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Patented Aug. 21, 1900.

M. MULLIN, I. N. WATSON & J. A. HALL.

SCRAPER.

(Application filed Apr. 19, 1900.)

(No Model.)

Fig. 1.

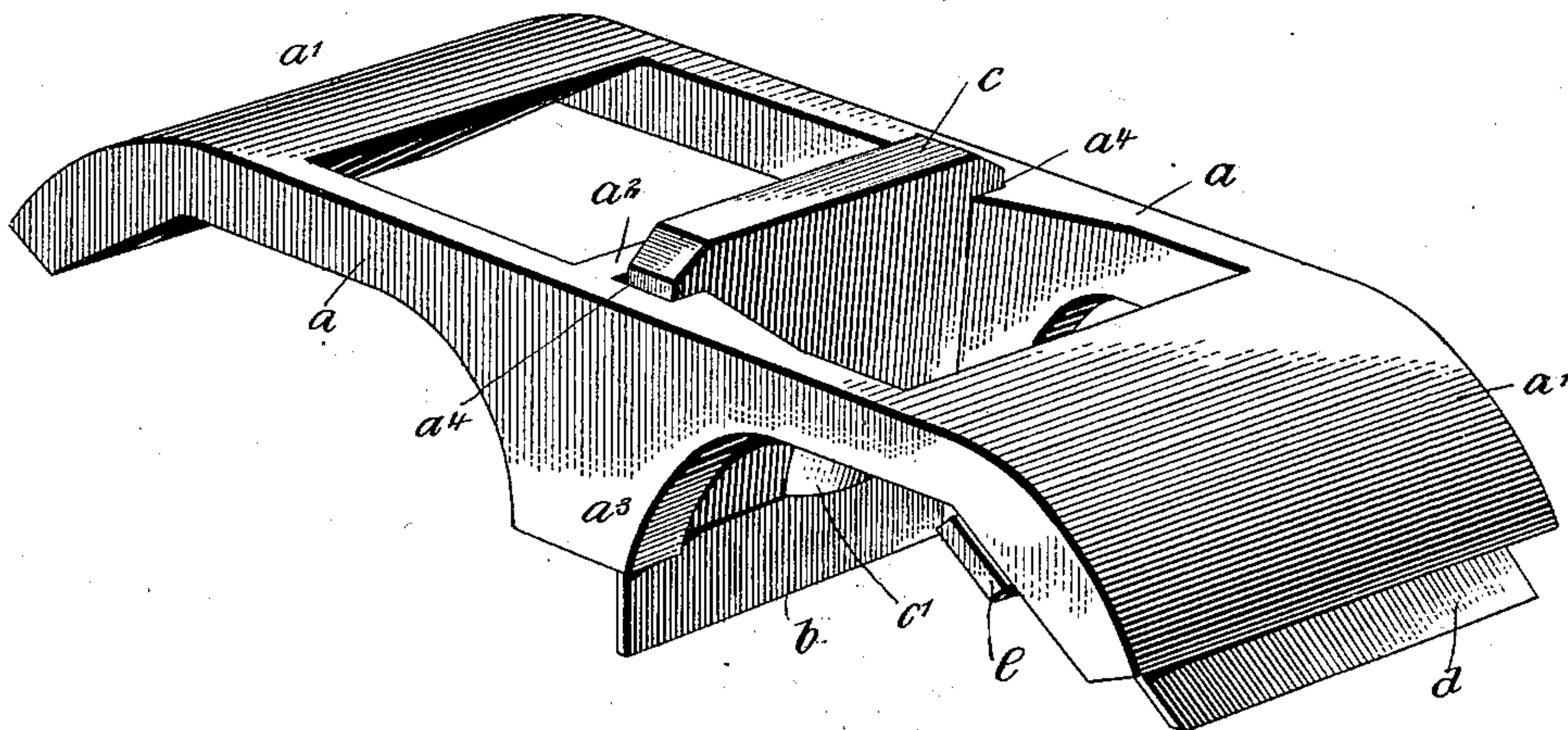


Fig. 2.

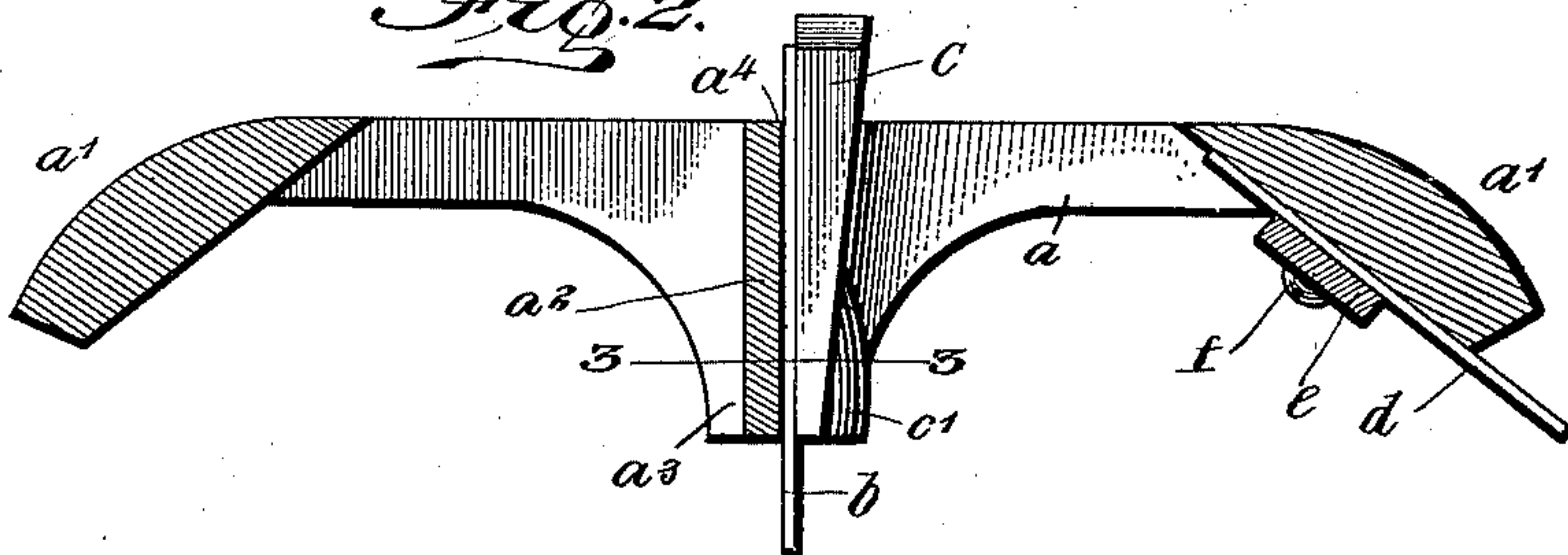
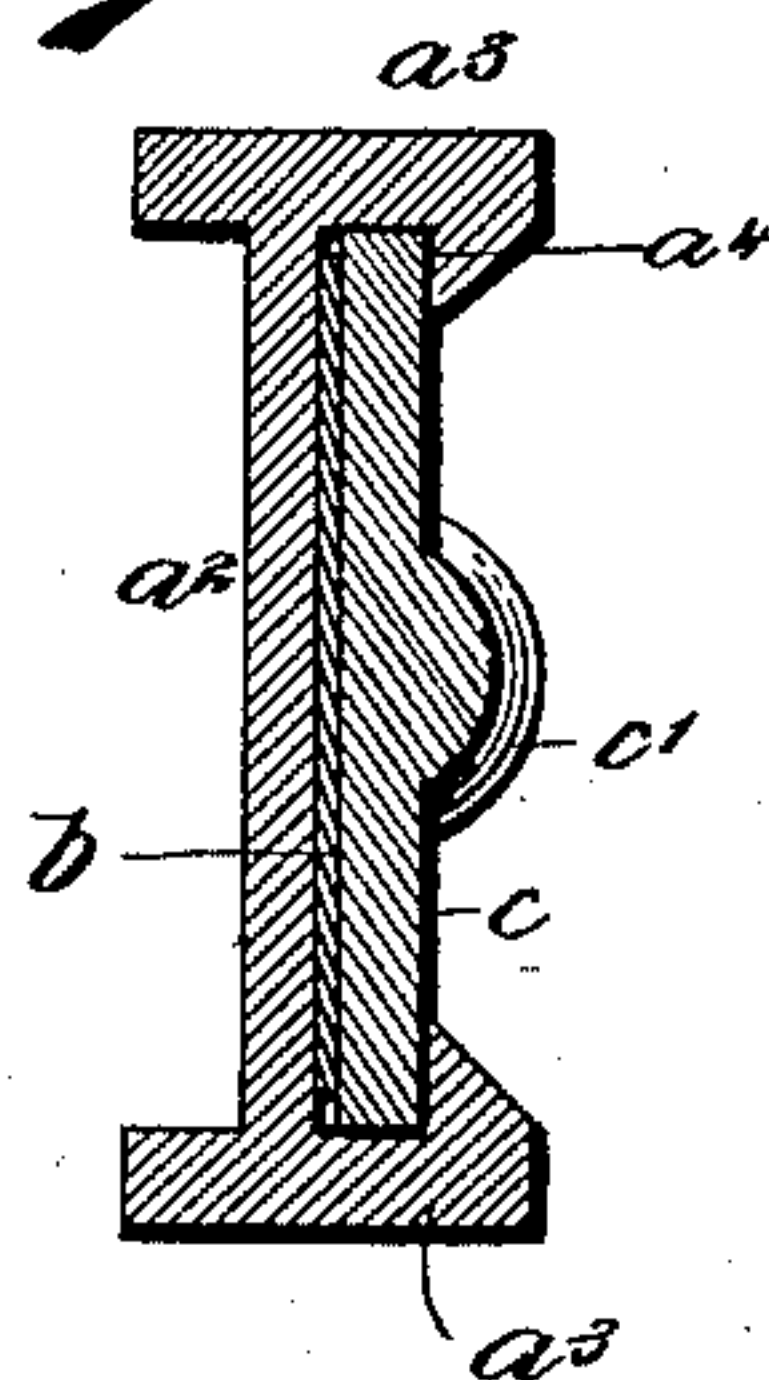


Fig. 3.



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SCRAPER.

SPECIFICATION forming part of Letters Patent No. 656,468, dated August 21, 1900.

Application filed April 19, 1900. Serial No. 13,493. (No model.)

To all whom it may concern:

Be it known that we, MICHAEL MULLIN, ISAAC N. WATSON, and JOHN A. HALL, citizens of the United States, and residents of Columbus, in the county of Franklin and State of Ohio, have invented a new and Improved Scraper, of which the following is a full, clear, and exact description.

The purpose of this invention is to provide a hand-operated scraper which may be used in the various connections occurring in carpentry and painting work without changing its adjustment or involving such complications of parts as render the arrangement impracticable.

This specification is the disclosure of one form of the invention, while the claims define the actual scope thereof.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of the invention. Fig. 2 is a longitudinal section taken near one side, and Fig. 3 is a horizontal section on the line 3 3 of Fig. 2.

The stock or body of the tool is cast integral of brass, aluminium, iron, or other suitable metal. This stock comprises sides a and ends a' , the outer surfaces of which are curved downward and the inner surfaces of which are formed plane and disposed diagonally to the longitudinal line of the stock. The stock also comprises an intermediate plate a^2 , extending between the sides of the stock and disposed vertically, the ends of the cross-plate running into downward extensions a^3 , formed on the respective sides a of the stock.

In the inner faces of the downward extensions a^3 and in the sides a adjacent to such extensions vertical grooves a^4 are formed, such grooves constituting guideways in which are held a scraping-blade b and a key c , the latter of hard wood. The blade b is held flat against the intermediate or cross plate a^2 , and by the key c the blade is wedged firmly

in any desired position. The key c is formed with a projection or knob c' , by which it may be driven out of position. By striking the top of the key it may be driven downward into position.

One of the ends a' of the stock carries the end blade d , which lies against the plane inner face of the said end and is held firmly yet adjustably in place by a cleat e , which is clamped against the under face of the blade by screws f , one of which is shown in Fig. 2, such screws passing through the cleat e and entering the stock.

In using the device the tool may be held with the stock in horizontal position and with the blade b engaged with the work. If desired, the tool may be tilted, so that the end a' opposite the knife d may be engaged with the work to form a gage to the action of the blade b . The blade d will be found especially advantageous in working in corners and other difficult places. When the blade d is used, the other end of the tool, as well as the blade b , is raised out of contact with the work. By properly beveling the blades b and d various kinds of work may be executed. Notably, by a proper bevel of the blade b the scraper may be used as a plane by engaging the end a' opposite the blade d with the work and pushing the tool forward with the blades in front.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

1. A scraper, comprising a stock or body, a blade held thereon intermediate its ends, and a second blade carried at one end of the stock or body, the other end of the stock or body serving as a gage to the action of the first-named or middle blade.

2. A scraper, having a stock or body, a blade secured to the same intermediate its ends, and a second blade carried at one end of the stock or body.

3. A scraper, having a stock which comprises sides and ends and an intermediate or

cross plate adjacent to vertical guides in the sides of the stock, and a blade secured in said vertical guides and lying against the intermediate or cross plate.

- 5 4. A key for holding the blades of scrapers or like devices, the key being wedge-shaped and having a knob on its lower or thin edge, for the purpose specified.

In testimony whereof we have signed our

names to this specification in the presence of two subscribing witnesses.

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Witnesses:

WILLIAM JENNI,
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