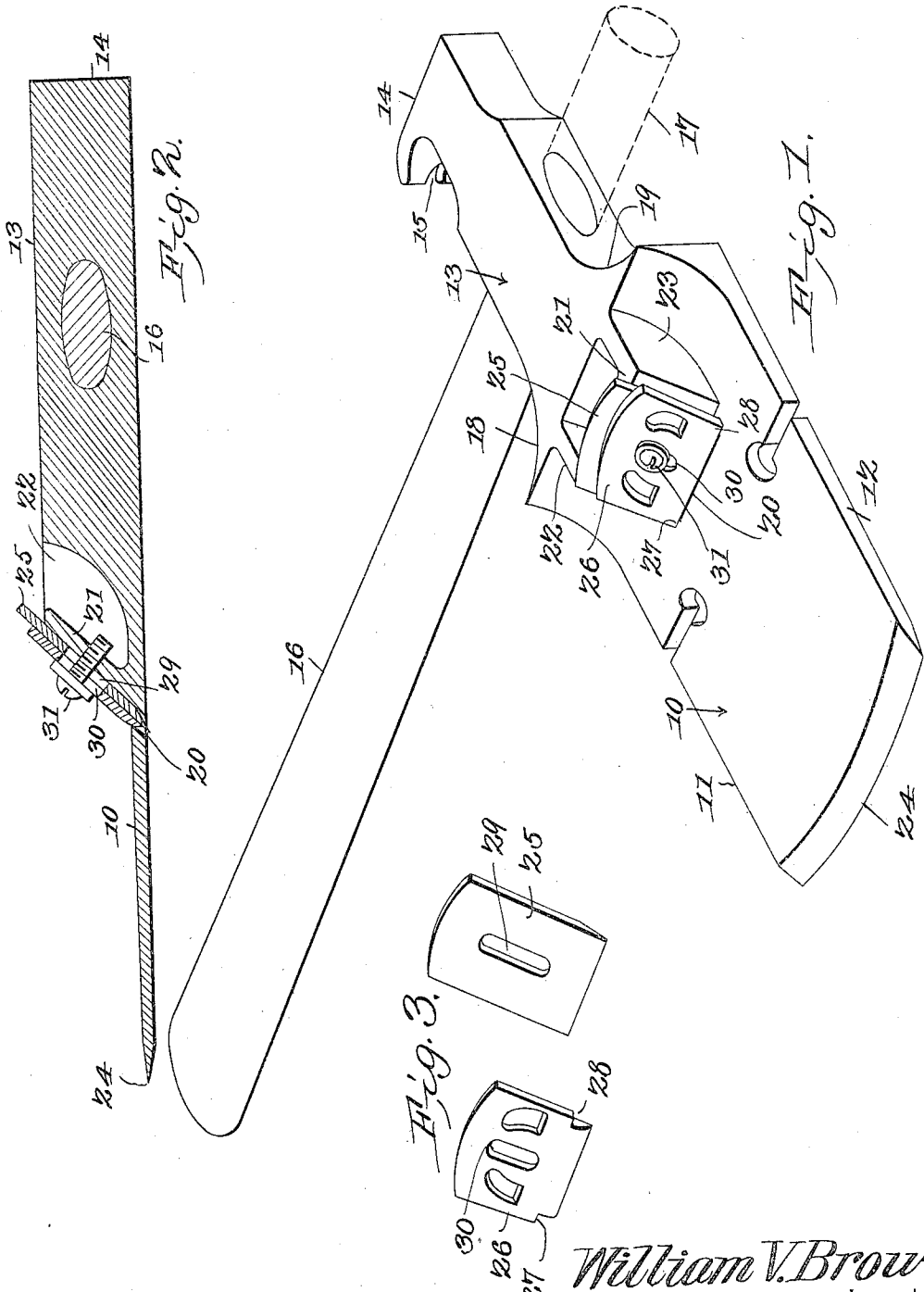


No. 812,403.

PATENTED FEB. 13, 1906.

W. V. BROWN.
SHINGLING HATCHET.
APPLICATION FILED OCT. 5, 1905.



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM V. BROWN, OF BERWICK, CANADA.

SHINGLING-HATCHET.

No. 812,403.

Specification of Letters Patent.

Patented Feb. 13, 1906.

Application filed October 5, 1905. Serial No. 281,492.

To all whom it may concern:

Be it known that I, WILLIAM V. BROWN, a citizen of the United States, residing at Berwick, in the county of Kings and Province of Nova Scotia, Canada, have invented a new and useful Shingling-Hatchet, of which the following is a specification.

This invention relates to hatchets employed in applying shingles and similar coverings to roofs and walls, and has for its object to produce a simply-constructed device whereby the shingles may be trimmed or jointed and the nails driven or withdrawn by the same implement.

With these and other objects in view, which will appear as the nature of the invention is better understood, the invention consists in certain novel features of construction, as hereinafter fully described and claimed.

In the accompanying drawings, forming a part of this specification, and in which corresponding parts are denoted by like designating characters, is illustrated the preferred form of the embodiment of the invention capable of carrying the same into practical operation.

In the drawings, Figure 1 is a perspective view of the improved implement. Fig. 2 is a longitudinal sectional view of the same. Fig. 3 represents perspective views of the plane-bit and chip-breaker detached.

The improved implement comprises a hatchet formed with a relatively broad flat blade 10, having the side edges 11 12 parallel and with "head" portion 13 contracted and thicker than the blade portion and with the hammer-face 14 and claw 15. The handle 16 extends through the head portion 13 and is reversible therein, as indicated by the dotted lines 17, to adapt the implement for right or left handed persons. One side face of the head portion 13 and one side face of the blade 10 are in longitudinal alinement, thus forming a continuous surface throughout the whole length of the implement at one side, as illustrated more fully in Fig. 2. At the juncture of the head portion 13 and blade 10 the material of the implement is curved, as at 18 19, to form finger-grips for the operator, as hereinafter explained.

Formed transversely through the blade 10 is an elongated aperture 20, and extending from the blade 10 at an incline and in alinement with the rear face of the aperture is a

web 21, connected at the ends by shorter webs 22 23 to the head portion 13, the blade, head, and webs being all in one piece, preferably of steel, with the hammer-face 14 and cutting edge 24 of the blade suitably tempered. Bearing upon the web 21 and projecting through the aperture 20 is a plane-bit 25, and bearing upon the plane-bit and extending into the aperture by its lower edge is a chip-breaker 26, the chip-breaker having recesses at the lower end, forming shoulders 27 28 for bearing upon the body of the blade 10 at the ends of the aperture 20 to limit the movement of the chip-breaker in one direction. The plane-bit 25 and chip-breaker 26 are provided, respectively, with longitudinally-extending slots 29 30, and operating through these slots and tapped into the web 21 is a clamp-screw 31, the bit and chip-breaker being adjustably supported in position.

By this simple means a very effective implement is produced, whereby all the various steps required in applying shingles and similar covering or material may be performed.

As is well known, in attaching shingles to roofs and side walls it is frequently necessary to trim or joint the edges to cause them to fit closely, especially when applying shingles as a finish to the side walls of buildings, and the general practice is to accomplish this work with a plane or similar implement. The design of the present implement is to provide means whereby this trimming or jointing may be quickly accomplished with the same implement with which the nails are driven and the first rough steps of the jointing accomplished. Thus the hatchet edge 24 will be employed to remove surplus material from the edges of the shingle when a considerable quantity is to be removed, the joint then finished with the plane-bit 25, and the nails then driven by the hammer-face portion 14. Thus all the steps necessary to be taken in applying the shingles can be performed with the same implement and in a rapid and complete manner and without removing the implement from the hand. The relatively long flat surface upon one side of the implement renders the plane action complete and without increase of weight or expense of construction.

The shoulders 18 19 between the head portion 13 and the blade 10, whereby a convenient hand-grip is produced, is also an impor-

tant feature of the invention and materially increases the efficiency and utility of the device.

Having thus described the invention, what is claimed is—

5 1. A hatchet constructed with one side face of the head portion and one side face of the blade portion in longitudinal alinement and with a transverse aperture intermediate
10 the blade and the head portion, an inclined supporting-web extending from said aperture, a plane-bit bearing upon said web and extending through said aperture, a chip-breaker bearing upon said plane-bit and pro-
15 truding into said aperture, and means for adjustably clamping said chip - breaker and plane-bit to said web.

2. A hatchet constructed with one side
20 face of the head portion and one side face of the blade portion in longitudinal alinement and with a transverse aperture intermediate the blade and the head portion, an inclined supporting-web extending from said aper-
25 ture, a plane-bit bearing upon said web, and extending through said aperture, a chip-breaker bearing upon said plane-bit and protruding into said aperture and formed with

laterally-extending shoulders bearing upon the hatchet-blade at the ends of the aperture.

3. A hatchet constructed with a relatively
30 broad thin blade with parallel side edges and a contracted head portion whereby finger-grips are formed at the juncture of the head portion and blade, the head portion carrying
35 a hammer-face and through which the handle is inserted and with one face of the head portion and one face of the blade in longitudinal alinement an aperture disposed transversely through the blade and an inclined web ex-
40 tending from said aperture at one side and merging into the head portion, a plane-bit bearing against said web and extending through said aperture, a chip-breaker bear-
45 ing upon said plane-bit and protruding into said aperture, and means for adjustably clamping said plane-bit and chip - breaker upon said web.

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

WILLIAM V. BROWN.

Witnesses:

WILLIAM HIBBERT,
ALFRED McNEILL.