

F. Reed,

Trowel.

No. 104,644.

Patented June 21, 1870.

Fig. 1.

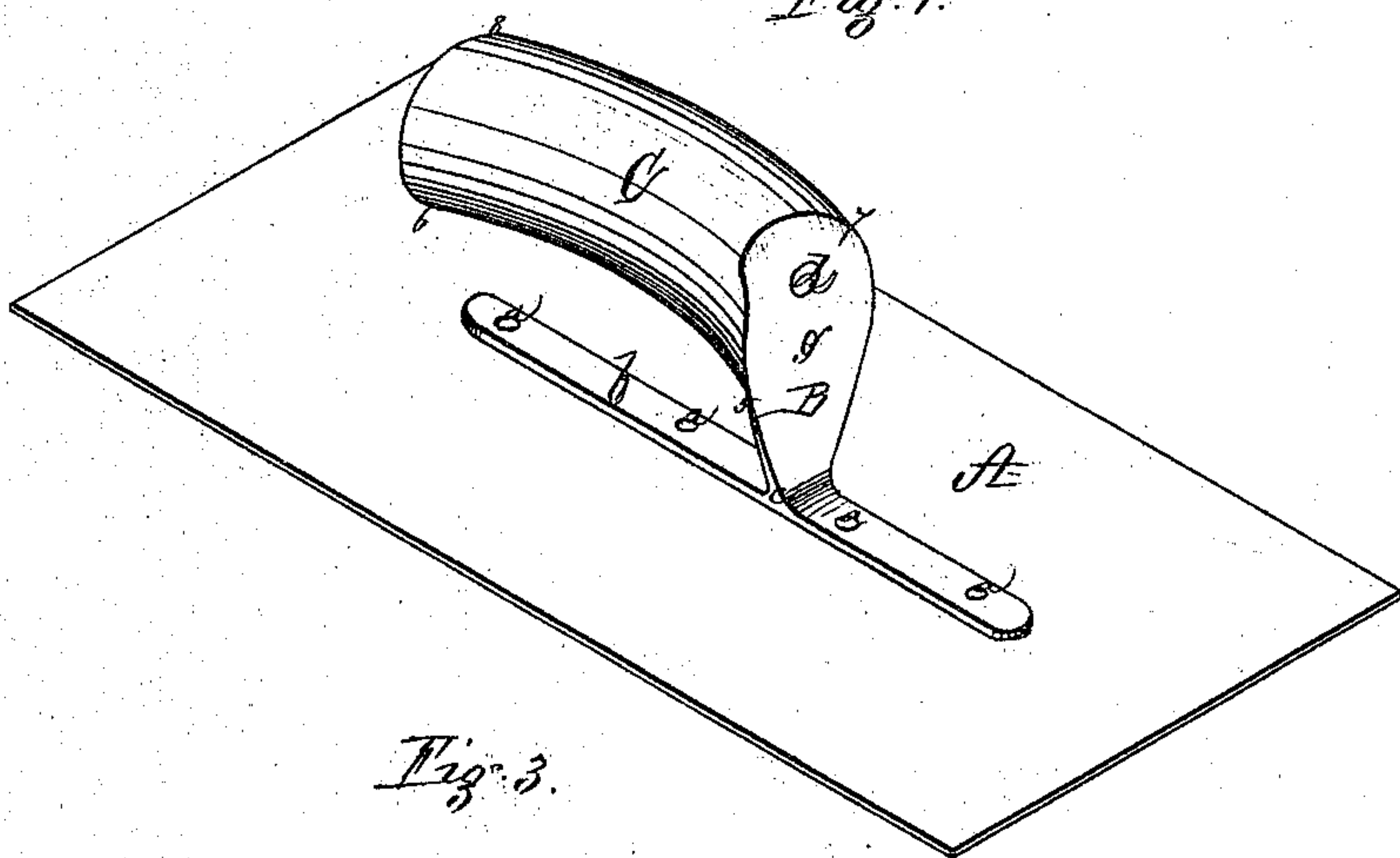


Fig. 3.

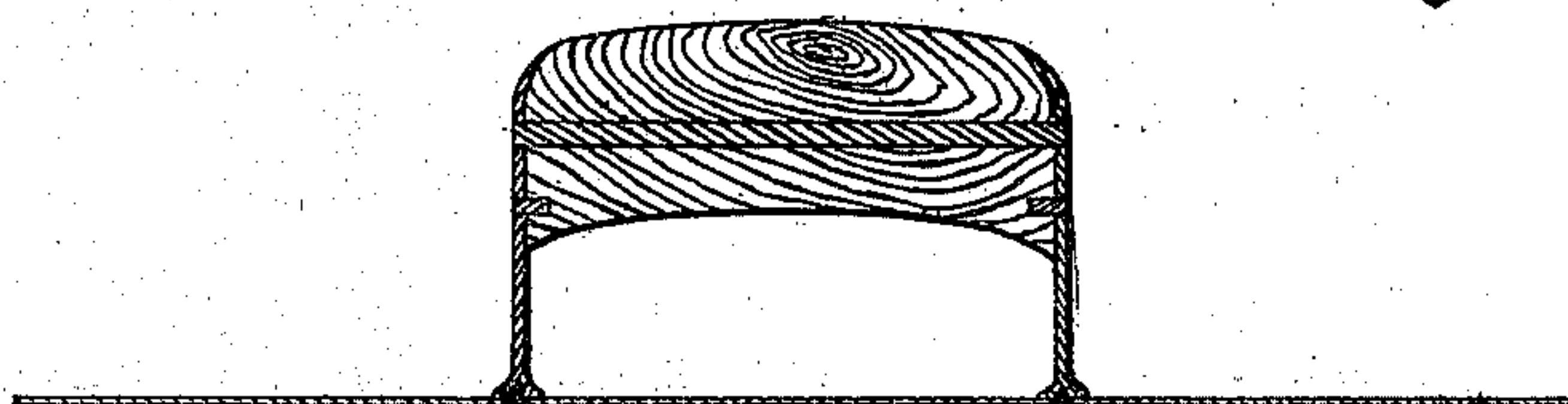
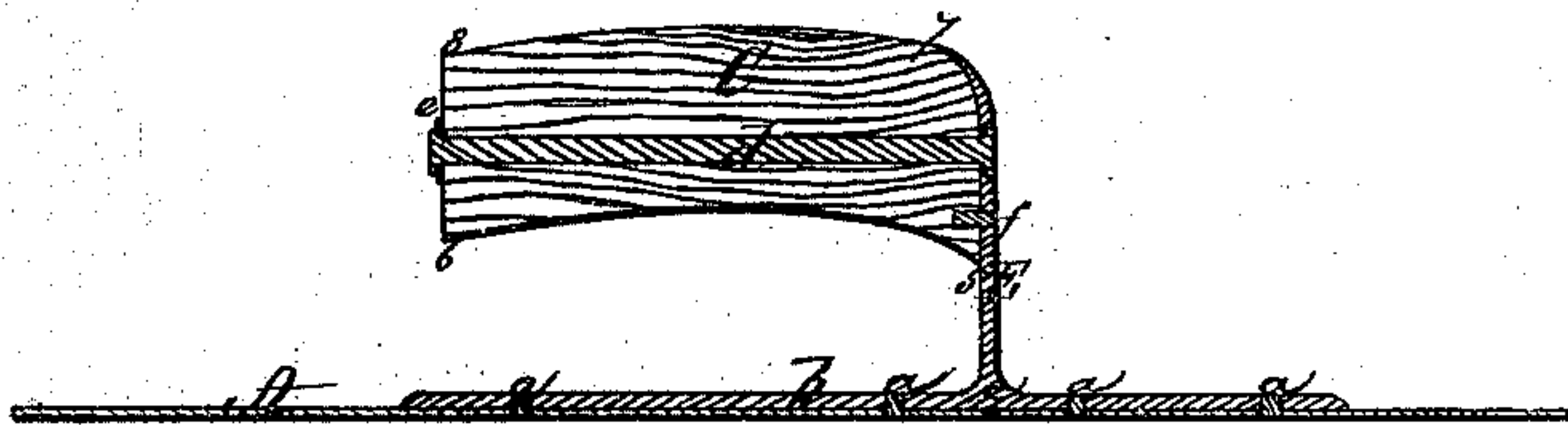


Fig. 2.



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FRANKLIN REED, OF CANTON, MASSACHUSETTS.

Letters Patent No. 104,644, dated June 21, 1870.

IMPROVEMENT IN TROWELS.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern :

Be it known that I, FRANKLIN REED, of Canton, in the county of Norfolk and State of Massachusetts, have invented certain Improvements in Trowels, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing making part of this specification, in which—

Figure 1 is a perspective view of a plasterer's trowel with my improvements applied thereto.

Figure 2 is a longitudinal vertical section through the center of the same.

Figure 3 is a modification to be referred to.

My invention consists in a trowel in which the bolster extends above the shank and covers the end of the handle, in combination with a dowel-pin, by which construction a more extended bearing is given the handle, and additional strength imparted thereto, while at the same time, the handle is prevented from turning or slipping out of place.

To enable others skilled in the art to understand and use my invention, I will proceed to describe the manner in which I have carried it out.

In the said drawing—

A is the trowel-blade, to the upper side of which is riveted, at *a*, a longitudinal strip or cleat, *b*, of the form shown.

At a point, *c*, forward of the center of the strip *b*, rises an upright support or "bolster," B, its upper end being curved or inclined backward, as seen in figs. 1 and 2, and covering the entire front of the wooden handle C, which abuts against it and rests upon a shank, *d*, which passes centrally through it.

To the outer end of the shank is riveted a washer, *e*, which keeps the handle snugly up to the bolster B, while the latter is provided with a stud or dowel, *f*, which enters a hole of corresponding size in the front of the handle, by which construction any tendency to turn on its shank is overcome.

The form of the under side of the handle from 5 to 6 is that of a curve, while the form of its upper side, from 7 to 8, is that of a corresponding curve; the front 5, of the under side of the handle, by extending down below its center, forms a convenient rest for the thumb and fore-finger, which, in connection with the curvature of the handle, renders it easier to grasp and materially relieves the strain on the wrist, while, at the same time, the hand is enabled to be brought nearer the work.

By my invention, the bolster B, shank *d*, and strip *b*, are made of reduced thickness, whereby a trowel of less weight may be furnished, and at a less cost.

Instead of the strip *b*, two bolsters may be employed, one to support each end of the handle, each bolster to be screwed or otherwise secured to the blade A, (see fig. 3,) but I prefer the construction first described.

The shank may be dispensed with, and the handle be supported between two bolsters by means of dowel pins, without departing from the spirit of my invention.

I am aware that Letters Patent of the United States were granted to J. Flint on the 21st day of October, A. D. 1862, and I distinctly disclaim any of the features covered by him in his said Letters Patent.

What I claim as my invention, and desire to secure by Letters Patent, is—

The bolster B, extending above the shank *d*, and covering the end of the handle C, in combination with the handle C and shank *d*, provided with a dowel-pin, *f*, when constructed and arranged with reference to a trowel, substantially as and for the purpose set forth.

FRANKLIN REED.

Witnesses:

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