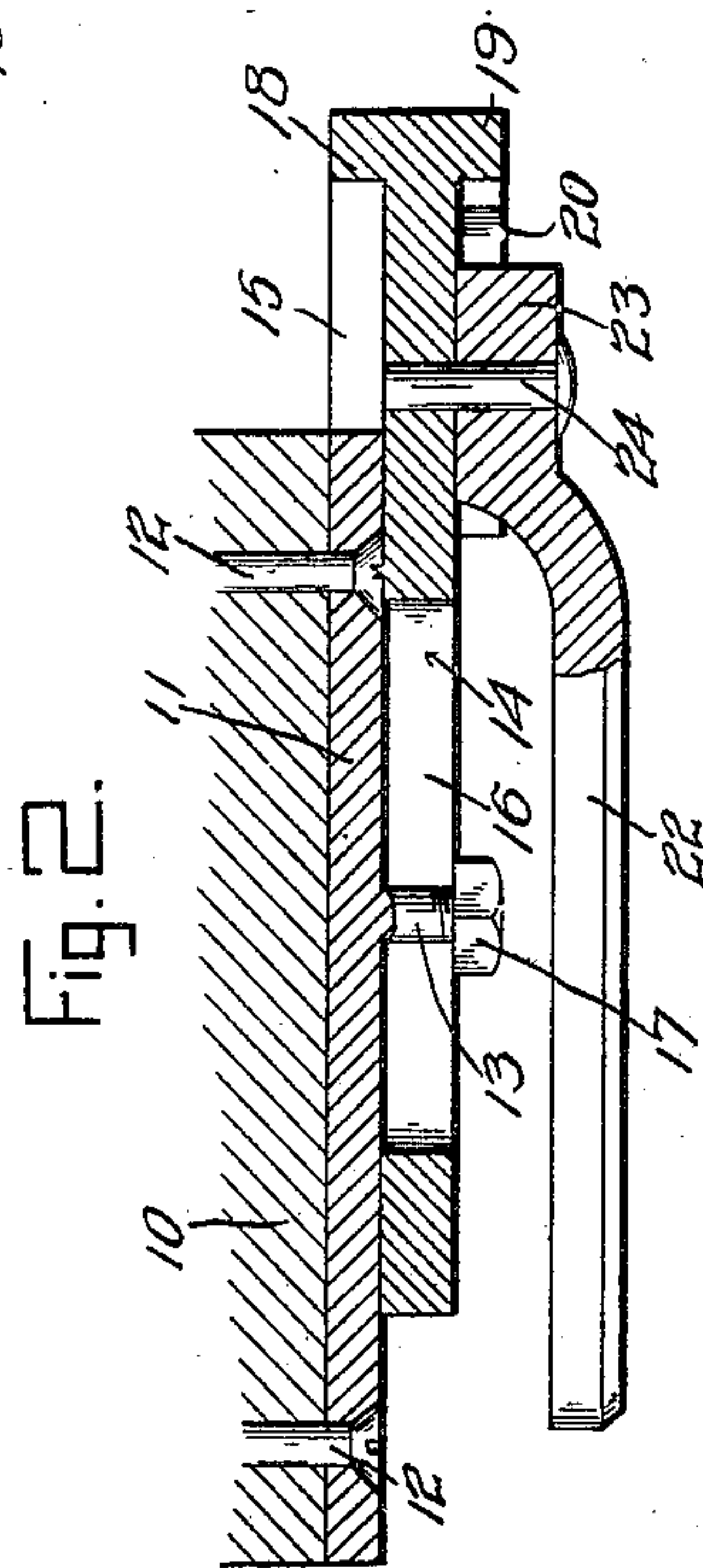
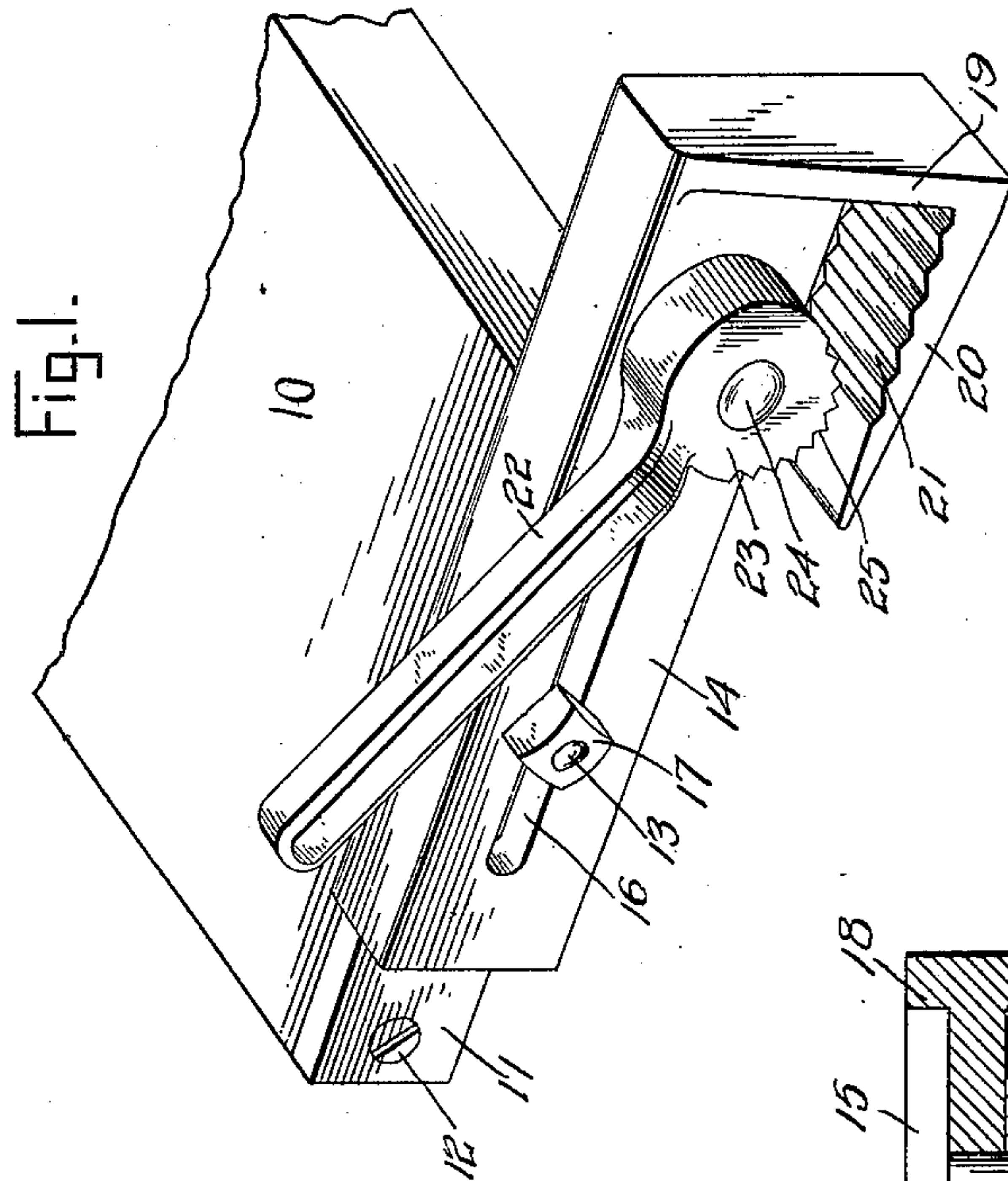


W. H. SMOTHERS.
ADJUSTABLE SHINGLING GAGE.
APPLICATION FILED APR. 6, 1908.

922,053.

Patented May 18, 1909.
2 SHEETS—SHEET 1.



Inventor

William H. Smothers.

Witnesses

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By

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Attorneys

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2 SHEETS—SHEET 2.

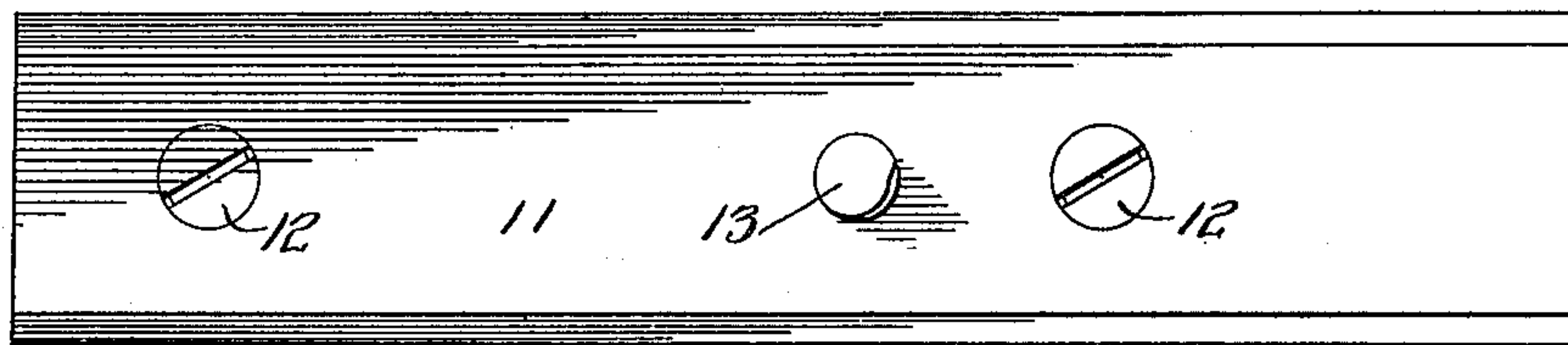


Fig. 3.

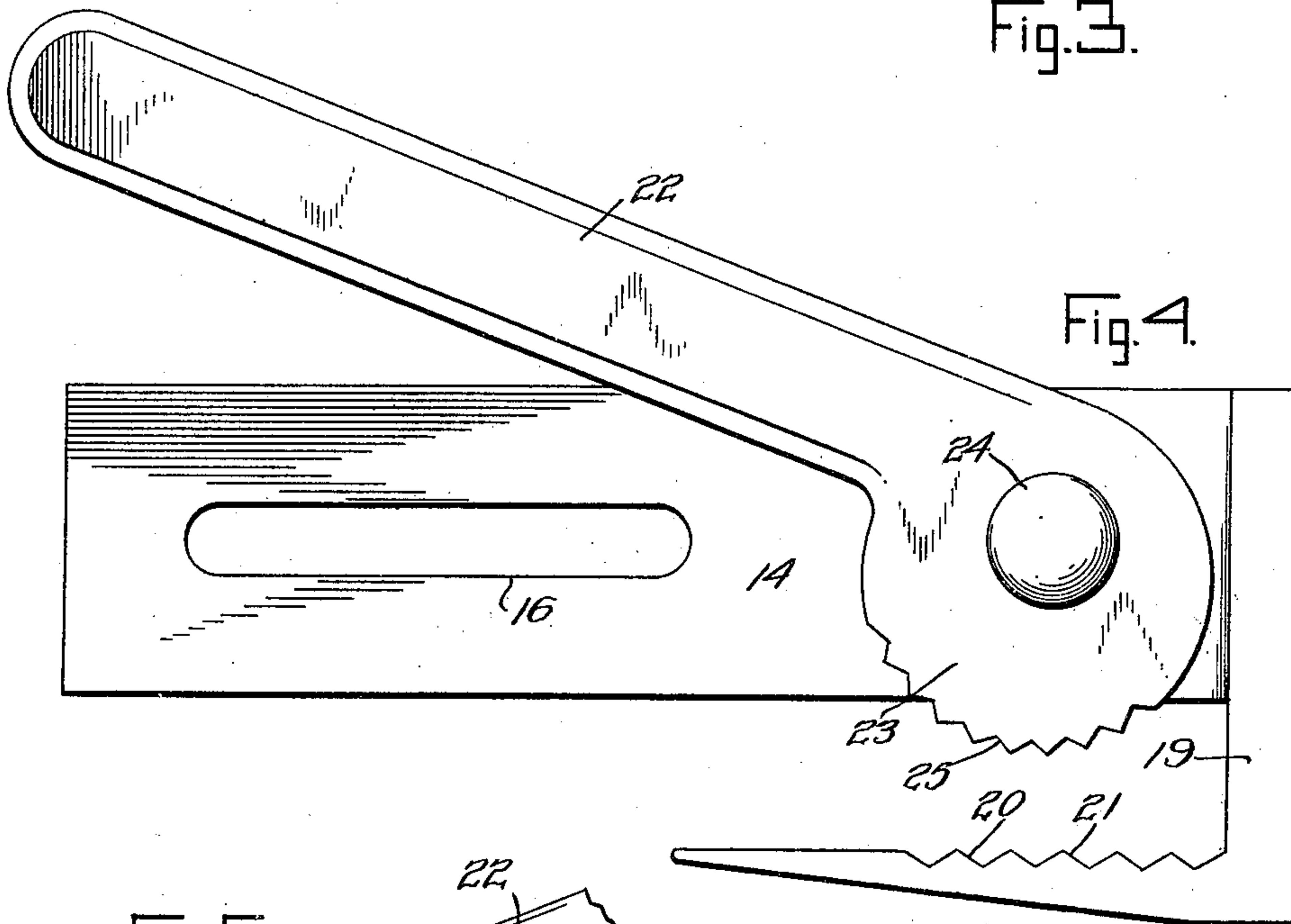


Fig. 4.

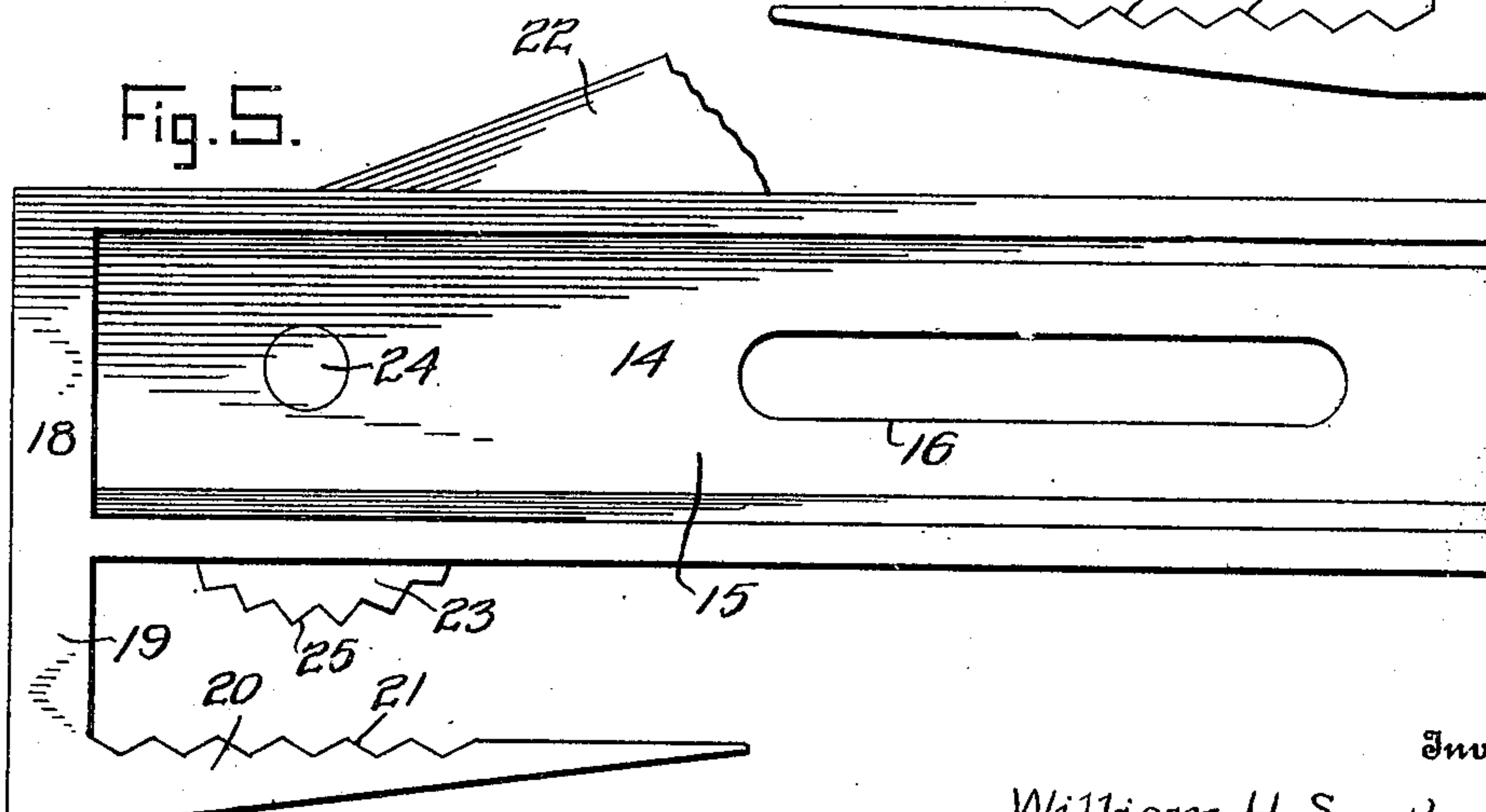


Fig. 5.

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UNITED STATES PATENT OFFICE.

WILLIAM H. SMOTHERS, OF MILLSTON, WISCONSIN.

ADJUSTABLE SHINGLING-GAGE.

No. 922,053.

Specification of Letters Patent.

Patented May 18, 1909.

Application filed April 6, 1908. Serial No. 425,514.

To all whom it may concern:

Be it known that I, WILLIAM H. SMOTHERS, a citizen of the United States, residing at Millston, in the county of Jackson, State of Wisconsin, have invented certain new and useful Improvements in Adjustable Shingling-Gages; 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 appertains to make and use the same.

The invention relates to gages for roofing shingles and more particularly to the class of adjustable shingling gages adapted to facilitate the proper positioning of shingles when affixing the same to form a roof structure.

The primary object of the invention is the provision of a shingling gage having a straight edge member with adjustable locking clamps mounted at opposite extremities of said member and adapted for engagement with previously laid shingles to maintain the straight edge member as a gage to position the unlaid shingles in proper assembled relation with respect to the laid shingles so as to form the roof structure.

Another object of the invention is the provision of a gage for affixing shingles to form a roof and having a straight edge member adjustably connected with locking clamp elements carried at opposite ends thereof so that the straight edge member can be adjusted without releasing the locking clamp element when in operative position upon the fixed shingles, and thereby properly position the shingles being laid in superimposed relation to the said fixed shingles in the formation of the roof structure.

With these and other objects in view the invention consists in the construction, combination and arrangement of parts which will be more fully hereinafter described and as illustrated in the accompanying drawings forming part of this specification, and which disclose the preferred embodiment of the invention, however, changes, variations, and modifications will be made such as come properly within the scope of the claims hereunto appended without departing from the spirit of the invention.

In the drawings: Figure 1 is a perspective view of one end portion of the shingling gage. Fig. 2 is a longitudinal sectional view thereof. Fig. 3 is an end view of the straight edge member having the locking clamp element detached therefrom. Fig. 4 is a side view of

the locking clamp element. Fig. 5 is a reverse side view of the same.

Similar reference characters indicate corresponding parts throughout the several views in the drawings.

In the drawings there is shown one end portion of a straight edge member 10 which may be of any desirable length and width, and in this instance is constructed of wood, though it can be of any other material should it be deemed desirable. The straight edge member 10 has at opposite end edges plates 11 however, only one is shown secured thereto by fastenings 12 and each having an outwardly projecting threaded stem or lug 13 for slidably connecting locking clamp members 14 to said plates.

The locking clamp members 14 each comprise an elongated plate having in its inner face a longitudinal recess 15 into which slidably engages the plate 11 and said recess is intersected for a portion of its longitudinal extent by an elongated slot 16 through which passes the threaded stem 13 carrying an adjustable nut 17 having its bearing against the outer face of the plate. The end of each recess 15 is closed by an abutment wall 18 to limit the sliding movement of the straight edge member 10 in one direction when the latter is being adjusted with respect to the locking clamp members.

Each abutment wall 18 has an extension 19 at right angles to the plate and terminates in a tapering jaw 20 spaced a distance from the latter and parallel with its lower edge. The inner face of the tapering jaw 20 has a plurality of biting teeth 21 to form an anti-slipping surface, for engagement with a roof shingle. Upon the outer face of each plate of the locking member 14 is a clamping lever 22 having an enlarged cam extremity 23 pivoted as at 24 to said plate, and which cam extremity is provided with a plurality of projecting teeth 25 for biting engagement with a roof shingle.

In operation when it is desired to lay the roof shingles to form the roof it is first necessary to affix a row of shingles at the eaves and after this has been done the locking clamp members 14 are positioned so as to have the tapering jaws engage under the lower faces of the laid shingles at their thicker lower ends so as to have the same abut against the extensions 19 and in this position the plates of the locking clamp members will overlies the upper faces of the

fixed shingles and by manipulating the clamping levers 22 the clamping members will be locked to the fixed shingle, and thus clamp the straight edge member 10 upon the row of shingles. When this is accomplished the operator or roofer now applies a row of shingles upon the parts of the shingles exposed above the straight edge member 10 securing them in place. However, prior to the securing of the shingles, should the roofer find the shingles being laid not properly positioned, he may then loosen the nut 17 on the stems 13 and properly adjust the straight edge member by sliding the same along the recesses 15 in the inner faces of the elongated plates of the locking clamp members 14. When correct adjustment of the straight edge member 10 has been attained the nuts 17 must again be tightened. This operation is successively continued until the entire roof structure has been completed.

What is claimed is:—

1. In a shingle gage, a straight edge member, plates carried at the opposite ends thereof, outwardly projecting threaded stems

on said plates, locking clamp members comprising longitudinally recessed plates for slidable engagement with the first mentioned plate, said plates having elongated slots intersecting the recesses to receive the threaded stems, and nuts carried by the stems for holding the locking clamp members in adjusted positions.

2. In a shingle gage, a straight edge member, plates fixed to the opposite ends thereof, longitudinally recessed plates slidably engaging said end plates, each recessed plate having a right angular extension terminating in tapering toothed jaws, toothed cam levers pivotally connected to the outer faces of the recessed plate and cooperative with the jaws, and means for holding the recessed plates in adjusted position with respect to the straight edge member.

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

WILLIAM H. SMOTHERS.

Witnesses:

FRED C. MILLER,
OREN MILLER.