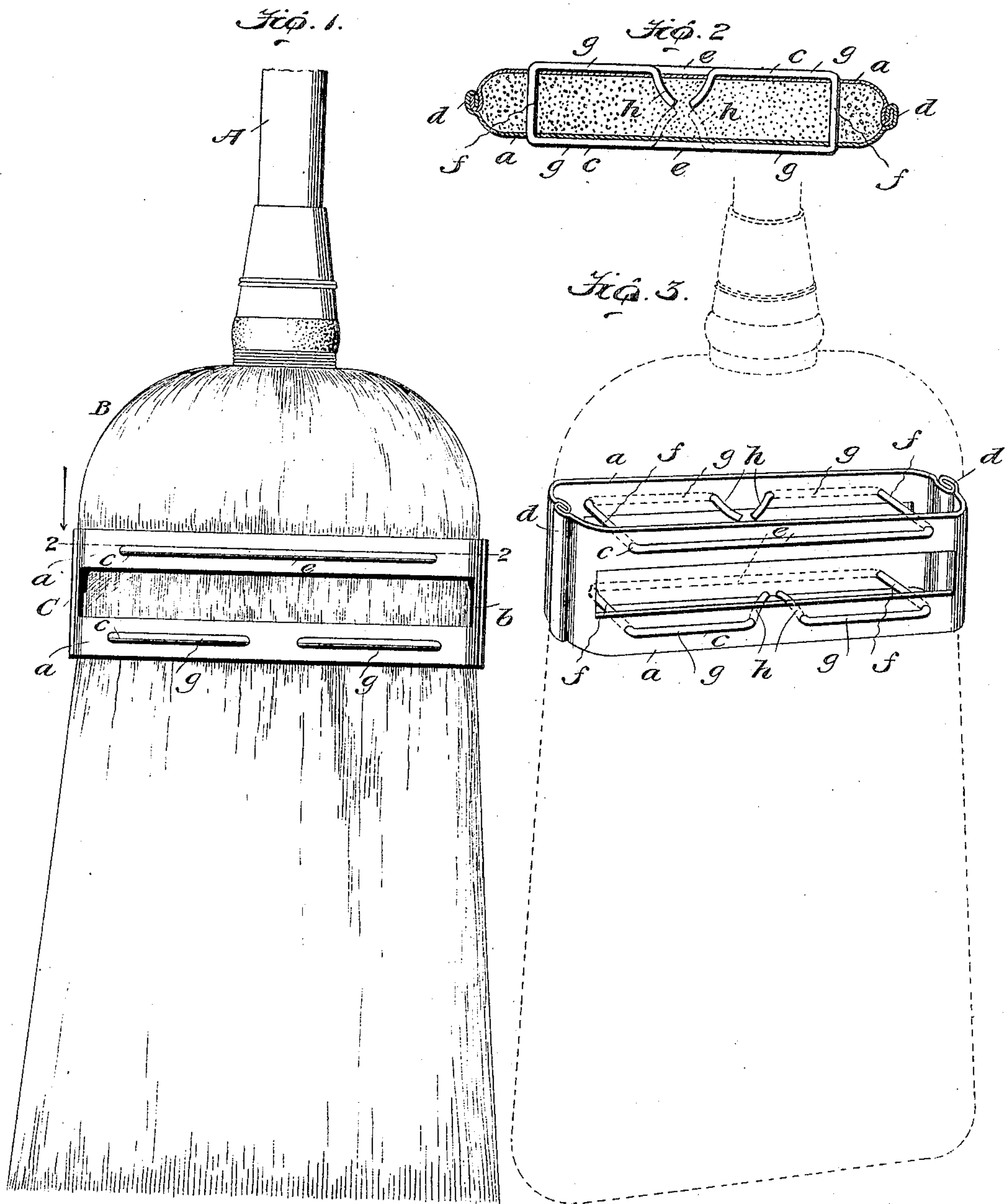


No. 817,971.

PATENTED APR. 17, 1906.

C. A. HALL.
BROOM BRIDLE.

APPLICATION FILED NOV. 11, 1904.



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CHARLES A. HALL, OF NEW ORLEANS, LOUISIANA.

BROOM-BRIDLE.

No. 817,971.

Specification of Letters Patent.

Patented April 17, 1906.

Application filed November 11, 1904. Serial No. 232,339.

To all whom it may concern:

Be it known that I, CHARLES A. HALL, a citizen of the United States, residing at New Orleans, in the parish of Orleans and State of Louisiana, have invented new and useful Improvements in Broom-Bridles, of which the following is a specification.

My invention pertains to brush and broom bridles, more particularly bridles for lending strength and durability to broom-heads; and it consists in the peculiar and advantageous construction hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a front elevation of a broom equipped with the bridle constituting the present and preferred embodiment of my invention. Fig. 2 is a horizontal section taken in the plane indicated by the line 2 2 of Fig. 1, and Fig. 3 is a perspective view illustrating my novel bridle in full lines and the broom-head in dotted lines.

Similar letters designate corresponding parts in all of the views of the drawings, referring to which—

A is the handle or stick of a broom, and B is the head thereof. These parts are preferably of the ordinary well-known construction; but they may obviously be of any other construction compatible with the purposes of my invention without involving a departure from the scope thereof.

C is the novel bridle as a whole. The said bridle comprises straps *a*, of light sheet metal, which are cut out, as indicated by *b*, in order to render them light in weight, and fasteners *c*, of wire, through the medium of which the sheet-metal straps are connected to the head B and fixed against vertical movement thereon. As clearly shown in Figs. 2 and 3, the ends of the sheet-metal straps *a* are lapped and clenched at *d*, and hence it will be seen that the said straps, which are disposed at opposite sides of the head B, will tightly clasp the said head, and by holding the broom-straws in close contact will lend strength and durability to the head and materially prolong the period of usefulness of the same. The fasteners *c* are identical in construction, and therefore a detailed description of the fastener shown in Fig. 2 will suffice to impart a definite understanding of both fasteners. The said fastener, Fig. 2, comprises a comparatively long stretch *e*, disposed at the outer side and extending longitudinally of one of the metallic straps *a*, arms *f* extending

at right angles from the ends of the stretch *e* and transversely through both metal straps and the head B, comparatively short stretches *g* extending inwardly from the opposite ends of the arms *f* with reference to the long stretch *e*, and disposed at the outer side of the opposite strap *a* with reference to the strap *a* first mentioned, and terminals *h* extending obliquely from the inner ends of the short stretches *g* and through apertures in the last-mentioned strap *a* and into the head B. The arrangement of the stretches of the wire fastener at the outer sides of the metallic straps *a* will obviously lend stiffness and strength to the said straps, while the disposition of the arms *f* and the terminals *h* in the head B will connect and fix the straps *a* to the head in a strong and durable manner. It will also be appreciated that by virtue of the terminals *h* converging inwardly the liability of the said terminals casually working out of the broom-head is reduced to a minimum. The fasteners *c* are disposed one above and one below the openings in the straps *a*, so as to reinforce the upper and lower portions of the straps and connect both portions directly to the head B, and the two fasteners are preferably arranged as shown relative to each other—that is to say, the long stretch *e* of one fastener is disposed at the outer side of one strap *a* and the long stretch *e* of the other fastener is disposed at the outer side of the other strap *a*. In this way both straps are equally reinforced and both sides of the broom-head uniformly strengthened.

Notwithstanding the fact that my novel bridle is calculated to materially prolong the usefulness of a broom-head, the said bridle is inexpensive and light and is so compact as to inclose but a small portion of the broom-head. From this latter it follows that while the bridle will materially strengthen a broom-head it will not rob the lower portion of the same of the desirable flexibility.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

The combination with the head of a broom; of a bridle consisting essentially of sheet-metal straps disposed at opposite sides of the upper portion of the head and having longitudinal openings extending from points adjacent to their ends to points adjacent to their opposite ends, and also having their ends arranged at opposite edges of the head and lapped and clenched, an upper fastener of

wire and a lower fastener of wire; each of the
said fasteners having a long stretch disposed
outside and extending longitudinally of one
strap, arms extending from the ends of the
5 long stretch and transversely through said
strap the broom-head and the other strap, in
the order named, short stretches arranged
outside and extending longitudinally of the
said other strap, and inwardly-converged
10 terminals extending from the inner ends of

the latter stretches and through such other
straps and into the broom-head.

In testimony whereof I have hereunto set
my hand in presence of two subscribing wit-
nesses.

CHARLES A. HALL.

Witnesses:

LOUIS P. BRYANT,
GEO. W. KENDALL.