

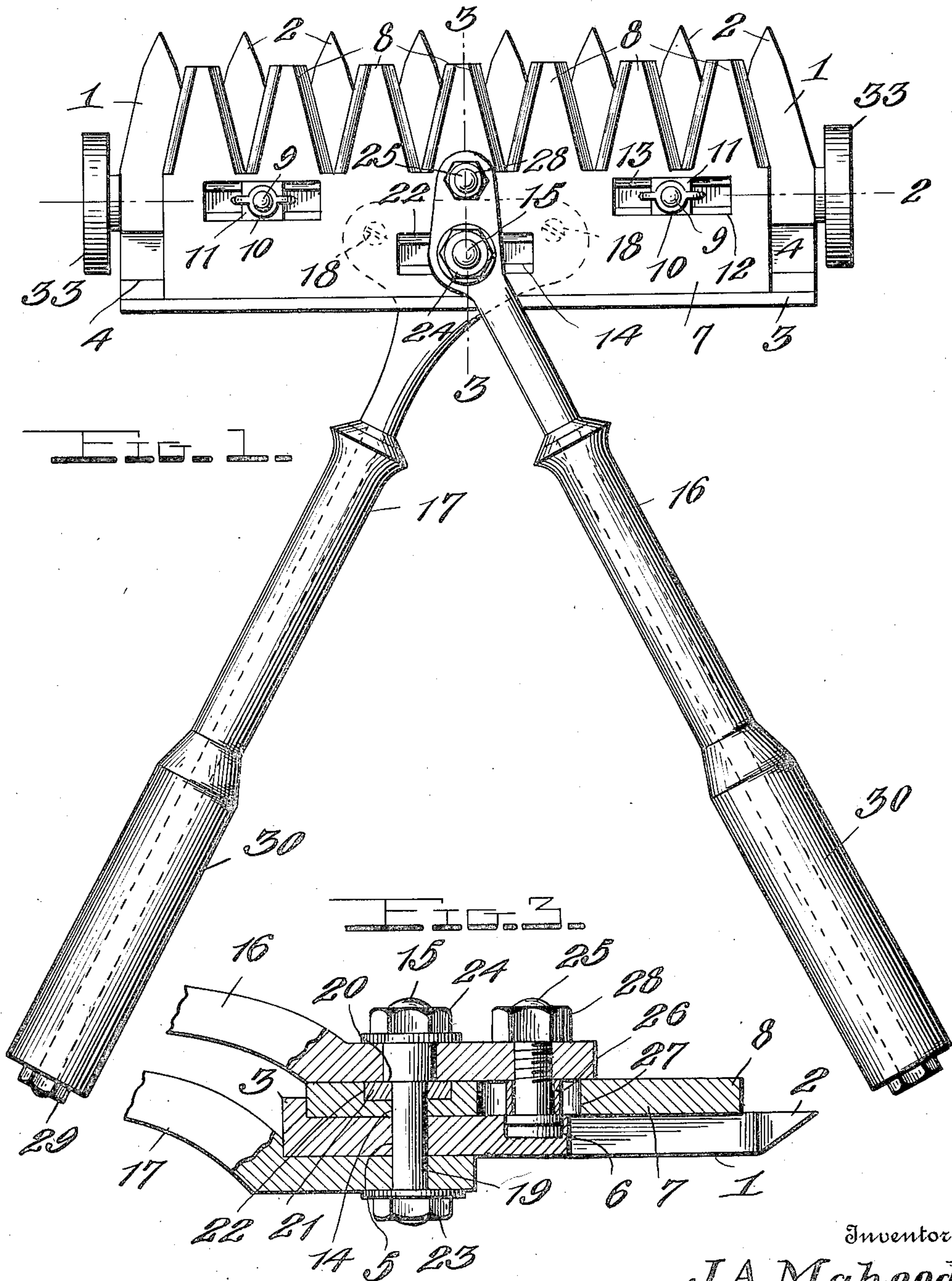
J. A. MAHOOD.  
HEDGE TRIMMER.

APPLICATION FILED APR. 26, 1910.

Patented Aug. 2, 1910.

2 SHEETS—SHEET 1.

966,108.



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Witnesses

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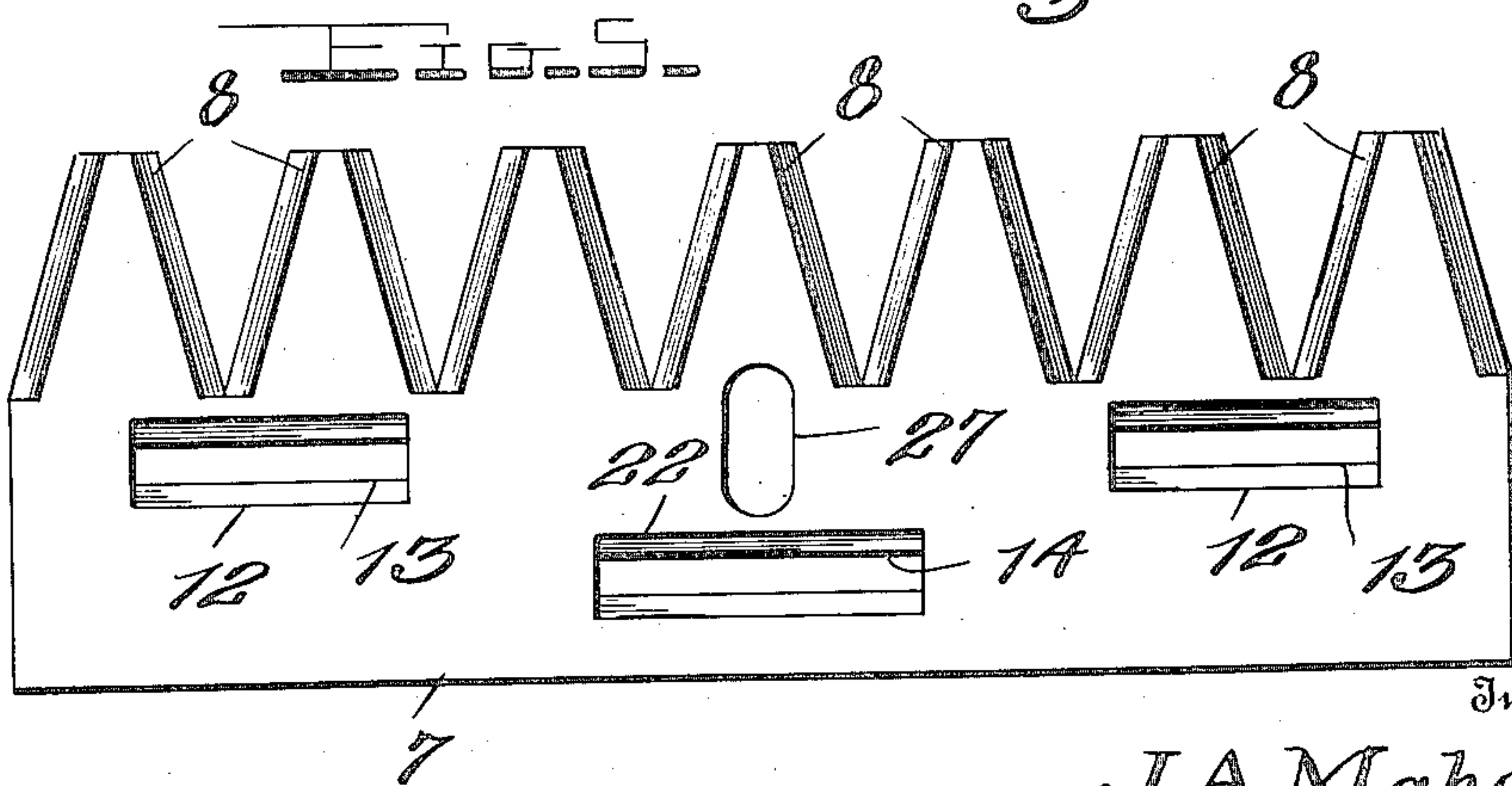
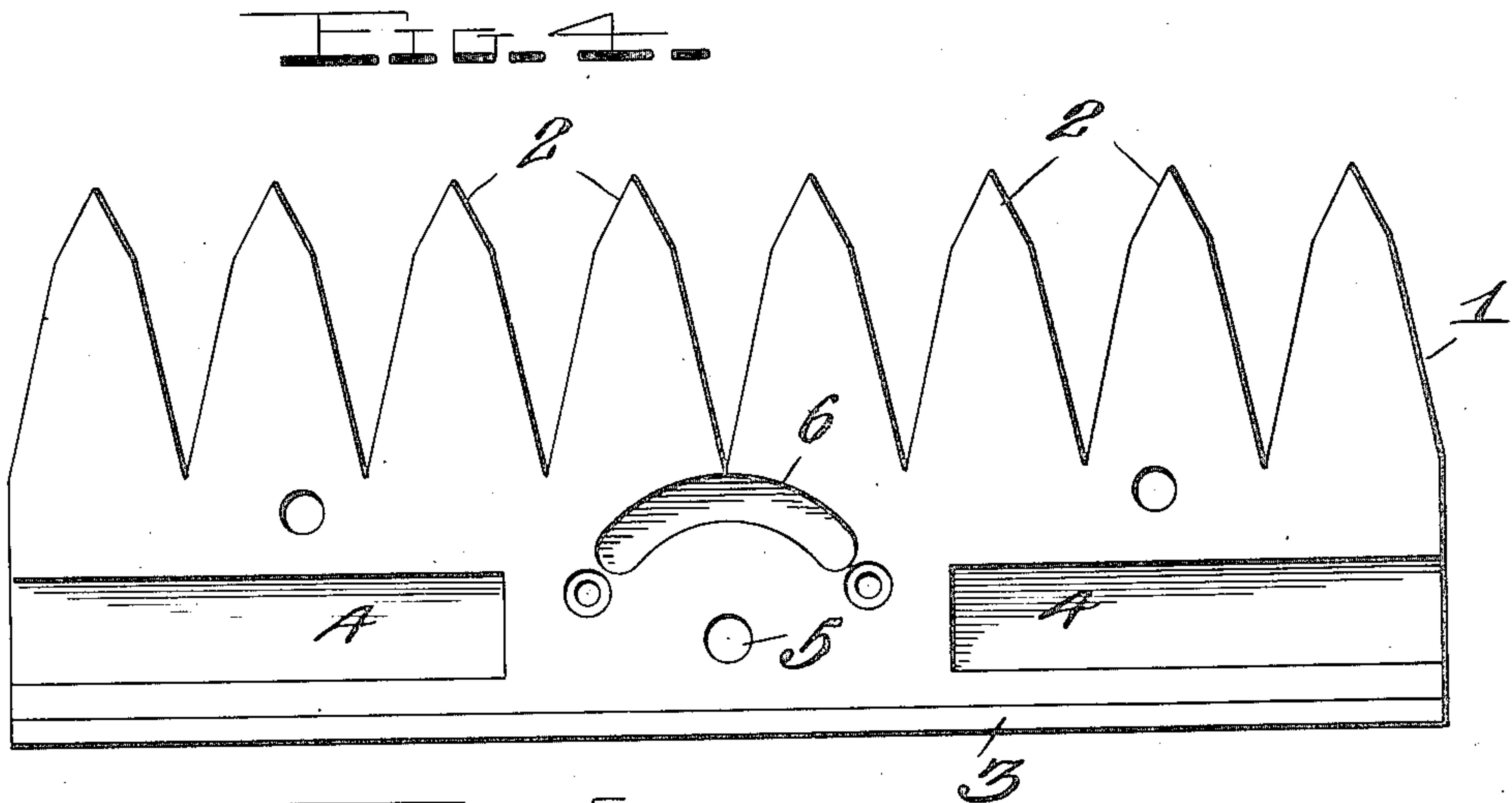
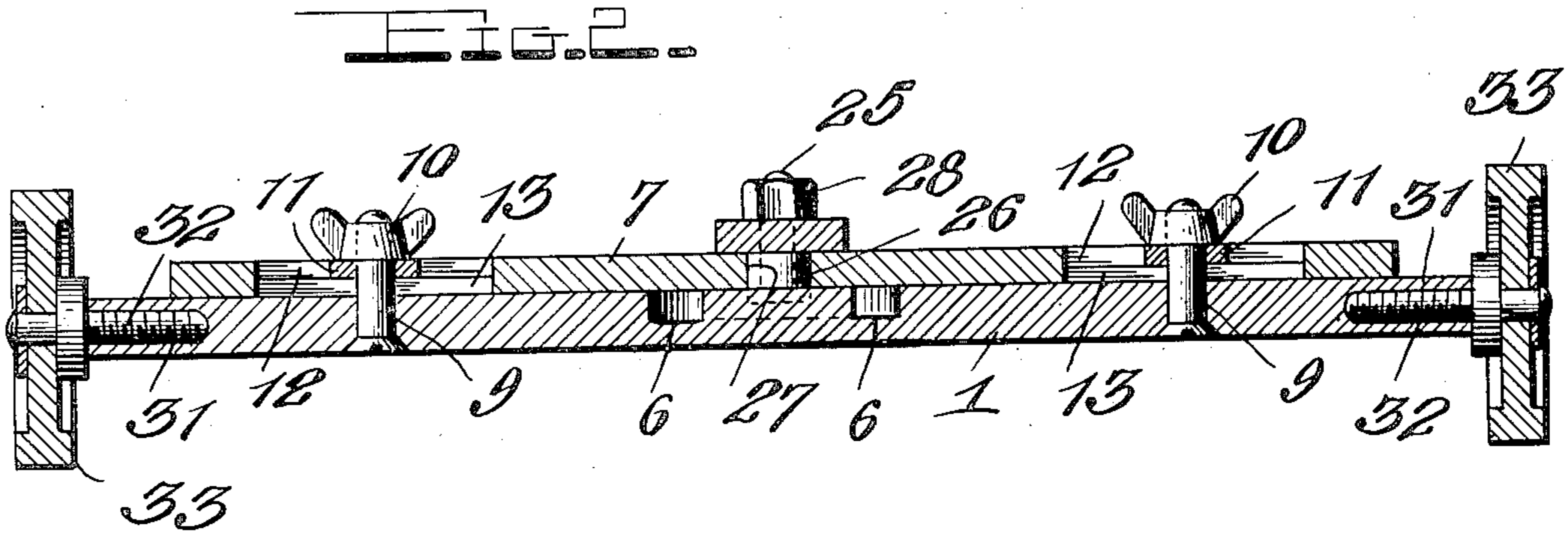
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2 SHEETS—SHEET 2.

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# UNITED STATES PATENT OFFICE.

JOHN A. MAHOOD, OF ENFIELD, PENNSYLVANIA.

HEDGE-TRIMMER.

966,108.

Specification of Letters Patent.

Patented Aug. 2, 1910.

Application filed April 26, 1910. Serial No. 557,828.

*To all whom it may concern:*

Be it known that I, JOHN A. MAHOOD, a citizen of the United States, residing at Enfield, in the county of Montgomery and State of Pennsylvania, have invented certain new and useful Improvements in Hedge-Trimmers, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to improvements in hedge trimmers, and more particularly to a device which may be used for trimming or clipping ornamental hedges, and also for clipping grass around hedges, plants, fences, walls, etc.

The object of the invention is to provide a simple and practical tool of this character which will be strong and durable in use and convenient and easy to handle and operate.

With the above and other objects in view, the invention consists of the novel construction, combination and arrangement of parts, hereinafter fully described and claimed, and illustrated in the accompanying drawings in which:—

Figure 1 is a plan view of a trimmer or clipper constructed in accordance with my invention; Figs. 2 and 3 are longitudinal and transverse sectional views taken respectively on the lines 2—2 and 3—3 in Fig. 1; Fig. 4 is a detail plan view of the lower stationary blade; and Fig. 5 is a similar view of the upper reciprocating blade.

The invention comprises a lower stationary blade 1 having its front edge formed with a longitudinal series of beveled V-shaped fingers or teeth 2 and its rear edge formed with an upstanding longitudinally extending rib 3. The top or upper face of the blade 1 is flat and has formed in it adjacent to the rib or shoulder 3 and adjacent its ends, longitudinal channels or recesses 4. At the center of the blade 1 adjacent its rear edge is a pivot opening 5, and concentric with the latter is an arcuate slot 6.

The invention also comprises an upper reciprocating blade 7 which is mounted to slide on top of the blade 1 and has its front edge notched and shaped to provide beveled V-shaped cutting teeth 8 which reciprocate across the fingers or teeth 2. The blade 7 has its rear edge slidably engaged with the rib or shoulder 3 and it is slidably retained on the blade 1 by means of a pair of vertical guide bolts 9 having the heads at their lower

ends arranged in the bottom plate or blade 1 and wing nuts 10 on their threaded upper ends. Beneath the nuts 10 are square or flat faced washers 11, which latter slide in grooves or seats 12 formed along the opposite edges of longitudinal slots 13 which are formed in the blade 7 for the reception of the bolts 9. At the center of the blade 7 adjacent its rear edge is a longitudinal slot 14 which is similar to the slots 13 and adapted to receive a vertical pivot 15. This pivot 15 is in the form of a bolt and serves as a fulcrum for a movable hand lever 16 adapted to reciprocate the upper blade 7 when oscillated toward and from a second hand lever 17 fixed to the lower blade 1. The lever 17 has an enlarged forward end secured to the bottom face of the central portion of the blade 1 by bolts 18, and also by the lower end of the pivot bolt 15. This lower end of the bolt 15 is designated by the numeral 19 and is reduced to form a shoulder 20 which rests on a flat faced washer 21 disposed in grooves or seats 22 on opposite sides of the slot 14. The lower extremity of the end 19 of the bolt 15 is screw threaded to receive a retaining nut 23. The large cylindrical upper end of the bolt 15 passes through a pivot opening in the lever 16 and is also screw threaded for the reception of a retaining nut 24. Carried by the forward extremity of the lever 16 is a vertically disposed bolt 25 having on its lower end a flat head above which is arranged an anti-friction roller 26 disposed in a forwardly and rearwardly extending slot 27 formed in the upper blade 7 and also in the arcuate slot 6 in the lower blade 1. The threaded upper end of the bolt 25 is threaded through lever 16 and is provided with a lock nut 28.

The hand levers 16, 17, are preferably constructed of metal and their rear ends are reduced to provide shanks on which are removably mounted by means of nuts 29, tubular wooden hand grips 30.

Formed in the ends of the lower or bottom blade 1 are threaded openings 31 to receive right and left hand screws 32 which serve as journals for supporting wheels or rollers 33. These wheels are employed when the device is to be used as a clipper for trimming grass around a fence, hedge or the like.

In operation it will be seen that the lever 17 is held in the left hand while the lever 16 is oscillated by the right hand. When the



lever 16 is moved it swings on the pivot 15 and the roller 26 will cause the upper blade 7 to be reciprocated. Owing to the peculiar construction of the several parts of the tool  
5 it will be seen that the device is exceedingly strong and durable, that it will be easy to operate and convenient to handle, and that the parts may be readily separated to permit of cleaning and to permit the cutting blade  
10 to be sharpened.

Having thus described the invention, what is claimed is:

1. A device of the character described comprising a lower blade having a longitudinal  
15 shoulder at its rear and forwardly projecting fingers at its front edge, a vertical pivot adjacent the center of said blade, vertical guides rising from said blade, a handle fixed to said blade, an upper blade arranged  
20 for reciprocatory movement on the lower blade and having its rear edge slidably engaged with said shoulder and its front edge formed with cutting teeth to reciprocate across the spaces between said fingers and  
25 the said upper blade being formed with longitudinal slots to receive said vertical guides and said vertical pivot, and also with a centrally arranged, forwardly and rearwardly extending slot, a second lever fulcrumed in-  
30 termediate its ends on said pivot, and a pin depending from the forward end of the last mentioned lever and carrying an anti-fric-

tion roller to work in the last mentioned slot in the upper blade.

2. A device of the character described 35 comprising a lower blade having a longitudinal shoulder at its rear and forwardly projecting fingers at its front edge, a vertical pivot adjacent the center of said blade, vertical guides rising from said blade, a handle 40 fixed to said blade, an upper blade arranged for reciprocatory movement on the lower blade and having its rear edge slidably engaged with said shoulder and its front edge formed with cutting teeth to reciprocate 45 across the spaces between said fingers and the said upper blade being formed with longitudinal slots to receive said vertical guides and said vertical pivot, and also with a centrally arranged forwardly and rearwardly 50 extending slot, a second lever fulcrumed intermediate its ends on said pivot, a pin depending from the forward end of the last mentioned lever and working in the last mentioned slot in the upper blade, and sup- 55 porting wheels journaled on the ends of the lower blade.

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

JOHN A. MAHOOD.

Witnesses:

WILLIAM V. LITTLE,  
J. MILTON BROOKE.