No. 612,677. Patented Oct. 18, 1898.

# J. H. SAYLER.

## WOOD SCRAPER.

(Application filed Feb. 26, 1898.)

(No Model.)

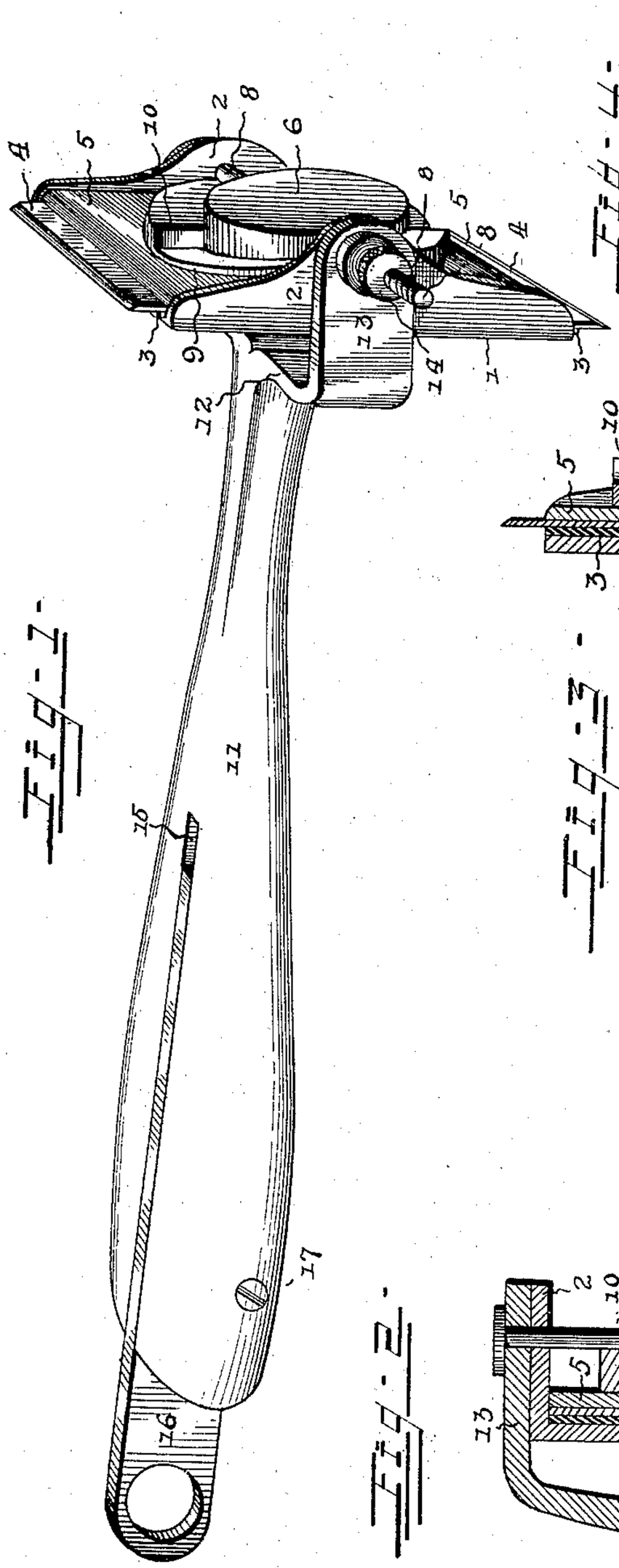

FIG. 1.

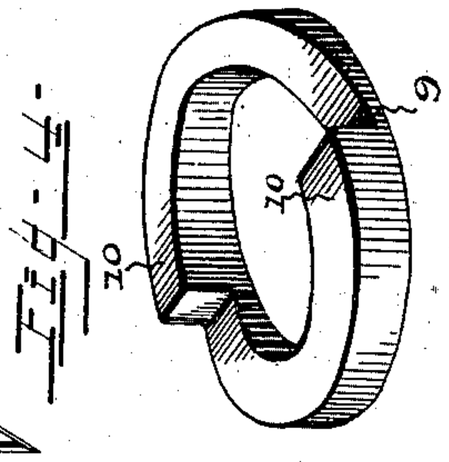

FIG. 4.

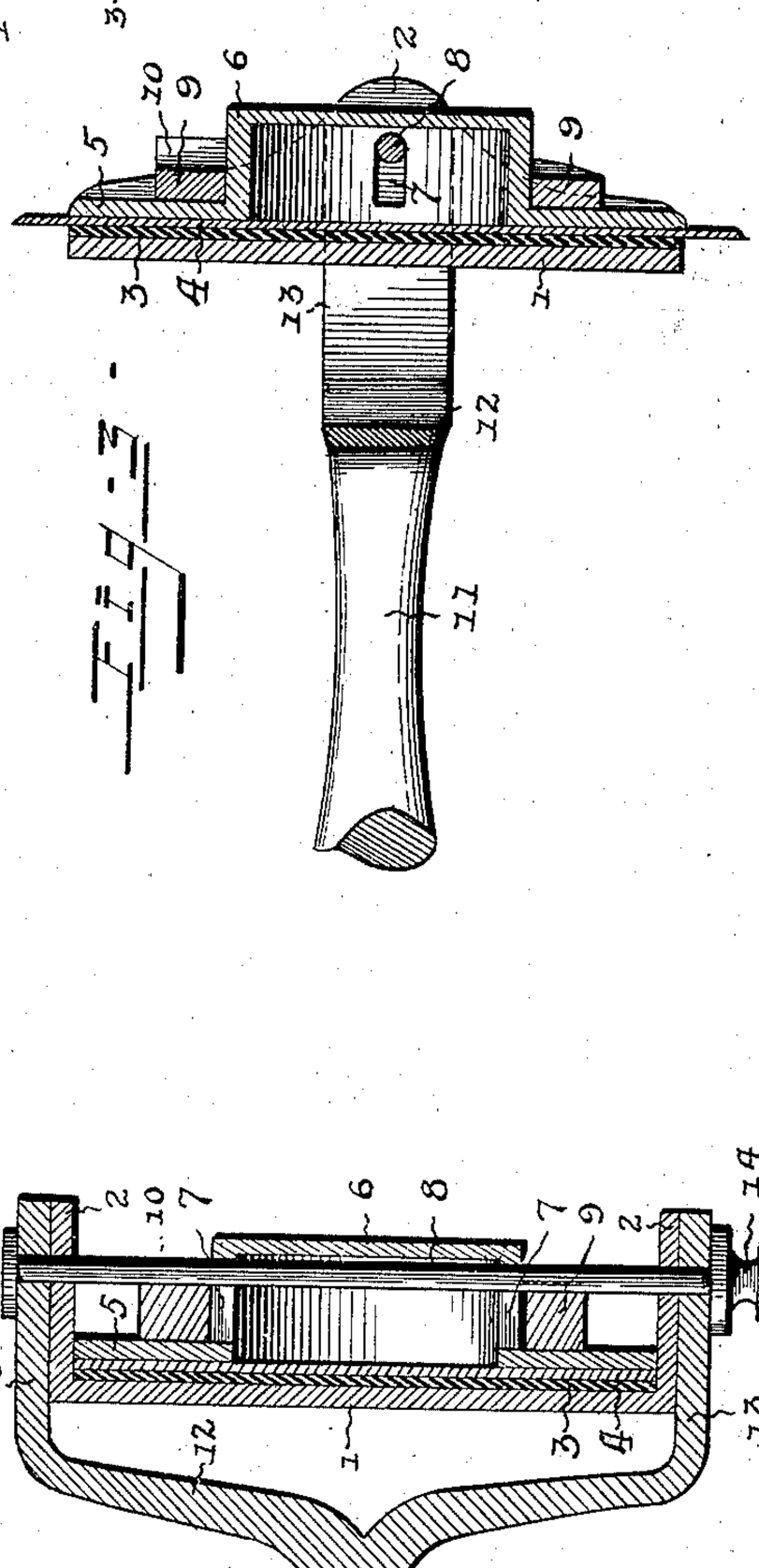

FIG. 3.



FIG. 2.

Witnesses:-
C. J. Young.
V. B. Hillyard.

John H. Sayler Inventor:-
By his Attorneys,
Cashow & Co.

# UNITED STATES PATENT OFFICE.

JOHN H. SAYLER, OF LAFAYETTE, INDIANA.

## WOOD-SCRAPER.

SPECIFICATION forming part of Letters Patent No. 612,677, dated October 18, 1898.

Application filed February 26, 1898. Serial No. 671,787. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN H. SAYLER, a citizen of the United States, residing at Lafayette, in the county of Tippecanoe and State of Indiana, have invented a new and useful Wood-Scraper, of which the following is a specification.

This invention provides a hand tool or implement for the use of woodworkers when finishing cabinet or other work requiring scraping as a part of the finishing process, said tool being adjustable to different angles with reference to the handle and admitting of the blade or bit being shifted, so as to present a proper scraping edge, and the head carrying said bit being of such construction as to admit of either end of the bit being used without requiring the reversing of the head for the purpose. Combined with the tool is a steel to admit of the bit being sharpened when required.

The improvement relates more particularly to the general construction of the tool and the special means resorted to for securing the bit in an adjusted position and which will be outlined in the subjoined claims.

For a full understanding of the merits and advantages of the invention reference is to be had to the accompanying drawings and the following description.

The improvement is susceptible of various changes in the form, proportion, and the minor details of construction without departing from the principle or sacrificing any of the advantages thereof, and to a full disclosure of the invention an adaptation thereof is shown in the accompanying drawings, in which—

Figure 1 is a perspective view of the scraper. Fig. 2 is a transverse section of the adjustable head portion, showing the relation of the cheek-pieces of the handle. Fig. 3 is a longitudinal section. Fig. 4 is a detail view in perspective of the locking-ring having cam portions.

Corresponding and like parts are referred to in the following description and indicated in the views of the drawings by the same reference characters.

The head consists of a plate 1, having side pieces 2, which are parallel and taper similarly toward their ends from an intermediate point. The inner side of the plate 1 is covered with sheet rubber 3 or like material secured thereto and which is intended to prevent any slipping of the blade 4 when the latter is gripped between the plate 1 and clamp-plate 5. Both ends of the head are similarly formed, thereby enabling either edge of the blade or bit 4 being used without requiring its reversal.

The clamp-plate 5 is of a size to fit snugly between the side pieces 2, and is of a length equal to the plate 1, and is provided centrally with a circular boss or raised portion 6, having a slot 7 extending diametrically therethrough and through which passes a bolt or pin 8, said slot 7 being of a depth to admit of the clamp-plate moving upon the bolt or pin 8 toward and from the plate 1, so as to release or secure the bit 4 and adapt the space between the two plates to the thickness of bit placed between them. The side pieces 2 have openings midway of their ends in transverse alinement and in coincident relation with the slot 7 and receive the end portions of the bolt or pin 8.

The locking-ring 9 is loosely fitted upon the circular boss or raised portion 6 and is formed with oppositely-disposed cam portions 10, which come between the end portions of the bolt 8 and the clamp-plate 5 and secure the latter by a wedging action, the binding or the loosening of the bit being effected by turning the locking-ring in one or the other direction.

The handle 11 has one end spread, forming arms 12, which terminate in cheek-pieces 13, the latter extending in parallel relation and embracing the sides of the head portion and clamped thereto by the bolt 8, which passes through openings in the said cheek-pieces. Upon loosening the clamp-nut 14 of the bolt 8 the head carrying the bit is released and can be turned to any required angle and is made fast by retightening the said bolt. The opposite end of the handle is cleft or formed with a kerf 15, in which is fitted a steel or sharpener 16, for use when it is required to sharpen the edges of the bit 4. This sharpener is mounted upon a screw or pin 17, upon which it is adapted to turn, so as to be folded into the kerf of the handle 11 or turned outward into position for use.

Having thus described the invention, what

is claimed, and desired to be secured by Letters Patent, is—

1. In combination, a handle a plate carried by the same and having side pieces, a clamp-plate placed against the first-mentioned plate and having a raised portion on its outer side, a bolt or pin mounted in the side pieces of the first-mentioned plate, a locking-ring placed upon the raised portion of the clamp-plate and having oppositely-disposed cam portions coming between the clamp-plate and the end portions of the pin or bolt and serving to secure the clamp-plate by a wedging action, and a blade or bit held between the plates and adapted to project from opposite sides of the device substantially as and for the purpose set forth.

2. In combination, a handle a plate carried by the same and having side pieces, a clamp-plate coming between the side pieces and having a circular boss provided with a diametrical slot, a blade or bit held between the plates and adapted to project from opposite sides of the device a pin or bolt passing through the slot of the circular boss and secured at its ends in the aforesaid side pieces, and a locking-ring mounted upon the circular boss and having oppositely-disposed cam portions coming between the clamping-plate and the end portions of the pin or bolt, substantially as and for the purpose specified.

3. In combination, a handle having an end portion spread and terminating in parallel cheek-pieces, a plate having side pieces adapted to be fitted between the cheek-pieces of the handle, a clamp-plate placed between the said side pieces and having a circular boss formed with a diametrical slot, a bolt passing through the said slot, and registering openings in the aforesaid cheek and side pieces and serving to secure the first-mentioned plate in any angular adjustment with reference to the handle, and a locking-ring mounted upon the circular boss and having oppositely-disposed cam portions coming between the clamp-plate and the end portions of the bolt, substantially as and for the purposes set forth.

4. The herein-described scraper, comprising a handle having one end cleft and its opposite end spread and terminating in parallel cheek-pieces, a sharpener fitted into the cleft of the handle, a plate having side pieces and having its inner face clothed with rubber or like material, a clamp-plate having a circular boss provided with a diametrical slot, a bit secured between the two plates, a bolt passing through the slot of the circular boss and through registering openings in the said side and cheek pieces and serving to secure the head portion of the tool in any angular adjustment, and a locking-ring mounted upon the circular boss and having oppositely-disposed cam portions coming between the clamp-plate and end portions of the bolt, substantially as and for the purpose described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

JOHN H. SAYLER.

Witnesses:
JAMES L. CALDWELL,
NOAH JUSTICE.