F. C. BRENNAN
SAND FINISH FLOAT
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Fig. 1

Fig. 2

Fig. 3

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To all whom it may concern:

Be it known that I, FRANK C. BRENNAN, a citizen of the United States, residing at the city of St. Louis, State of Missouri,

have invented certain new and useful Improvements in Sand-Finish Floats, of which the following is a specification.

This invention has to do with the art of plastering, and relates to improvements in a tool known to plasterers as a sand-finish float, which tool is used to impart a rough or sand-like finish to plastered walls and other surfaces.

Hitherto such floats have been constructed of castings, preferably aluminum, and have consisted generally of a base over which a rough fabric, such as a piece of carpet, has been stretched and folded over upturned ends of the base, against which it has been wedged or clamped by means of clamps pivoted to the base and tightened by screws held in the base. Being of cast material, the float has been unduly heavy and cumbersome, and, also, liable to breakage if dropped, because of the brittle and fragile nature of the castings.

The object of the present invention is to provide a float of such form that it can be readily fabricated of sheet metal, preferably aluminum, as a consequence of which it may be made considerably lighter, stronger, simpler, and less cumbersome.

In the accompanying drawings forming part of this specification, in which like numbers of reference denote like parts wherever they occur,—

Figure 1 is a perspective view of the float;

Figure 2 is a vertical central longitudinal sectional view of the same; and

Figure 3 is an elevational view of a modification.

The device comprises a base 1, having upturned ends 2, and provided with a handle 3, secured to the base by screws 4. A course-surfaced element or fabric 5, preferably a band of carpet, is stretched across the bottom of the base 1 and over and around the upturned ends 2 to the top of the base 1, and is clamped or wedged against the corners 6 between the base 1 and the upturned ends 2 by the flanges 7 of angle-shaped clamps 8, the other flange 9 of which abuts against the top side of the base 1. The junctions 10 of the flanges 7 and 9 are apertured intermediate of their lengths at 11 for the passage of bolts 12, the heads 13 of which bolts are socketed in the holes 14 in the base 1, the tapered form of hole and head permitting pivotal movement of the bolt when the latter is not tightened by screwing the nut 15 home against the clamp 8 to tighten the latter. The aperture 11 being larger than the bolt 12, also, permits angular movement of the same relative to the clamp 8.

The base 1 and clamps 8 are preferably fabricated of sheet aluminum. The upturned ends or flanges 2 may be at any suitable angle to the base 1, or they may be curvilinear as shown in the modification of Figure 3. The handle 3 is preferably made of wood.

Having thus described this invention, I hereby reserve the benefit of all changes in form, arrangement, order, or use of parts, as it is evident that many minor changes may be made therein without departing from the spirit of this invention or the scope of the following claims.

I claim:

1. A sand-finish float comprising a sheet metal base with upturned ends, a course-surfaced band stretched along the bottom of the base and over the upturned ends, and sheet metal clamps secured to the top of the base and adapted to bear adjacent the upturned ends.

2. A sand-finish float comprising a base with upturned ends; a course-surfaced element stretched across the bottom of the base and passing around the said upturned ends; and angle-shaped clamps adjacent the said ends, each clamp having one of its flanges adapted to bear on the base and the other against the passed-around portions of the said element.

3. A sand-finish float comprising a base with upturned ends; a course-surfaced element stretched across the bottom of the base and passing around the said upturned ends; angle-shaped clamps adjacent the said ends, each clamp having one of its flanges adapted to bear on the base and the other against the passed-around portions of the said element, and each clamp having an aperture at the junction of its flanges at a point intermediate of its length; and bolts borne by the said base and passing through the said apertures.

4. A sand-finish float comprising a base with upturned ends; a course-surfaced ele
ment stretched across the bottom of the base and passing around the said upturned ends; angle-shaped clamps adjacent the said ends, each clamp having one of its flanges adapted to bear on the base and the other against the passed-around portions of the said element, and each clamp having an aperture at the junction of its flanges at a point intermediate of its length; and bolts pivotally socketed in the said base and passing through the said apertures.

In testimony whereof I hereunto affix my signature.

FRANK C. BRENNAN.