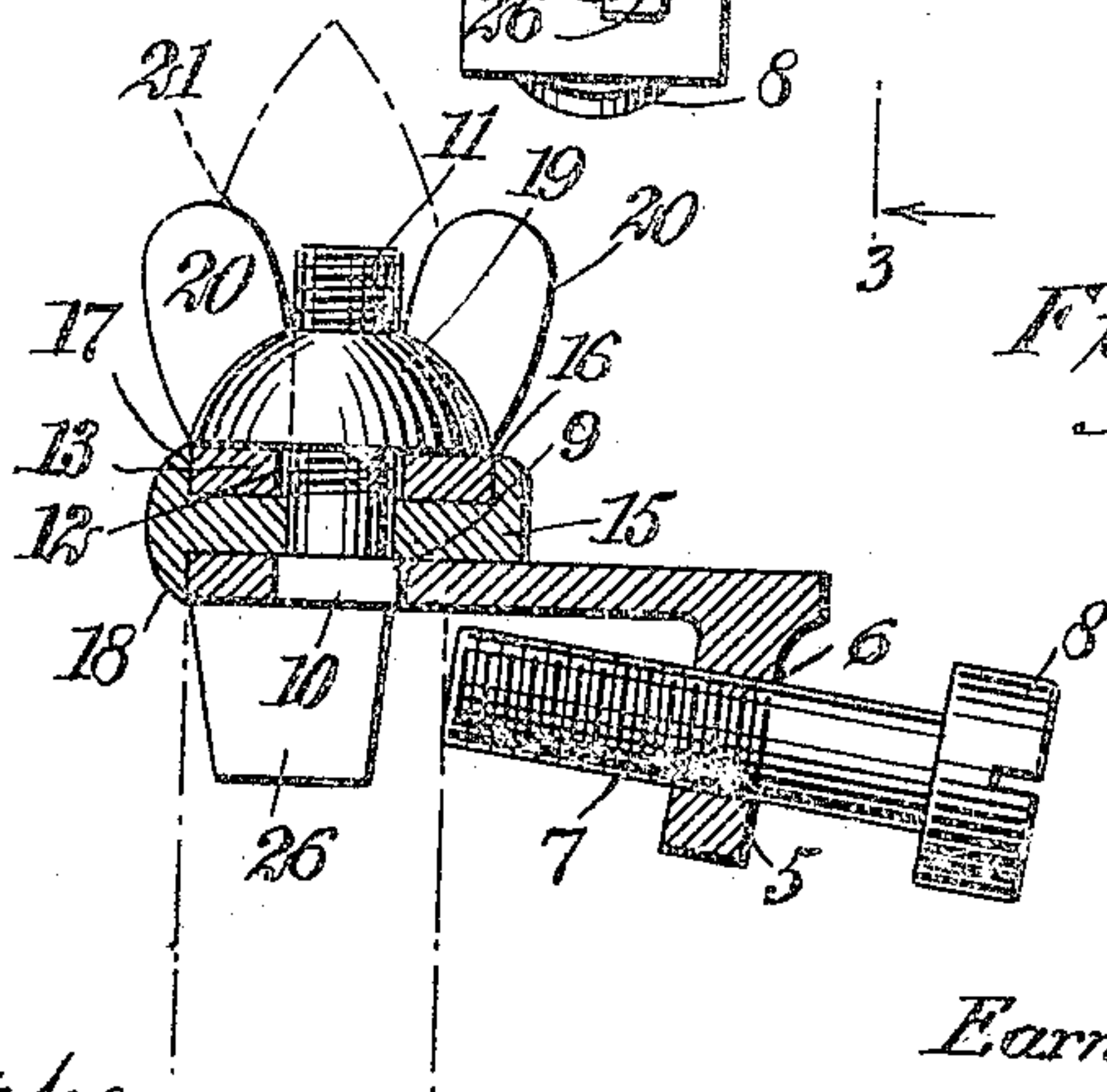


Fig. 3.



WITNESSES:

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EARNEST HAROLD BATEMAN, OF BALDUR, CANADA.

GAGE.

No. 819,499.

Specification of Letters Patent.

Patented May 1, 1906.

Application filed November 16, 1905. Serial No. 287,703.

To all whom it may concern:

Be it known that I, EARNEST HAROLD BATEMAN, a subject of the King of Great Britain, and a resident of Baldur, in the Province of Manitoba, Dominion of Canada, have invented a new and Improved Gage, of which the following is a full, clear, and exact description.

This invention relates to gages; and it consists, substantially, in the details of construction and combinations of parts hereinafter more particularly described, and pointed out in the claims.

The invention has reference more especially to gages for use in connection with a blade or knife for cutting leather into laces or strips for various purposes in the arts; and one of the principal objects of the invention is to provide a gage of this kind of an embodiment to overcome certain disadvantages and objections encountered in the use of other gages of the kind hitherto devised.

A further object is to provide a gage of the character referred to which is simple in construction and comparatively inexpensive to manufacture, besides being effective and reliable for its purposes and possessing the capacity for long and repeated service.

The above and additional objects are attained by means substantially such as are illustrated in the accompanying drawings, in which—

Figure 1 is a view in perspective of my improved gage, showing the construction thereof and illustrating in dotted lines the manner in which the same is employed for cutting laces or strips from a body of leather or other material. Fig. 2 is a front view of the gage, and Fig. 3 is a transverse sectional view taken on the line 3 3 of Fig. 2.

Before proceeding with a more detailed description it may be stated that in the form of my improvements herein shown I employ special means both for supporting a knife for cutting laces or strips from a body of leather or other material and for maintaining the blade or knife in truly operative position during the cutting operations, special means being also employed for adjusting the blade or knife within the said first-named special means as the cutting edge thereof becomes worn down from use, said second-named special means also serving to hold the blade or knife to its work, as will presently be explained. Said first-mentioned special means comprises

a special guide for each lace or strip of leather or other material as it is being cut from the body of the material, combined with which are further special means for determining or regulating the width of the lace or strip, also as will presently be explained. The several means referred to are separable from each other and readily taken apart for any purpose desired, and it may be stated that my improved gage is intended for mounting upon a blade of an ordinary penknife, which may be employed for effecting the cutting of the laces or strips from the body of leather or other material, and while I have herein represented my improvements in a certain preferred embodiment it will be understood that I am not limited thereto in precise detail, since immaterial changes therein may be made coming within the scope of my invention.

Reference being had to the drawings by the designating characters thereon, 1 represents my improved gage in entirety, the same comprising a plate 2 of suitable dimensions and form and having a straight edge 3, from which is formed in a suitable portion of the plate an inwardly-extending slot 4, the edges or sides of which are convergent toward the open end of the slot, which is at the said edge 3 of the plate, it being noted that the latter is provided at the under side thereof, beyond the inner extremity of said slot 4, with a projection 5, having therein an opening 6, the threaded walls of which are preferably inclined in the direction of the under side of the plate, and working within this opening is a screw 7, having a head 8, by which the same may be manipulated, as will presently be explained. The said plate 2 is formed at one side of the slot 4 (at the right-hand side) with a rectangular slot 9, the edges or sides of which are parallel with each other and with the said straight edge 3 of the plate, and working between the said edges or sides is the head 10 of an inverted screw 11, extending through a rectangular slot 12, formed in a shelf 13, preferably integral with the plate 2 and being separated from the upper surface of the latter by means of a space 14, the edges or sides of the said slot 12 being parallel with and in alinement with the said edges or sides of the slot 9. The said screw 11 also extends through an opening therefor in a gage-block 15, having upturned flanges 16 and 17, movable against the edges of the shelf 13 in the

adjustments of said block and also having opposite to the said upturned flange 17 a downturned flange 18, movable along the said straight edge 3 of the plate 2 in the adjustments of the gage-block. The screw 11 is provided with a nut 19 above the upper surface of the shelf 13, preferably having thumb-pieces 20 for turning the nut in effecting adjustments of the gage-block.

10 In the use of my improved gage a blade 21 of an ordinary knife 22 is inserted through the slot 4 of the plate 2 from the under side of the plate, whereupon the screw 7 is turned to cause the end thereof to engage with the
15 back of said blade, (see Fig. 3,) and thereby not only maintain the blade in true operative cutting position, but also serving as a backing for holding the blade to its work. The gage-block having been moved in the guiding-space 14 therefor, between the upper surface
20 of the plate 2 and the under surface of the shelf 13, and tightened in the desired position, the handle of the knife is grasped in the right hand, while the body 23, of leather or
25 other material, is held in the left hand in such manner as that the cutting edge of the blade 21 will sever from said body of leather or other material, a lace or strip 24, corresponding in width to the distance between the inner
30 edge 25 of the gage-block 15 and the adjacent face of the said blade 21. The outer end of the slot 4 being open, it is apparent that the cutting edge of the blade is not at all injured in the use of my improved gage and
35 also that as the cutting edge of the blade wears down in use the blade may still continue to be projected forwardly in compensation therefor.

40 On the under side of the plate 1 and at one side of the slot 4 in the plate, adjacent to the open end of said slot, is a brace 26 for the blade 21, and it will be seen that my improved structure is well adapted for the intended purposes thereof.

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

1. A gage for the purpose described, comprising a plate provided with a slot, one end
50 of which extends to an edge of the plate and is open, and the sides of which converge toward said edge, said slot being for the reception of the blade of a knife, a projection on the under side of the plate adjacent to the inner
55 end of the slot, and a screw working in an opening therefor in the projection, for engaging with the back of said blade.

2. A gage for the purpose described, comprising a plate having a straight edge, and
60 provided with a slot, one end of which extends to said straight edge and is open, the sides of the slot converging in the direction of its open end, and the slot being for the reception of the blade of a knife, a projection on the
65 under side of the plate adjacent to the inner

end of the slot, and a screw working in an opening therefor in the projection, for engaging with the back of said blade.

3. A gage for the purpose described, comprising a plate having a straight edge and
70 provided with a slot, one end of which extends to said straight edge and is open, the sides of the slot converging toward the straight edge, and said slot being for the reception of the blade of a knife, a guide on the
75 plate located at one side of the slot, and a gage-block working in said guide, and provided with means for securing the same in different positions of adjustment.

4. A gage for the purpose described, comprising a plate having a straight edge and
80 formed with a slot, one end of which extends to said edge and is open, said slot being for the reception of the blade of a knife, means for engaging with the back of the blade, for
85 holding the blade to its work, a guide on the plate located at one side of the slot, a gage-block working in said guide, and means for securing said block in different positions of adjustment thereof.
90

5. A gage for the purpose described, comprising a plate having a straight edge and
95 provided with a slot, one end of which extends to said straight edge and is open, the sides of the slot converging toward each other, in the direction of the straight edge, and said slot being for the reception of the blade of a knife, a shelf rigid with the plate at one side of the slot, and separated from the
100 plate by a space, the plate and said shelf being formed with corresponding rectangular slots disposed at right angles to the slot first mentioned, a gage-block working in said
space between the shelf and plate, a screw
105 extending through said rectangular slots and through an opening therefor in the gage-block, and a nut on the screw for securing the gage-block in different positions of adjustment thereof.

6. A gage for the purpose described, comprising a plate having a straight edge and
110 provided with a slot, one end of which extends to said straight-edge and is open, the sides of the slot converging toward each other, in the direction of the straight edge,
115 and said slot being for the reception of the blade of a knife, a shelf rigid with the plate at one side of the slot, and separated from the plate by a space, the plate and said shelf being
120 formed with corresponding rectangular slots disposed at right angles to the slot first mentioned, a gage-block working in said space between the shelf and plate, a screw
125 extending through said rectangular slots and through an opening therefor in the gage-block, and a nut on the screw for securing the gage-block in different positions of adjustment thereof, the gage-block being provided
130 with flanges, one of which moves against one edge of said shelf, and others of which move

against the opposite edge of the shelf, and a portion of the straight edge of the plate.

5 7. A gage for the purpose described, comprising a plate provided with a slot, one end of which extends to an edge of the plate and is open, and the sides of which converge toward said edge, said slot being for the reception of the blade of a knife, a projection on the under side of the plate adjacent to the inner end of the slot, and a screw working in an opening therefor in the projection, for engaging with the back of said blade, the head of said screw fitting and working between the sides of one of said rectangular slots.

5 8. A gage for the purpose described, comprising a plate provided with a slot, one end of which extends to an edge of the plate and is open, and the sides of which converge toward said edge, said slot being for the reception of the blade of a knife, a projection on

the under side of the plate adjacent to the inner end of the slot, and a screw working in an opening therefor in the projection, for engaging with the back of said blade, the plate being provided on the under side thereof, at one side of the slot with a brace for said blade. 25

9. A gage for the purpose described, comprising a plate provided with a slot one end of which extends to the edge of the plate and is open, and the sides of which converge toward said edge, said slot being for the reception of the blade of a knife, and a screw for engaging and supporting the back of the blade. 30

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses. 35

EARNEST HAROLD BATEMAN.

Witnesses:

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