(No Model.)

C. SANDFORD.

BROOM HOLDER.

No. 344,869. Patented July 6, 1886.

Fig. 1

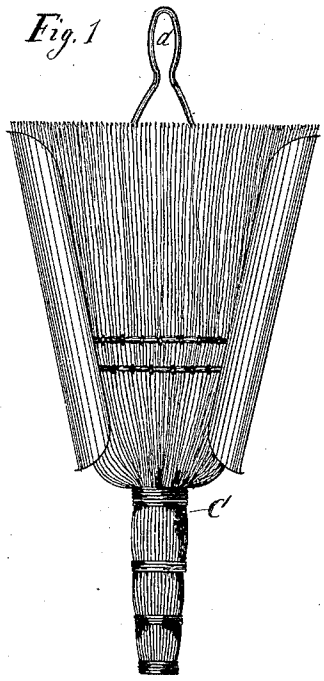


Fig. 2

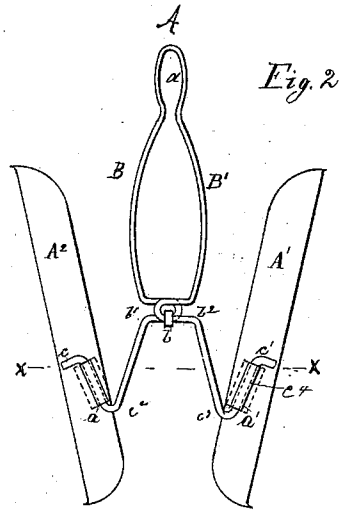


Fig. 3

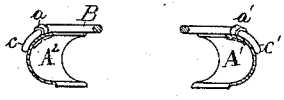


Fig. 4

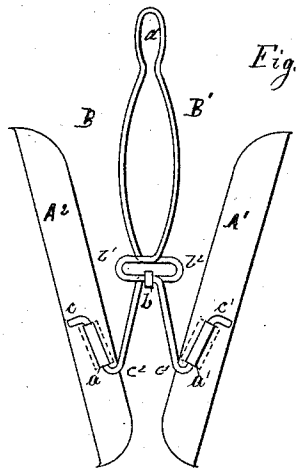


Fig. 5



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UNITED STATES PATENT OFFICE.

CHARLES SANDFORD, OF PATERSON, NEW JERSEY.

BROOM-HOLDER.

SPECIFICATION forming part of Letters Patent No. 344,869, dated July 6, 1886.

Application filed August 29, 1885. Serial No. 175,680. (No model.)

To all whom it may concern:

Be it known that I, CHARLES SANDFORD, a citizen of the United States, residing at Paterson, Passaic county, State of New Jersey, have invented a new and useful Improvement in Broom-Holders, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof.

The object of my invention is to provide a broom-holder of new construction, wherein the sides of the holder are more firmly secured to the supporting-arms, and wherein the supporting-arms are so arranged as to prevent expansion of the bearing portions of the holder by weight and pressure from brooms placed therein. These objects I attain by the construction shown, which will be fully explained and claimed.

Figure 1 of the drawings is a front elevation of the holder having a whisk-broom therein. Fig. 2 is a rear elevation of the same, in which figure the holder is extended to its utmost limit and locked. Fig. 3 is a transverse section of the holder, taken on line $x\ x$ of Fig. 2. Fig. 4 shows the parts of Fig. 2, in which figure the holder is shown in its contracted position and unlocked; and Fig. 5 is a sectional plan of the sides, showing how the sides are secured to the supporting-arms.

A represents a whisk and other broom holder, having elastic supporting-arms B and B′. I construct the supporting-arms by bending centrally a piece of wire of a suitable kind and length—preferably steel wire, on account of its elasticity—and form a loop, *d*, by which to hang the holder to its fastening-pin. I then form on the supporting-arms B and B′ corresponding inverted loops, b' b^2, that pass over each other, the lower arm portions of which loops I secure together adjustably by means of a ring, *b*, that surrounds the said lower-arm portions of the loops, and which ring, in connection with the said loops b' and b^2, forms a lock in the supporting-arms B B′, by which the outward movement of the sides A′ A^2 of the holder is limited, the inward limit of the same being regulated by the form and elasticity of the supporting-arms. The lower end of the supporting-arms B B′, I bend at c^2 c^3, so as to form a straight portion, c^4, and a lateral projecting part or lug, $c\ c'$. To the straight portions c^4 of the arms B B′, I secure firmly, by means of sheet-metal loops *a* and *a′*, the depending sides A′ and A^2 of the holder A. The loops *a a′*, that are looped over and partly around the straight portions c^4 of the supporting-arms, pass through slots arranged therefor in the sides A′ A^2, and are turned in different directions and clinched on the inner surfaces of the sides A′ A^2, as shown in Fig. 5. By this construction the sides of the holder are held rigidly to the supporting-arms, while the lateral projecting parts or lugs $c\ c'$, which conform to the convexity of the sides A′ A^2, as shown in Fig. 3, give resistance to the free bearing portions of the sides A′ A^2 of the holder A, and prevent the said free bearing portions of the sides of the holder from yielding to the pressure thereon, caused by the weight and downward tendency of the broom C, placed therein.

In practice the loop *d* is passed over the fastening-pin against the wall or elsewhere, and the whisk C or other broom placed in position in the holder, handle downward, the same being supported in the holder A by the sides A′ A^2. The broom C, after being placed in the holder, tends to move by gravity downward, causing pressure on the bearing-surfaces of the sides A′ A^2, which is met by the elasticity of the supporting-arms B B′, which permits the outward movement of the sides until the loops b b' engage the ring *b*, which locks the arms B B′ and prevents the further extension of the holder, at which time the position of the broom in the holder is supposed to be sufficiently low to permit its withdrawal from the holder by the clamping of the straws of the broom while the same is being drawn from the holder, the lugs c c' holding the bearing portions rigid during the operation.

By a glance at the drawings the advantages of my new construction will be readily seen.

Having described my invention, I claim, and desire to secure by Letters Patent, in a broom-holder—

The combination, with the corresponding inverted loops b' b^2, and ring for engaging said loops to limit the outward movement of the supporting-arms, of the supporting-arms B B′ and sides A′ A^2, carried by said supporting-arms, substantially as described.

CHARLES SANDFORD.

Witnesses:
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