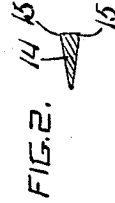
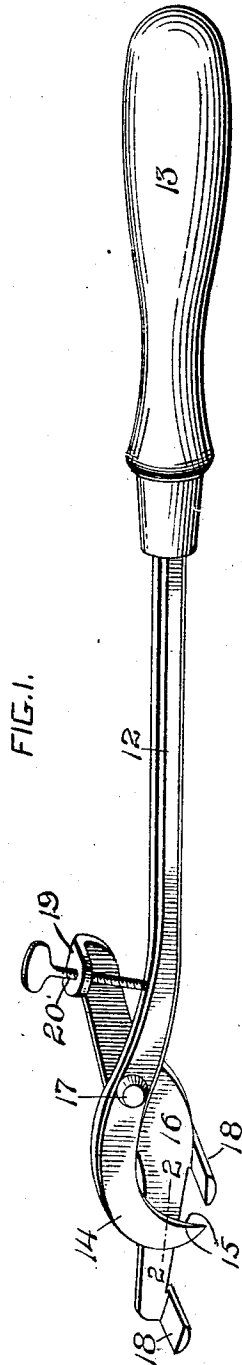


E. P. DANN.
GROOVING TOOL.
APPLICATION FILED NOV. 11, 1909.

968,745.

Patented Aug. 30, 1910.



WITNESSES:

H. F. Roy & Co.
L. M. Sweeney

INVENTOR:
E. P. Dann
BY *Robert Robert*
Attorneys.

UNITED STATES PATENT OFFICE.

ELONZO P. DANN, OF KISSIMMEE, FLORIDA.

GROOVING-TOOL.

968,745.

Specification of Letters Patent. Patented Aug. 30, 1910.

Application filed November 11, 1909. Serial No. 527,530.

To all whom it may concern:

Be it known that I, ELONZO P. DANN, a citizen of the United States, residing at Kissimmee, in the county of Osceola and State of Florida, have invented or discovered certain new and useful Improvements in Grooving-Tools, of which the following is a specification, reference being had therein to the accompanying drawings.

In calking the seams of wooden boats it is desirable to have the grooves at the joints, and into which the oakum or other calking material is packed, tapering or V-shaped in cross section; so that the calking material may be tightly wedged therein; and it is desirable that such grooves should be of uniform depth, so as to provide for uniform calked seams between the boards or planks.

This invention has for its object to provide a grooving tool, of convenient form, and which is provided with an adjustable gage by which the depths of the calking grooves to be cut thereby may be regulated, as may be desired.

To this end the improved grooving tool, in its preferred form, comprises a hook-shaped and tapering pointed cutting portion having cutting edges at its inner or front side, said cutting portion or cutter being provided with a suitable shank having a handle, so that the tool may be drawn toward the user in effecting the grooving.

In the use of the grooving tool, the point of the hooked cutter is inserted in the seam or joint, which serves to guide the tool in its longitudinal movements.

Attached to the grooving tool is a suitable gage which may be adjusted to regulate the depth of the groove to be cut, such gage consisting preferably of a member pivotally attached to the tool and having two bearing portions arranged on opposite sides of the hooked cutter, said pivoted member being provided with an adjusting screw by which the extent of the projection of the hooked cutter beyond or below the bearing portions of the gage may be regulated.

In the accompanying drawing Figure 1 is a perspective view of the improved grooving tool, and Fig. 2 is a detail section through the cutting portion thereof on line 2-2, Fig. 1.

Referring to the drawings, 12 denotes the shank of the tool which is provided with a suitable handle 13, the said tool having a hook-shaped forward end 14 which is ta-

pered to a point forming a wedge-shaped cutting portion having cutting edges at 15. The improved cutting tool is provided with a suitable gage to regulate the depth of the V-shaped groove to be formed thereby, such regulating gage, in the preferred form of the invention herein shown, comprising the member 16 pivotally attached to the body of the tool by the rivet 17, said member having the offset or laterally extending bearing portions or feet 18 which are to rest on the surface of the work, and which are arranged on opposite sides of the pointed groove-cutter.

The bearing portions or feet 18 are preferably rounded on their lower faces so that they will slide easily over the surface of the work. The upper end of the pivoted member 16 is provided with an offset portion 19 which overhangs the body portion of the tool, and which is tapped for the reception of a regulating screw 20 the lower end of which abuts against the upper surface of the tool, and in which position said regulating screw will be held by the pressure of the bearing portions or feet 18 on the work.

In the operation of the improved grooving tool the point thereof will be inserted in the crack or seam to be grooved, and a V-shaped groove will be formed in such crack or seam by drawing the tool along therein with a suitable pressure on the handle or shank of the tool, and the depth of such V-shaped groove will be determined by the position of adjustment of the regulating gage, as the grooving tool cannot cut any deeper than the extent of this projection below the plane of the bottoms of the bearing portions or feet 18 of the regulating gage.

The invention is not to be understood as being limited to the particular details of construction herein shown, as it is obvious that the form or mode of attachment of the regulating gage and the form of the cutting portion of the tool may be varied somewhat without departing from the spirit of the invention.

Having thus described my invention I claim and desire to secure by Letters Patent:

1. A grooving tool comprising a shank provided with a handle and with a curved V-shaped cutting device on said shank and having a cutting face on the side thereof toward said handle, said cutting device being thus adapted to be entered and be drawn along in a crack or seam, combined with

a suitable gage attached to said shank and serving to regulate the depth of the V-shaped groove to be formed by said cutting device.

5 2. A grooving tool comprising a shank provided with a suitable handle and a hook-shaped tapering and pointed cutting device at the forward end of said shank with a cutting face toward said handle, combined
10 with a gage having a pivoted connection with said shank and provided with an adjusting screw impinging against said shank and serving to regulate the depth of the V-shaped groove to be formed by said cutting
15 device.

3. A grooving tool comprising a shank 12 provided with a handle 13, and with a

hook-shaped pointed cutting portion 14, combined with a gage member 16 pivotally attached to the body of said tool, said gage 20 member having laterally projecting bearing portions or feet 18, arranged on opposite sides of said hook-shaped pointed cutting portion 14, and said gage member being provided with an overhanging portion having a 25 threaded hole, and a regulating screw tapped in said hole and adapted to abut against the top of the body of the tool.

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

ELONZO P. DANN.

Witnesses:

J. D. KLINGE,
FRED A. KLINGE.