

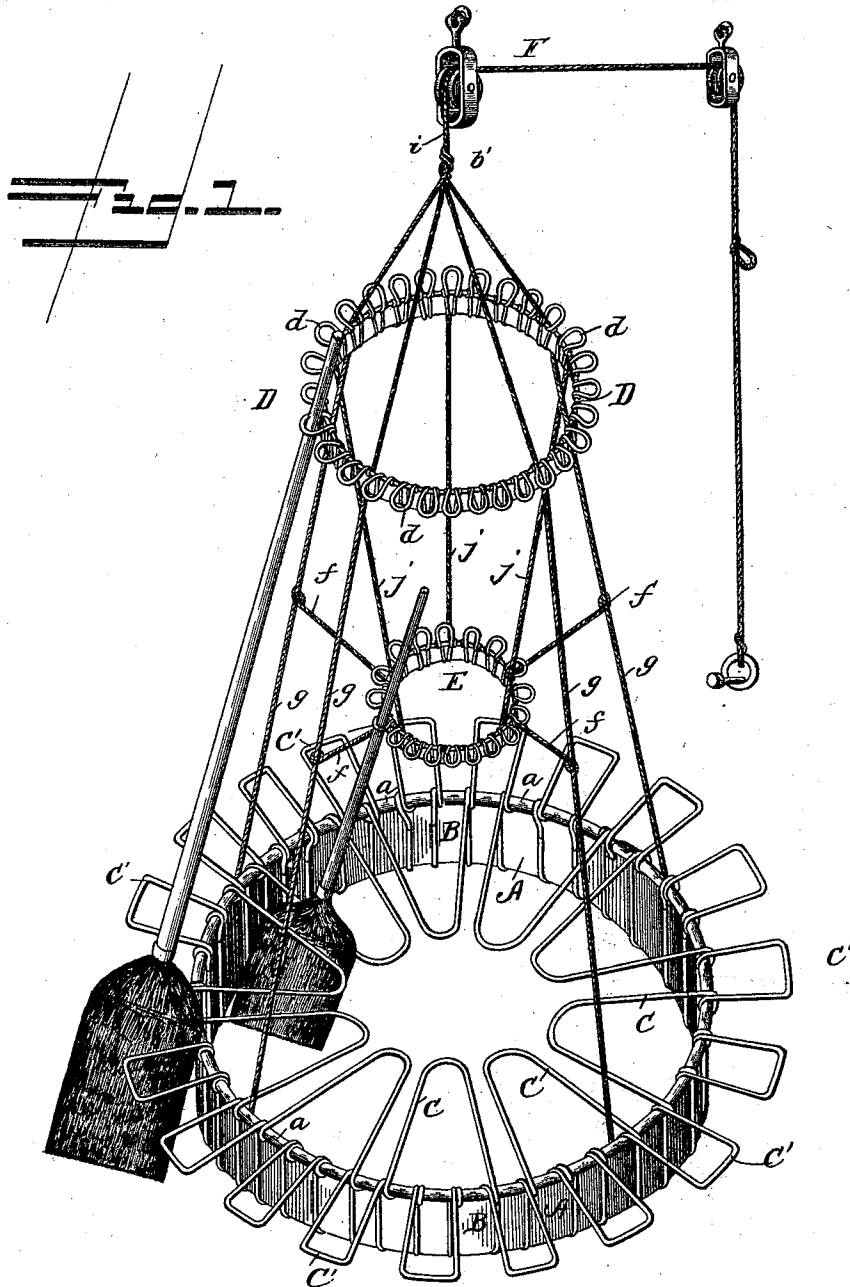
(No Model.)

2 Sheets—Sheet 1.

W. C. JONES.
BROOM RACK.

No. 497,667.

Patented May 16, 1893.



Witnesses

E. H. Stewart
J. R. Harding

Inventor

Wesley C. Jones

By his Attorneys,

C. A. Snow & Co.

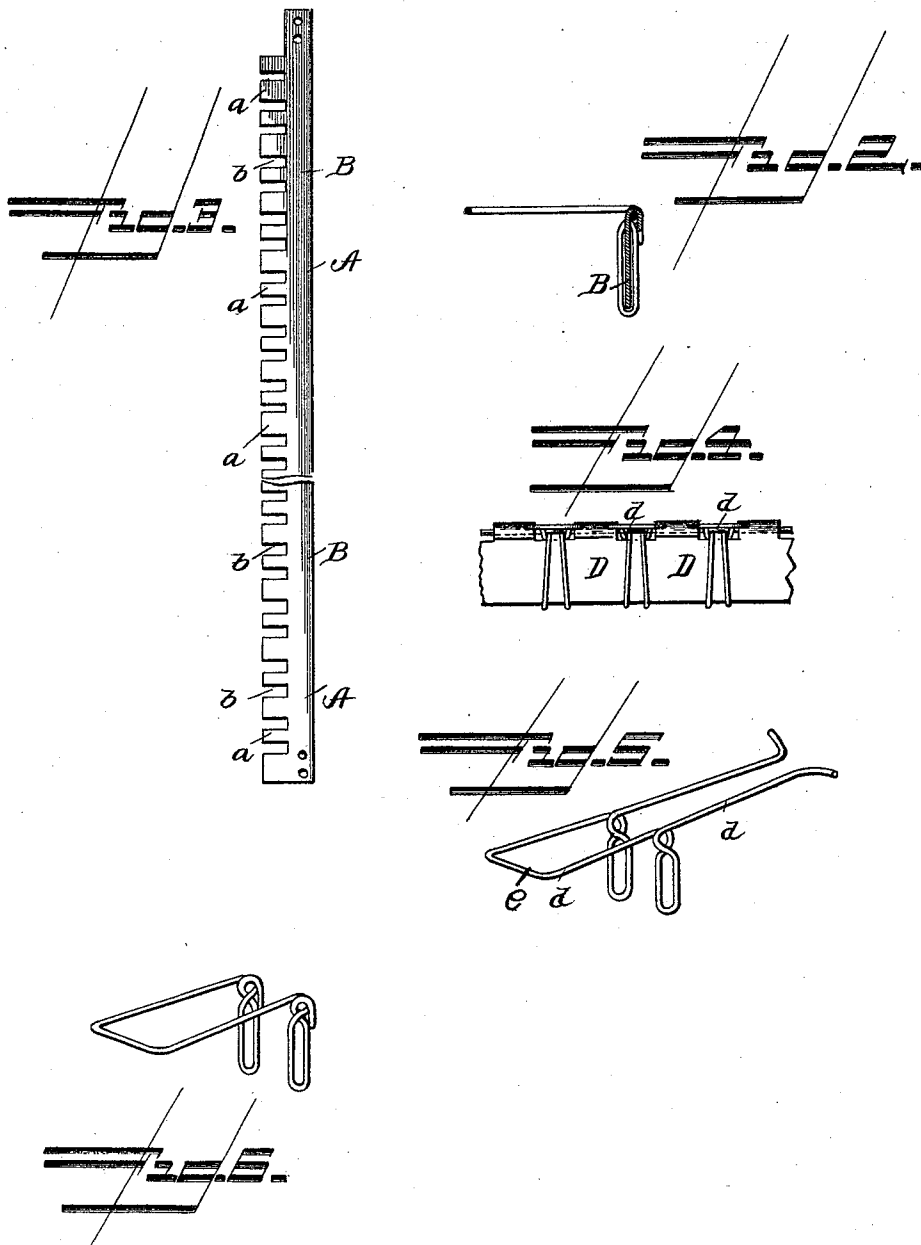
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2 Sheets—Sheet 2.

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UNITED STATES PATENT OFFICE.

WESLEY CORRY JONES, OF WARRENSBURG, MISSOURI, ASSIGNOR TO T. A. SOLLORS AND J. B. GREER, OF SAME PLACE.

BROOM-RACK.

SPECIFICATION forming part of Letters Patent No. 497,667, dated May 16, 1893.

Application filed June 22, 1892. Serial No. 437,604. (No model.)

To all whom it may concern:

Be it known that I, WESLEY CORRY JONES, a citizen of the United States, residing at Warrensburg, in the county of Johnson and State of Missouri, have invented a new and useful Broom-Rack, of which the following is a specification.

My invention relates to a new and improved broom-rack, and is designed as an improvement on the invention shown, described, and claimed in my concurrent application, filed June 20, 1892, and bearing Serial No. 437,399.

In the above-mentioned application there was included in the invention covered thereby a lower base-ring having a series of radial arms extending from the inner and outer peripheries of the ring and adapted to receive the heads of brooms, while above the same were two concentric disks, one arranged above the other, the lower disk being smaller than the outer disk, and each provided with loops for receiving the handles of the brooms whose heads were engaged by the aforesaid arms.

My present invention has for its object to provide a different form and construction of the several parts whereby a stronger, more salable, and more durable device can be substituted; and with such objects in view, said invention consists in certain details of construction, arrangement and combination of parts, all of which will be more fully described hereinafter, and the specific points in which will be pointed out in the appended claims.

Referring to the accompanying drawings: Figure 1 is a view in perspective, illustrating my invention as utilized in a store or similar place. Fig. 2 is a detail section taken through the center of Fig. 4. Fig. 3 is a detail view showing the strips of metal from which the base, middle, and top rings are formed. Fig. 4 is a detail side elevation with parts broken away to show arrangement of top-ring and broom-handle-holders thereon. Figs. 5 and 6 are detail views of broom head holders.

Like letters of reference indicate like or corresponding parts in the several figures of the drawings.

A indicates the base-ring of the rack, made out of a single strip of sheet-metal B, cut or

punched out in the form shown in Fig. 3 and having flexible metal clips *a a* made integral on the upper side thereof, with spaces *b b* therebetween, forming a serrated or toothed edge; said clips *a a* being designed to fold over, embrace, and secure the strengthening wire *c*, which runs circumferentially around the upper edge of the base-ring A, being held in position by clips *a a* overlapping in opposite directions, as shown, and leaving spaces *b b* around the ring and between the same for the insertion of the wire from which the broom-head spring-arms C C' are formed in a manner hereinafter described.

Referring to Figs. 4 and 5, a single continuous piece of wire of required size for strength and flexibility is looped through the two spaces *b b* on respective sides of a clip *a* secured therein around the ring A and the wire *c* in the manner shown, in such manner as to have its two adjacent or contiguous extremities which project horizontally and radially from the inner edge or side of the ring A toward the center, constitute the spring broom-head-holding projections C C', while the loops *e e*, formed on the outer side of ring A out of the same piece of wire, make the outer radially-extending broom-head-holders C' C'; thus will it be clear that two sets of broom-head holders C C' are arranged, one set on the exterior and the other on the interior of the ring A.

D represents the top or handle-supporting ring, formed and constructed exactly like the ring A, with the exception only that the broom-handle-holding loops *d d* are exteriorly arranged around the ring D, and are each made of a single piece of wire having its two extremities hooked over the wire *c* with the loop *d* carried down and out through space *b* on the inside of ring D, and over the under edge thereof, up back on the outside through the space *b* again, and over the top edge of ring D, projecting in a horizontal radial manner out from the outer side of the said ring (as shown clearly in Fig. 4) and serve to receive and hold the handles of brooms, the heads of which are placed in the exterior spaces of the base-ring A.

E designates a smaller broom-handle sup-

porting-ring suspended intermediate of the rings A and D, and like in construction and function to the ring D, being placed in the position shown in order to accommodate itself and hold the handles of shorter or smaller broom-handles, the heads of which are supported on the inside of the base-ring A. The said ring E is held in a horizontal plane by anchor-cords *ff*, secured to the four suspension cords *g g*, fastened at their lower extremities to the ring A, at balancing points thereon, and at their upper ends in like manner to the ring D, and are then severally extended and joined over the said ring D at an apex *b'* when the elevating cord *i* is attached. *jj* indicate the cords suspending the ring E from ring D, and *F* designates the cord-and-pulley arrangement illustrated herein for elevating and lowering the rack, but not further described, since it is fully shown and described in my concurrent application before identified.

Having described my invention, what I claim is—

1. In a broom-rack such as described, the combination with a broom-head supporting ring formed of sheet metal and provided around its periphery with a stiffening ring or wire, a series of wire broom-head receiving loops arranged circumferentially upon the upper edge of the ring and provided intermediate their ends with ring and wire embracing eyes, and broom-handle receiving loops arranged above said rings, and connecting devices between the two rings, substantially as specified.

2. In a broom-rack such as described, the combination with a broom-head supporting ring, a strengthening-wire arranged along its upper edge, of spring-wire loops circumferentially-disposed about said ring and having eyes for engaging the wire, and broom-handle supporting devices located thereabove and

connected to the ring, substantially as specified.

3. In a broom-rack such as described, the combination with a sheet metal base ring having its upper edge recessed at intervals, and a strengthening wire embraced by those portions of the metal between the rings, spring broom-head receiving loops arranged circumferentially about the inner and outer sides of said ring and having eyes for receiving the wire, of a superimposed ring, connections between the same and the head-supporting ring, and handle-receiving loops located on said superimposed ring, substantially as specified.

4. In a broom-rack such as described, the combination with a broom-head receiving ring formed of sheet metal, of wire broom-head receiving loops arranged therearound, extending to opposite sides thereof, and provided intermediate their ends with eyes for engaging the ring, and a superimposed handle-support connected thereto, substantially as specified.

5. In a broom-rack such as described, the combination with a lower base-ring and an upper ring connected therewith, of a series of broom-head receiving loops arranged circumferentially around the lower ring, and a series of handle-receiving loops arranged circumferentially around the upper ring, each of said series of loops being provided with eyes arranged at a right-angle thereto and receiving their respective rings, and formed continuously of a single piece of wire, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

WESLEY CORRY JONES.

Witnesses:

JNO M. RICE,
GEO. G. VALENTINE.