No. 748,790. PATENTED JAN. 5, 1904.

A. O. REPPETO.

SWAGE GAGE FOR SAWS.

APPLICATION FILED NOV. 10, 1902.

NO MODEL.

Fig. 1.

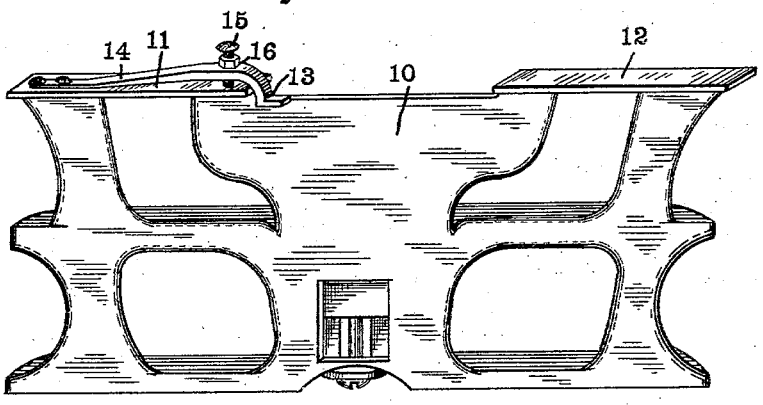


Fig. 2.

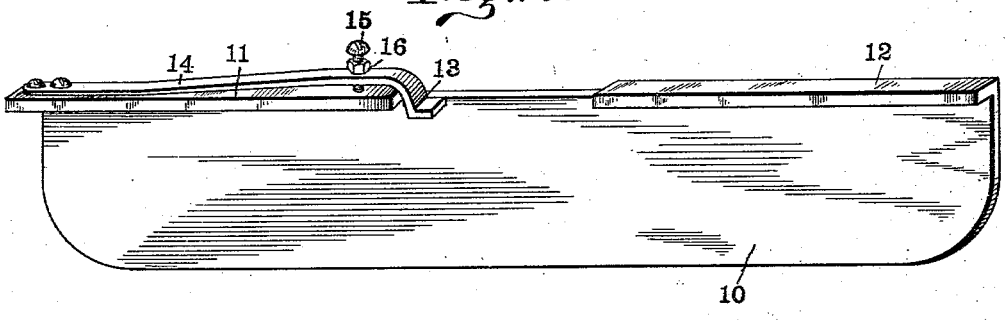
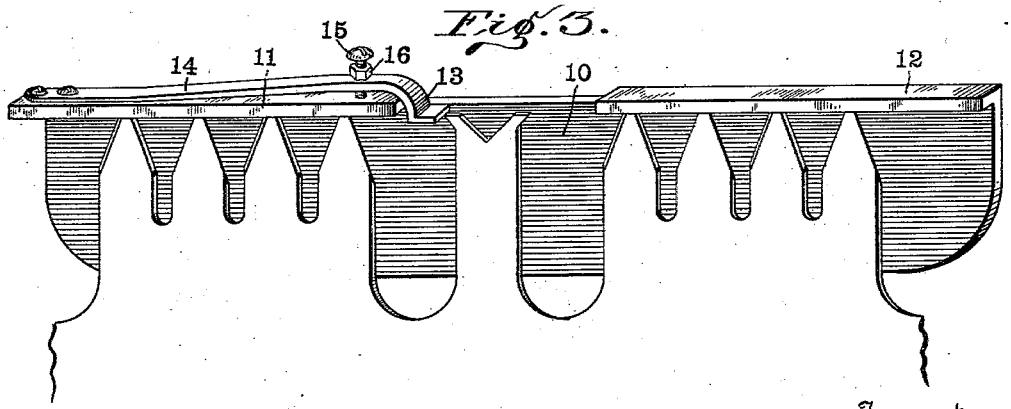


Fig. 3.



Witnesses
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No. 748,790. Patented January 5, 1904.

UNITED STATES PATENT OFFICE.

AUGUSTUS O. REPPETO, OF BLACHLY, OREGON, ASSIGNOR TO E. C. ATKINS & COMPANY, OF INDIANAPOLIS, INDIANA, A CORPORATION OF INDIANA.

SWAGE-GAGE FOR SAWS.

SPECIFICATION forming part of Letters Patent No. 748,790, dated January 5, 1904.

Application filed November 10, 1902. Serial No. 130,725. (No model.)

To all whom it may concern:

Be it known that I, AUGUSTUS O. REPPETO, a citizen of the United States, residing at Blachly, in the county of Lane and State of Oregon, have invented certain new and useful Improvements in Swage-Gages for Saws, of which the following is a specification.

In the use of saws, especially crosscut-saws, especially on woods made up of hard and soft growth rings, it is necessary for the clearer or raker teeth to be swaged, so as to be provided with cutting-points which lie considerably lower than the points of the cutting-teeth. Gages to assist in the accurate production of the swaged ends of such teeth have been produced heretofore; but, so far as I am aware, such gages have been of such nature that the swaged portion of the tooth which is being gaged cannot be seen readily from the usual point of operation.

The object of my invention is therefore to provide an efficient and easily-adjusted instrument which may serve as a gage to determine the position of swage of such teeth, the construction being such that the position of the gage with relation to the gaged tooth will be readily observable by the operator from the ordinary position of operation.

The accompanying drawings illustrate my invention.

Figure 1 is a perspective view of my device when forming part of an ordinary and commercial form of saw-jointer. Fig. 2 is a similar view of my device constructed as an independent tool. Fig. 3 shows my gage in operating position on a section of a saw.

In the drawings, 10 indicates a main body or plate the upper edge of which is provided with a pair of overhanging flanges 11 and 12, the adjacent ends of which are separated a considerable distance. Projecting into the space between the adjacent ends of the flanges 11 and 12 is a gage-finger 13, which preferably lies close to one end of one of the flanges, so as to leave a considerable opening between it and the other flange, thus permitting an unobstructed view of the tooth which is being gaged. Finger 13 may be carried by any suitable means, preferably being constructed integral with a spring 14, the opposite end of which is secured by any suitable means to the flange 11. Any suitable means may be provided to regulate the distance of projection of the lower end of finger 13 below the saw-face of flanges 11 and 12—as, for instance, by means of an adjusting-screw 15—threaded through spring, a suitable check-nut 16 being provided to hold the finger in adjusted position.

In operation screw 15 is adjusted until the lower end or tip of finger 13 lies that distance below the saw-face of flanges 11 and 12 to which the tips of the raker-teeth 17 are to be swaged. Presuming that the saw has been previously jointed in any well-known manner, the operator swages the tips of the raker-teeth by means of any desired form of swage, and by placing my improved tool with the saw-face of the flanges 11 and 12 resting upon the cutting-teeth of the saw and bringing the tip of the finger 13 opposite the swaged tips determine without changing position whether said tips have been forced down to the proper amount. It will be noticed that with the tool in the position shown in Fig. 3 the operator may readily determine whether the swaged portions of the raker-teeth have been depressed enough without bringing his eyes beneath the tip of the gage-finger, the distance between the adjacent ends of the flanges 11 and 12 leaving a perfectly unobstructed view.

I claim as my invention—

1. A swage-gage consisting of a main body, a pair of considerably-separated flanges carried thereby and adapted to rest upon the periphery of the saw, a spring gage-finger projecting into the space between said flanges, and means for adjusting said finger transversely with relation to the saw-face of said flanges.

2. A swage-gage consisting of a main body, a pair of separate flanges carried by said main body, a spring-finger carried by one of said flanges and projecting into the space between said flanges at some distance from the adjacent end of the other flange, and means for adjusting said finger, for the purpose set forth.

3. A swage-gage consisting of a main body, a pair of separate flanges carried by said body, a gage-finger projected into the space between said flanges, and means for adjusting said finger transversely through said space, for the purpose set forth.

In witness whereof I have hereunto set my hand and seal, at Indianapolis, Indiana, this 25th day of October, A. D. 1902.

AUGUSTUS O. REPPETO. [L. S.]

Witnesses:
ARTHUR M. HOOD,
JAMES A. WALSH.