

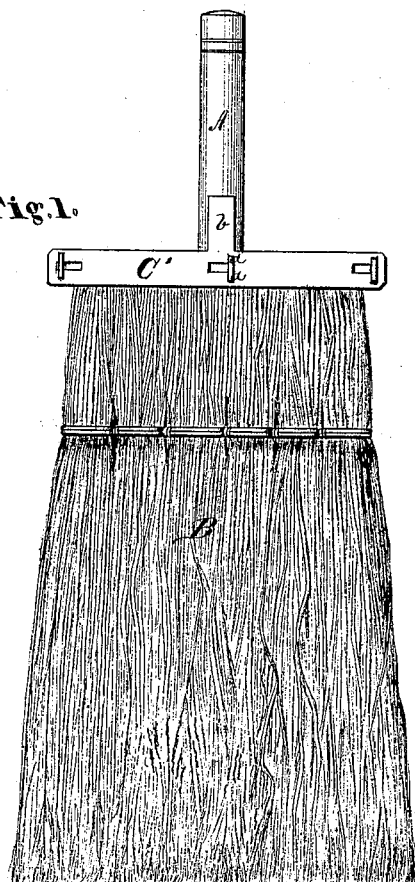
*C. L. Reid,*

*Broom.*

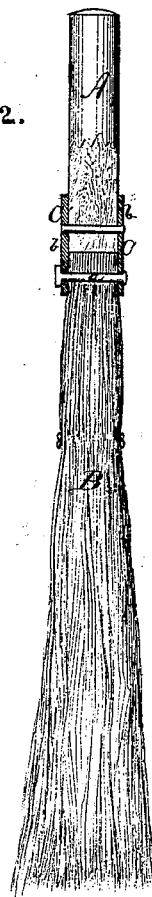
*No. 112,960.*

*Patented Mar. 21, 1871.*

**Fig. 1.**



**Fig. 2.**



Witnesses.

*Chas. Henson*

*Wm. Anderson*

Inventor.

*C. L. Reid.*

*Chippman Hosmer & Co.*

*Attys*

# United States Patent Office.

CHARLES L. REID, OF LOUISVILLE, KENTUCKY.

Letters Patent No. 112,960, dated March 21, 1871.

## IMPROVEMENT IN BROOMS.

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, CHARLES L. REID, of Louisville, in the county of Jefferson and State of Kentucky, have invented a new and valuable Improvement in Brooms; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of front view of my invention.

Figure 2 is a central vertical section of the same.

My invention has relation to brooms, and consists in the construction of the clamps, whereby the straws of the broom are held together at the top.

The letter A of the drawing represents the handle, and

B the brush part of my broom.

O O' represent clamps, by which the straws of the broom are held together at the top, and by which the handle is secured to the upper part of the broom.

The clamp C' is slotted, as shown on the drawing, for the passage of the heads of keys *a a'*. These small keys are usually secured to the plate O by spreading the ends; then they are passed through the straw, and the slots in the plate C' and the expanded ends *d d* are turned, securing the straw.

To hold the handle more rigidly in position the concave projections *b b* are employed. They extend upward from the plates O and C', and the handle passes between them and is secured to them by means of

the pin *c*, which is fastened in the manner of a rivet by heading it on both sides, or with a screw-thread, bolt, and nut.

In manufacturing these brooms I usually dip the upper portion into hot pitch or any other adhesive substance, for the purpose of holding the straws more firmly together, when the clamps are applied and tightened by means of the pins *a a'*. The upper ends of the straws are brought on a level, and the lower end of the handle is adjusted against them, thus increasing its stability.

I am aware that brooms have been constructed with a metallic head, through which bolts have been passed, and made secure by nuts, screws, and washers, but such manufacture is found to be accompanied with great expense. I lay no claim to brooms thus constructed; but

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

The broom-clamps herein described, consisting of the clamping-plates O O', having the concave projections *b b*, secured by keys *a a'* passing through the slots in the clamp C' and holes in the clamp O, substantially as shown and described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

CHARLES L. REID.

Witnesses:

BENJ. ABRAHAMS,  
JOHN B. SWAN.