

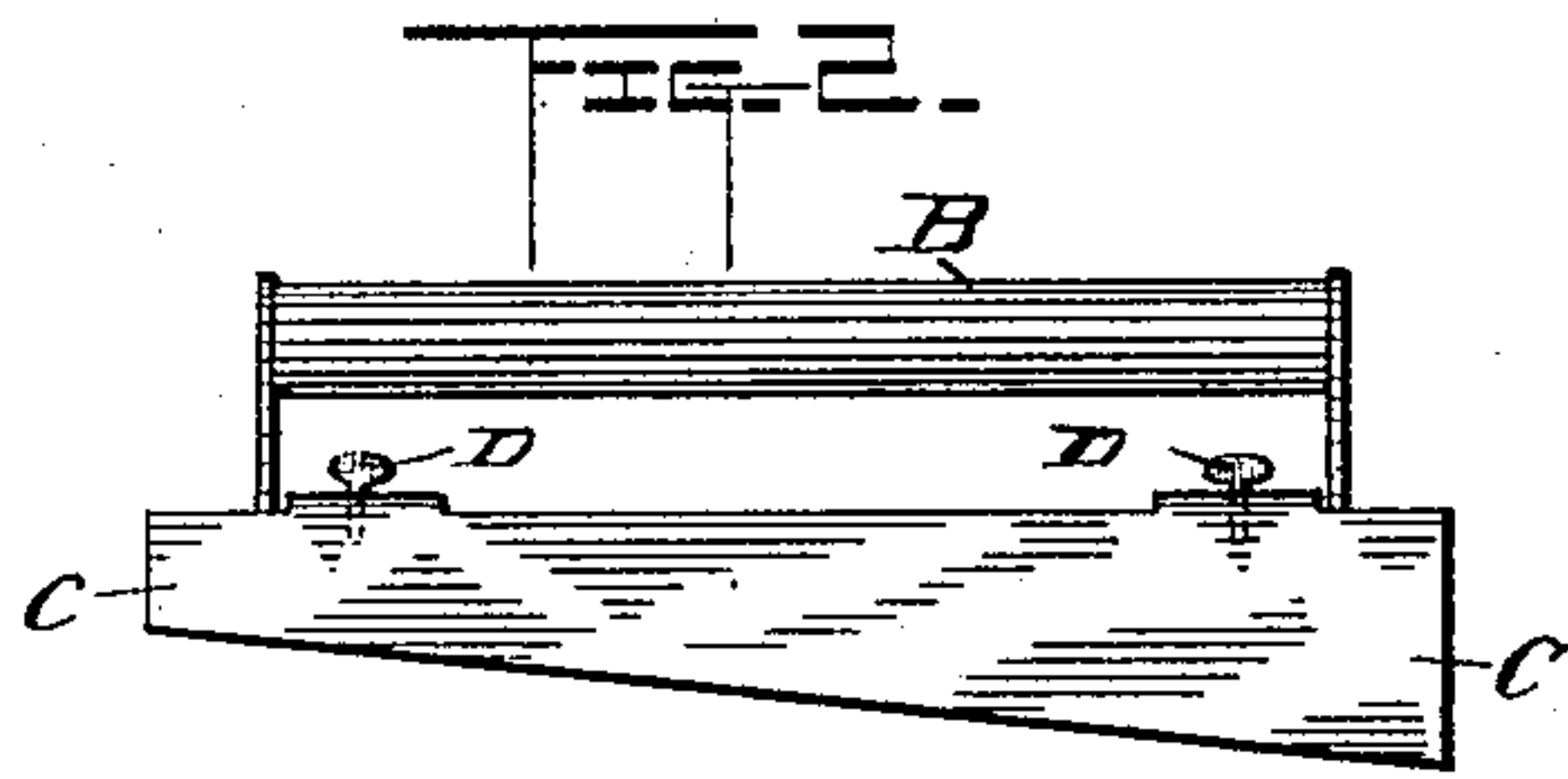
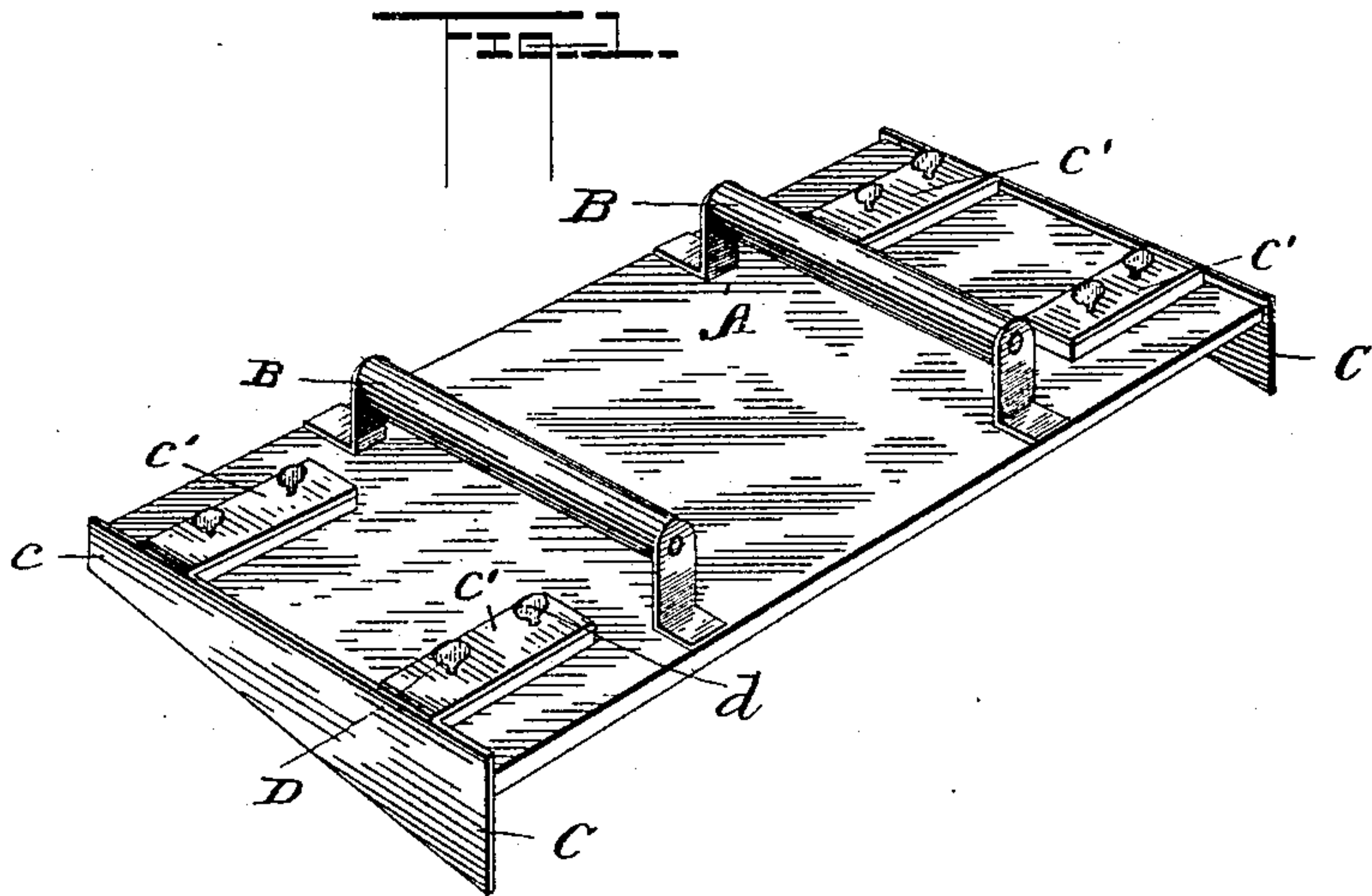
(No Model.)

A. HILL.

PLASTERING TROWEL.

No. 397,129.

Patented Feb. 5, 1889.



WITNESSES.
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UNITED STATES PATENT OFFICE.

ALEXANDER HILL, OF KANSAS CITY, MISSOURI.

PLASTERING-TROWEL.

SPECIFICATION forming part of Letters Patent No. 397,129, dated February 5, 1889.

Application filed June 28, 1888. Serial No. 278,452. (No model.)

To all whom it may concern:

Be it known that I, ALEXANDER HILL, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented certain new and useful Improvements in Plastering-Trowels; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in plastering-trowels.

The object is to provide a trowel which shall be capable of holding a very great amount of mortar, and which may be handled by both hands of the plasterer, and the mortar secured to the wall at a uniform thickness and with the greatest rapidity.

With these ends in view my invention consists of certain features of construction and combinations of parts, as will be hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view of the trowel in perspective, and Fig. 2 is an end view.

A represents the body of the trowel, preferably consisting of a plate of sheet-steel about nine inches wide and twenty-eight inches long. The size, however, may be increased or diminished at pleasure. To the back of the body, and at distances about equidistant from the ends thereof, a pair of handles, B, of ordinary construction, are secured. To the opposite ends of the body A a pair of end guides are secured as follows: The end guides consist of pieces of metal or other suitable material, narrower at their upper ends, c, than at their lower ends, C, and from the back edges of said end pieces arms c' project at right angles to the guides or pieces C c for a considerable distance along the back of the body A, and are secured to the said body A by means of set-screws D d, two for each. In order to render the said end guides or pieces adjustable at right angles to the plane of the body, in order to secure different thicknesses of coats of plaster, I find it convenient to have the set-screws D d work freely

in the perforations in the arm c' and screw into threaded perforations in the back of the body A, thus admitting of raising the said arms c' at different distances above the back of the body A, thereby drawing the bearing-edge of the guides C c back toward the face of the body A.

As thus constructed the trowel is capable of holding a full bucket of mortar, which may be placed thereon while the trowel is held in both hands by the plasterer, and the mass is then applied to the wall and thinned down by the pressure of the trowel toward the wall, the end guides cutting through and following along the surface-lathing. The weight of the plasterer is thus brought into play and utilized to the best advantage, saving a great waste of muscular power.

It will be understood that the herein-described trowel is intended for use in putting on the first or rough coat of plaster, where the slight creases left by the guides will be of no disadvantage, while the uniform thickness of the coat, as the foundation for subsequent coats of plaster, is of very great importance. It will furthermore be observed that the end guides may be removed when for any reason it is found desirable to employ the body A without them.

I have spoken of the trowel as preferably having its body portion composed of steel plate; but I do not wish to limit myself to this particular metal, but consider the use of any suitable material either for the body or guides as coming within the spirit and scope of my invention.

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

1. The herein-described trowel, consisting of the flat-faced body portion provided with end guides secured thereto to regulate the thickness of the coat of plaster, substantially as set forth.

2. In a trowel, the combination, with a flat body provided with a pair of handles secured to its back, of end guides secured to the body and adjustable at right angles thereto, substantially as set forth.

3. In a trowel, the combination, with the
body portion provided with a pair of handles
secured to its back, of end guides secured to
the body and adjustable at right angles
5 thereto, the said end guides being narrower
at one end than at the other, substantially as
set forth.

In testimony whereof I have affixed my sig-
nature in presence of two witnesses.

ALEXANDER HILL.

Witnesses:

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BESSIE E. YOUNG.