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PATENTED OCT. 2, 1906.

G. WILLIAMS.
CLAMP.

APPLICATION FILED MAY 5, 1906.

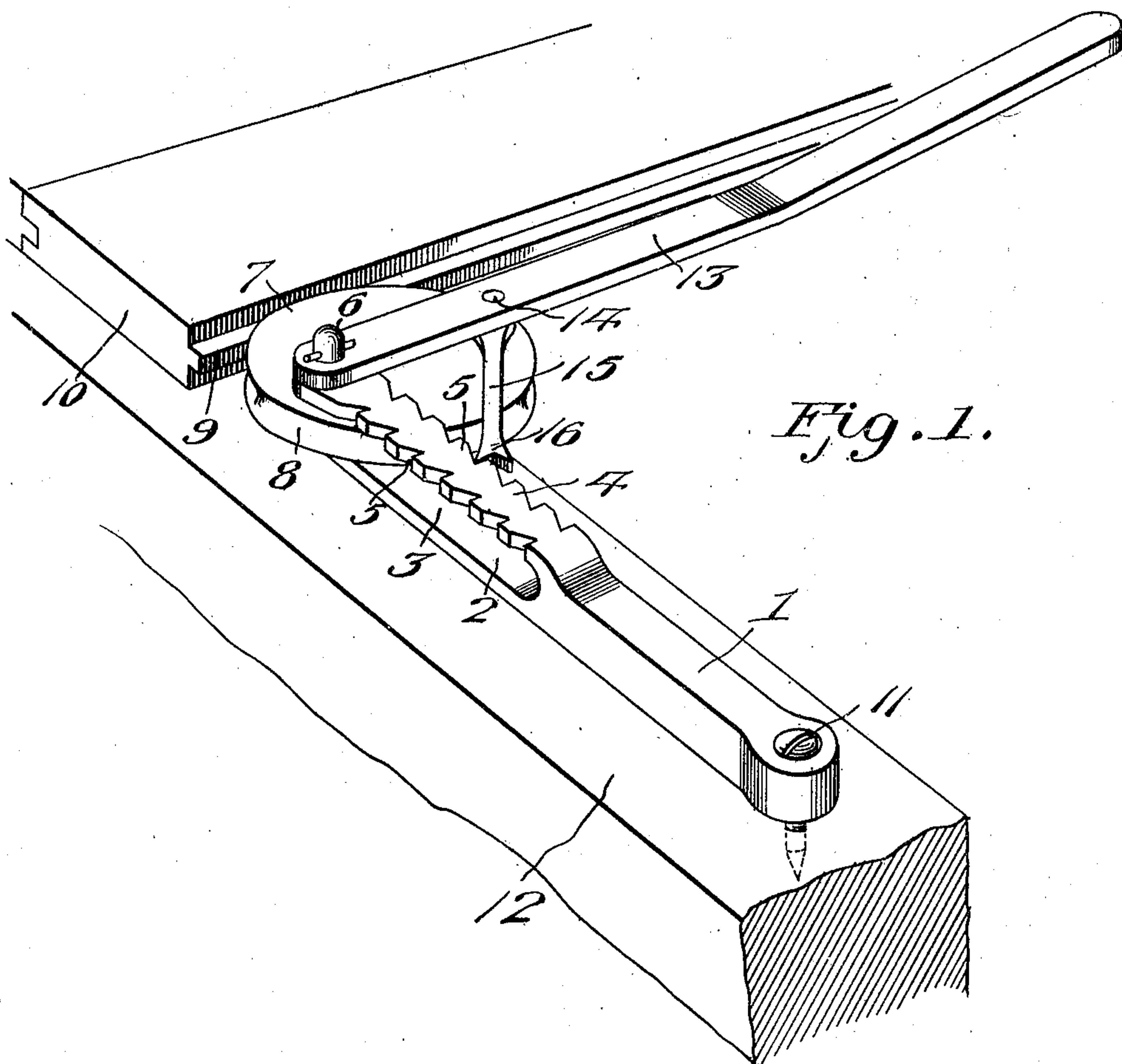
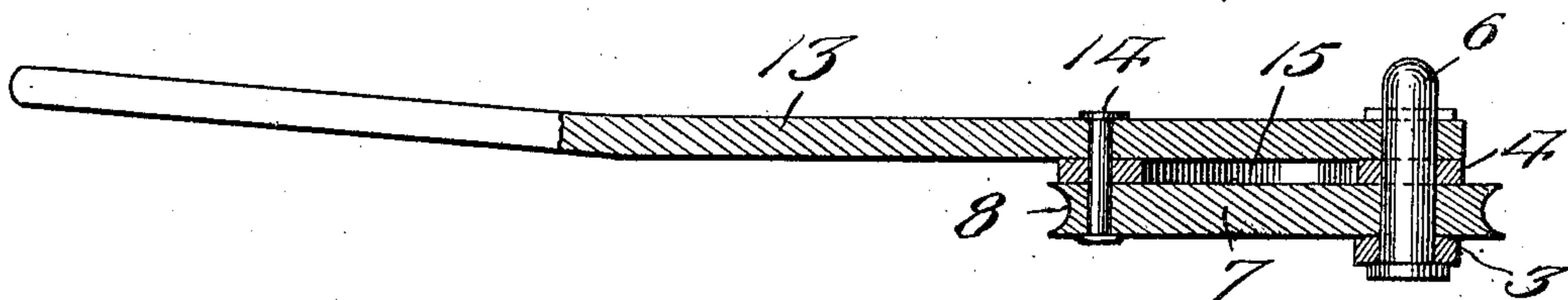


Fig. 1.

Fig. 2.



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CLAMP.

No. 832,516.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, GEORGE WILLIAMS, a citizen of the United States, residing at West Mansfield, in the county of Logan and State of Ohio, have invented new and useful Improvements in Clamps, of which the following is a specification.

This invention relates to clamps designed especially for use in laying flooring or the like, and has for its objects to produce a comparatively simple inexpensive device of this character which may be readily applied for use, one whereby a board when sprung may be forcibly retained in proper position while being nailed, and one in which the clamping member may be quickly and securely locked in clamping position.

With these and other objects in view the invention comprises the novel features of construction and combination of parts more fully hereinafter described.

In the accompanying drawings, Figure 1 is a perspective view of a clamp embodying the invention and showing the same applied. Fig. 2 is a detail sectional view taken on a line centrally and longitudinally of the handle.

Referring to the drawings, 1 designates the body portion of the device, preferably in the form of a longitudinal member or bar bifurcated at its forward end to provide a slot 2 and a pair of spaced side portions or arms 3 4, of which the latter is notched or recessed along its side edges to form teeth 5, there being eccentrically pivoted at the forward end of the body 1 within the recess 2 and by means of a pintle 6, extended transversely through the arms 3 4, a disk-like clamping-head 7, provided with a peripheral groove 8, adapted to receive a tongue 9 of a piece of flooring 10, while extended through an opening at the rear end of the body 1 is an engaging member or screw 11, designed for fixing the clamp to a base-piece or joist 12.

Pivoted at its inner end on the pintle 6 is an operating arm or lever 13, having its outer end angularly bent or offset, as shown, said lever being attached at a point between its ends and on a line at right angles with the body portion 1 to the head 7 by means of a fastening member or rivet 14, on which is pivoted one end of a locking member or dog

15, having its normally free end recessed to provide engaging portions 16, formed for engagement with the teeth 5 to lock the head against retrograde movement.

In practice and in the operation of laying the flooring if one of the boards 10 be warped it may be properly sprung into place by means of the clamping device, in applying which the fastening member is driven temporarily into the joist 12 and the head 7 arranged to bear on the flooring-strip 10, with the tongue 9 arranged in the groove 8. The lever 13 is then swung on the pivot 6, thereby rotating the head 7 for applying pressure to the board for swinging the latter into place, whereupon the locking member 15 is engaged with one of the teeth 5 for holding the clamping-head in clamping position while nailing the board to the joist. It is to be particularly observed that owing to the head 7 being eccentrically pivoted the requisite amount of pressure may be brought to bear on the board for forcibly swinging the same into place and, furthermore, that by the provision of the teeth 5 on opposite sides of the arm 4 the device is adapted for use at either end of the board.

Having thus described my invention, what I claim is—

1. A clamp of the type described comprising a body portion, a head eccentrically pivoted thereto, an operating-lever pivotally connected with the body and engaged with and for moving the head, and means for locking the latter in clamping position.

2. A clamp of the type described comprising a body portion provided with teeth, an eccentric clamping-head pivotally connected with the body, an operating-lever pivoted to the body and fixedly engaged with the head for moving the latter, and a locking member connected with the head and adapted for engagement with the teeth to lock the parts in clamping position.

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

GEORGE WILLIAMS.

Witnesses:

P. M. KELLER,
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