

(No Model.)

E. C. ATKINS.
SAW HANDLE.

No. 597,351.

Patented Jan. 11, 1898.

Fig. 1.

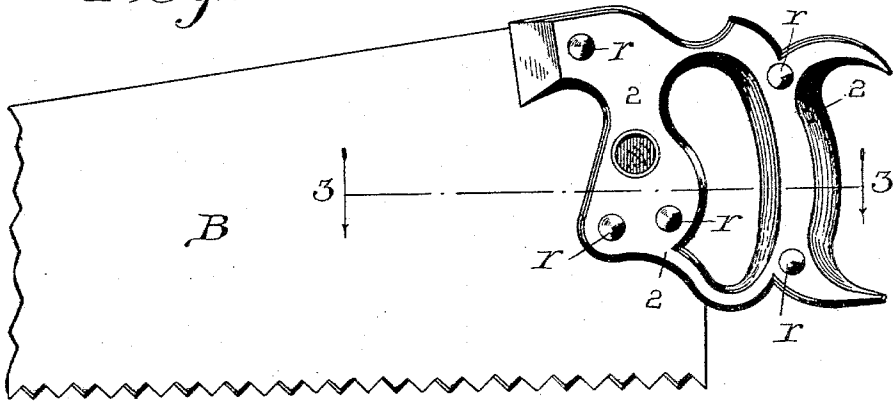


Fig. 2.

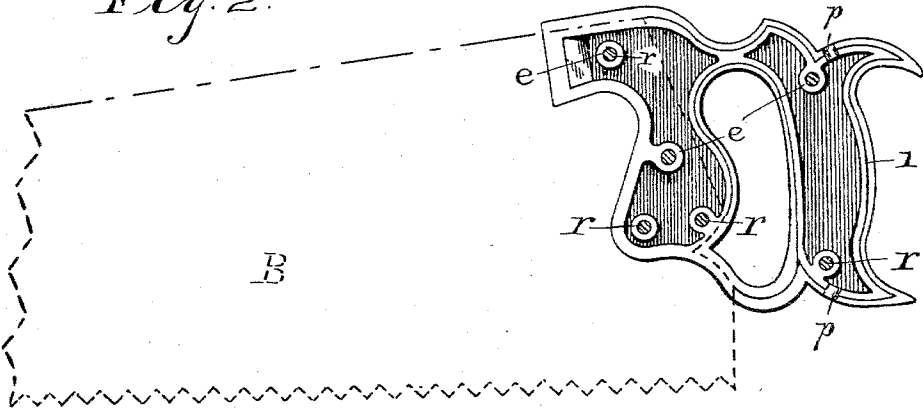
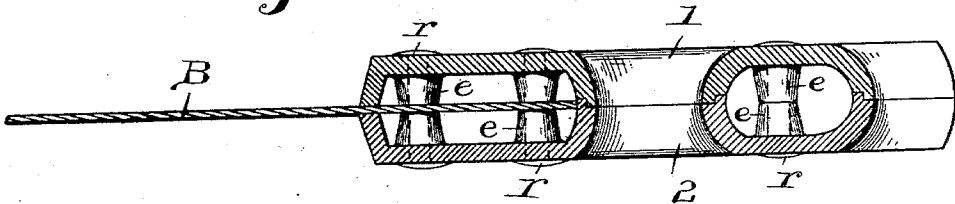


Fig. 3.



WITNESSES:

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INVENTOR,

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BY

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UNITED STATES PATENT OFFICE.

ELIAS C. ATKINS, OF INDIANAPOLIS, INDIANA, ASSIGNOR TO THE E. C. ATKINS & COMPANY, OF SAME PLACE.

SAW-HANDLE.

SPECIFICATION forming part of Letters Patent No. 597,351, dated January 11, 1898.

Application filed July 2, 1897. Serial No. 643,275. (No model.)

To all whom it may concern:

Be it known that I, ELIAS C. ATKINS, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Saw-Handles, of which the following is a specification.

The object of my invention is to produce a light, strong, smooth, and durable handle for hand and similar saws; and it consists in a handle formed in halves, molded in such form as to be hollow when the halves are assembled, and composed of pulp or fiber of suitable consistency, as will be hereinafter more particularly described and claimed.

Referring to the accompanying drawings, which are made a part hereof and on which similar letters and figures of reference indicate similar parts, Figure 1 is a side elevation of a portion of a handsaw and its handle; Fig. 2, a plan view of one-half of such a handle, showing its interior, the position of the saw in relation thereto being indicated by dotted lines; and Fig. 3, a sectional view through the handle and a fragment of the saw, on an enlarged scale, as seen from the dotted line 3 3 in Fig. 1.

The handle, as best shown in Fig. 3, is composed of two parts 1 and 2, pressed into a form to fit accurately together, with the meeting edges halved to overlap and insure a perfect union. These halves are formed with cavities on the facing sides, leaving the structure comparatively thin, so that when assembled the handle is substantially a shell, the

greater portion of the handle being open or hollow. This makes the handle very light, and suitable perforations being provided, as at *p*, a circulation of air is permitted which assists to keep the handle cool and comfortable to the hand.

The handle is pressed from tough fibrous material, capable of being given great density, so that the surface is enabled to take a very smooth finish, which is obviously desirable.

The handle in use is secured together and to the saw-blade B by rivets *r*. The handle-halves are also provided with projections *e*, which extend into the hollow portions of the handle and which meet and support the strain and pressure of riveting. The perforations for the rivets extend centrally through these projections, so that the strain is equally distributed and borne.

Having thus fully described my said invention, what I claim as new, and desire to secure by Letters Patent, is—

A saw-handle composed of pressed fibrous material and formed of two parts mated and secured together with a hollow interior, said parts being provided with perforations as at *p* to permit a circulation of air through the handle, substantially as set forth.

In witness whereof I have hereunto set my hand and seal, at Indianapolis, Indiana, this 26th day of June, A. D. 1897.

ELIAS C. ATKINS. [L. s.]

Witnesses:

CHESTER BRADFORD,
JAMES A. WALSH.