

No. 648,511.

Patented May 1, 1900.

J. G. LYONS.
ATTACHMENT FOR HANDSAWS.

(Application filed Aug. 29, 1899.)

(No Model.)

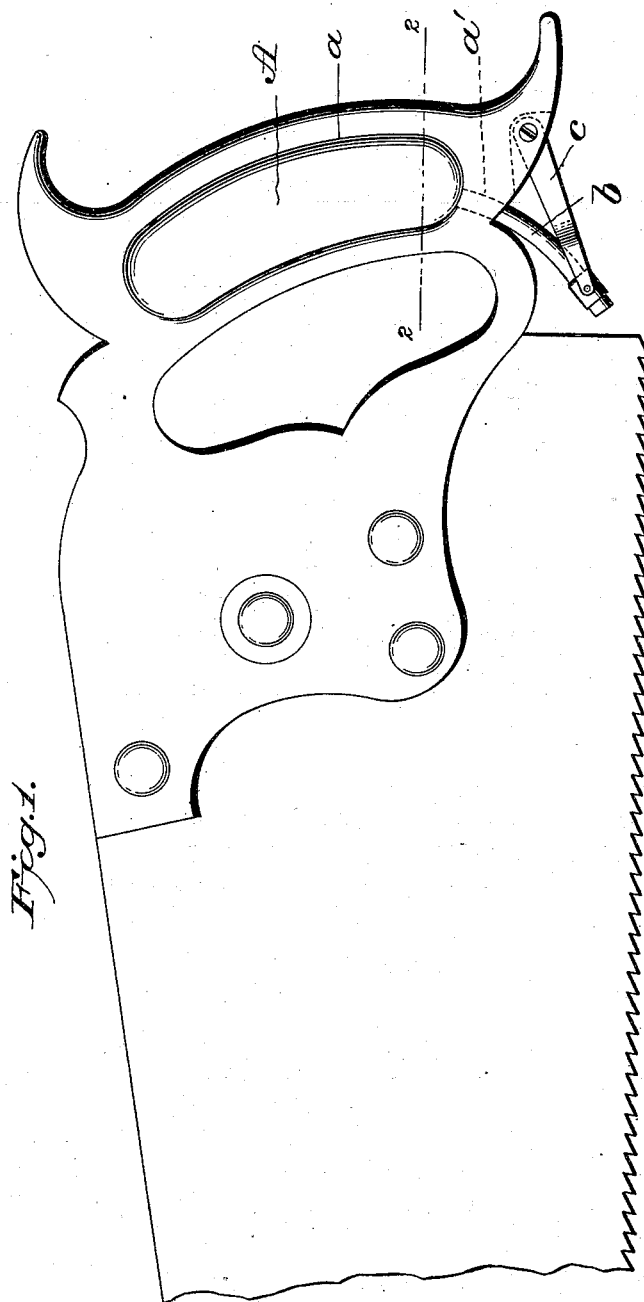


Fig. 1.

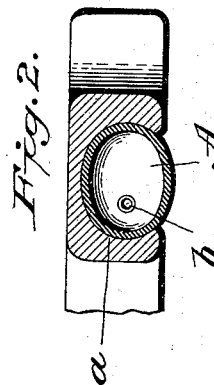


Fig. 2.



Fig. 3.

Witnesses
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UNITED STATES PATENT OFFICE.

JOHN G. LYONS, OF COSMOPOLIS, WASHINGTON.

ATTACHMENT FOR HANDSAWS.

SPECIFICATION forming part of Letters Patent No. 648,511, dated May 1, 1900.

Application filed August 29, 1899. Serial No. 728,901. (No model.)

To all whom it may concern:

Be it known that I, JOHN G. LYONS, a citizen of the United States, residing at Cosmopolis, in the county of Chehalis and State of Washington, have invented new and useful Improvements in Attachments for Handsaws, of which the following is a specification.

This invention relates to certain new and useful improvements in attachments for handsaws, the object of my invention being to provide the handle of a handsaw with means for blowing the sawdust away from the board or other object being sawed to remove the sawdust from a line or mark thereon.

15 The invention consists in the combination, with a saw-handle, of an elastic bulb carried thereby, a tube which extends from the bulb toward the saw-teeth, and means connected to the tube and saw-handle for directing the 20 blast of air as desired.

In the accompanying drawings, which illustrate my invention, Figure 1 is a side elevation of a saw, showing my improvements applied thereto. Fig. 2 is a sectional view on 25 the line 2 2 of Fig. 1, and Fig. 3 is a detail view showing manner of attaching the end of the tube to its guide.

The saw and handle in general outline are constructed in the usual manner, the portion 30 of the handle which is grasped by the operator having therein a recess *a*, with concave ends, which is adapted to receive and retain a bulb *A*, of elastic material, which is shaped so as to lie within the recess and be retained therein. Through the lower portion of the 35 handle is an opening *a'*, and to the bulb is connected a tube *b*, which passes through the opening *a'*, one end being attached to the bulb, while the other end extends toward the 40 heel of the saw.

Within a recess made in the saw-handle, near the lower horn thereof, is pivotally attached by a friction-screw an arm *c*, to which the tube *b* is suitably connected. This arm 45 may carry a sleeve, into which the end of the tube *b* is passed, as shown in Fig. 3.

The recess which receives the bulb may be made in either side of the handle, according to whether the person using the saw is right

or left handed, and in operation the saw is 50 grasped in the usual manner, and when it is desired to blow away sawdust which collects upon the article which is being sawed the operator, while sawing, need only press the 55 ends of his fingers upon the bulb, which will force a current of air out of the tube upon the article being sawed. By locating the blast mechanism in the handle the current of air is directed toward the teeth of the saw in 60 rear of the heel of the saw, so that the sawdust is blown away from each side of the blade.

I claim—

1. A handsaw, the handle thereof being provided on one side of its grasping portion 65 with a recess, a bulb positioned and retained within said recess and a tube extending from the bulb toward the saw-blade, for the purpose set forth.

2. In combination with a saw-handle having a recess therein of a bulb located within 70 said recess, a tube connected with the bulb and an arm pivotally attached to the saw-handle and connected to the tube, substantially as shown. 75

3. As an improved article of manufacture, a saw-handle the grasping portion thereof having therein a recess with concave side walls and an opening from the lower wall through 80 the handle, an elastic bulb retained within the recess, a tube which extends from the bulb through the handle, substantially as shown.

4. In combination with a saw-handle having in its grasping portion a recess with concave sides, of a bulb retained within the recess 85 by its inherent elasticity, a tube which extends from the bulb and projects through the saw-handle, an arm adjustably attached to the saw-handle at one end and connected to the tube at its other end, substantially as 90 shown.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JOHN G. LYONS.

Witnesses:

STANLEY W. SMITH,
W. C. BIRDWELL.