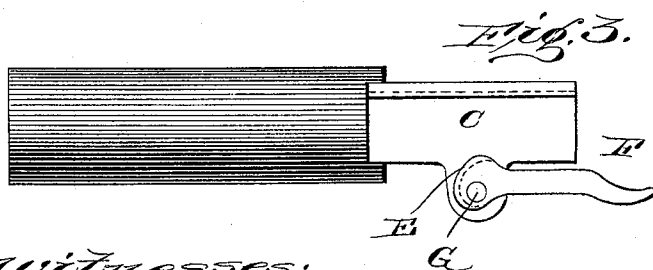
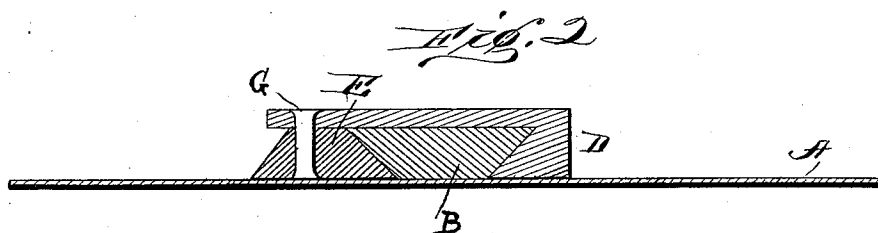
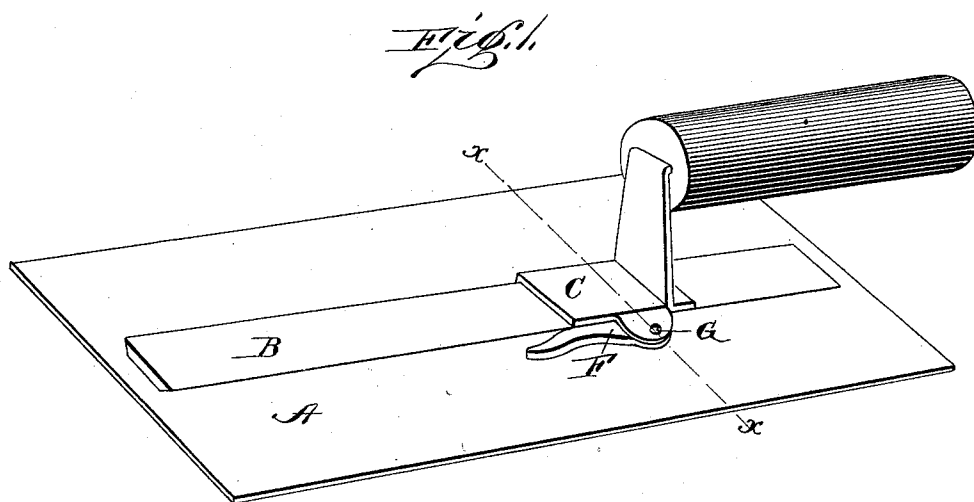


(No Model.)

H. P. WILSON & J. G. ASHWORTH.
PLASTERER'S TROWEL.

No. 583,006.

Patented May 18, 1897.



witnesses:
J. M. Fowler Jr
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UNITED STATES PATENT OFFICE.

HENRY P. WILSON AND JOEL GEE ASHWORTH, OF DENVER, COLORADO;
ELIZABETH E. ASHWORTH, ADMINISTRATRIX OF SAID JOEL GEE
ASHWORTH, DECEASED, ASSIGNOR TO SAID WILSON.

PLASTERER'S TROWEL.

SPECIFICATION forming part of Letters Patent No. 583,006, dated May 18, 1897.

Application filed November 12, 1894. Serial No. 528,561. (No model.)

To all whom it may concern:

Be it known that we, HENRY P. WILSON and JOEL GEE ASHWORTH, citizens of the United States, residing at Denver, county of Arapahoe, and State of Colorado, have invented certain new and useful Improvements in Plastering-Trowels; and we 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.

In the accompanying drawings, Figure 1 is a perspective view of our improved trowel-fastening. Fig. 2 is a section through the saddle transversely, showing the eccentric cam, the back strip, the saddle, and the side strip in section. Fig. 3 is a bottom plan view of the handle, saddle, and clamp, looking from the under side.

The object of our invention is to provide a holder for an adjustable handle for a trowel or float in such a manner that the saddle, side rib, and clamping-cam will all three be in positive and direct contact with the back strip when the handle is locked at any desired predetermined point of adjustment, thus preventing any deposit of mortar or cement or sand or any other foreign substance between the saddle, the side rib, and the eccentric cam while the trowel or float is being operated. It will be well understood by those skilled in the art that any deposit of mortar or cement or any other foreign substance under the saddle would destroy the perfect fit of the saddle upon the back strip and would have a tendency to cause the handle to work loose.

Another object of our invention is to provide a fastening device by the use of which the saddle and handle are drawn down toward the back strip when the saddle is locked in position.

In the accompanying drawings, A designates a trowel-blade, to which is secured a back strip B, which is beveled inwardly from its top to its base, at which latter line it is secured to the trowel-blade. A saddle C is provided with a side rib D, which is beveled correspondingly and inversely to the bevel on the back strip and on the same slant. The opposite side of the saddle is provided with an eccentric cam E, having a handle F and

secured in position by a pivot-pin or rivet G. This eccentric cam E is beveled correspondingly and inversely to the bevel on the back strip and in the same plane or on the same slant, the result of which is that, by turning the eccentric cam away from the back strip by throwing the handle F away from the back strip, the saddle will be free to slip longitudinally on the back strip by reason of the fact that the distance between the inner lower extremity of the side rib D and the inner lower extremity of the eccentric E will be greater when the handle F is turned away from the back strip than when it is in a locked position, as shown in Fig. 1. This distance being greater, the saddle may be moved slightly over away from the back strip B, and consequently may be slightly raised to move it up and down along the back strip B, and by simply throwing the lever F around into the position shown in Fig. 1 the saddle will be drawn down again snugly and flatly upon the back strip, the side rib will be brought into direct and positive contact with the side of the back strip, while the eccentric cam will snugly and positively clamp the opposite side of the back strip entirely on any predetermined line from a point on the top of the back strip to a point at the base of the back strip. Thus it will appear that when the handle is clamped in position it will be impossible for any foreign substance to get under the saddle, side rib, or eccentric cam between any one of them and the back strip.

What we claim is—

A trowel composed of a blade having a back strip beveled along its side, a saddle supporting a handle, said saddle having a side rib adapted to engage one side of the back strip and provided on the other side with an eccentrically-mounted cam having a face beveled correspondingly and inversely to the bevel on the back strip to engage said beveled side substantially as described.

In testimony whereof we affix our signatures in presence of two witnesses.

HENRY P. WILSON.

JOEL GEE ASHWORTH.

In presence of—

WILLIAM G. SMITH,
JOEL W. ORRIS.