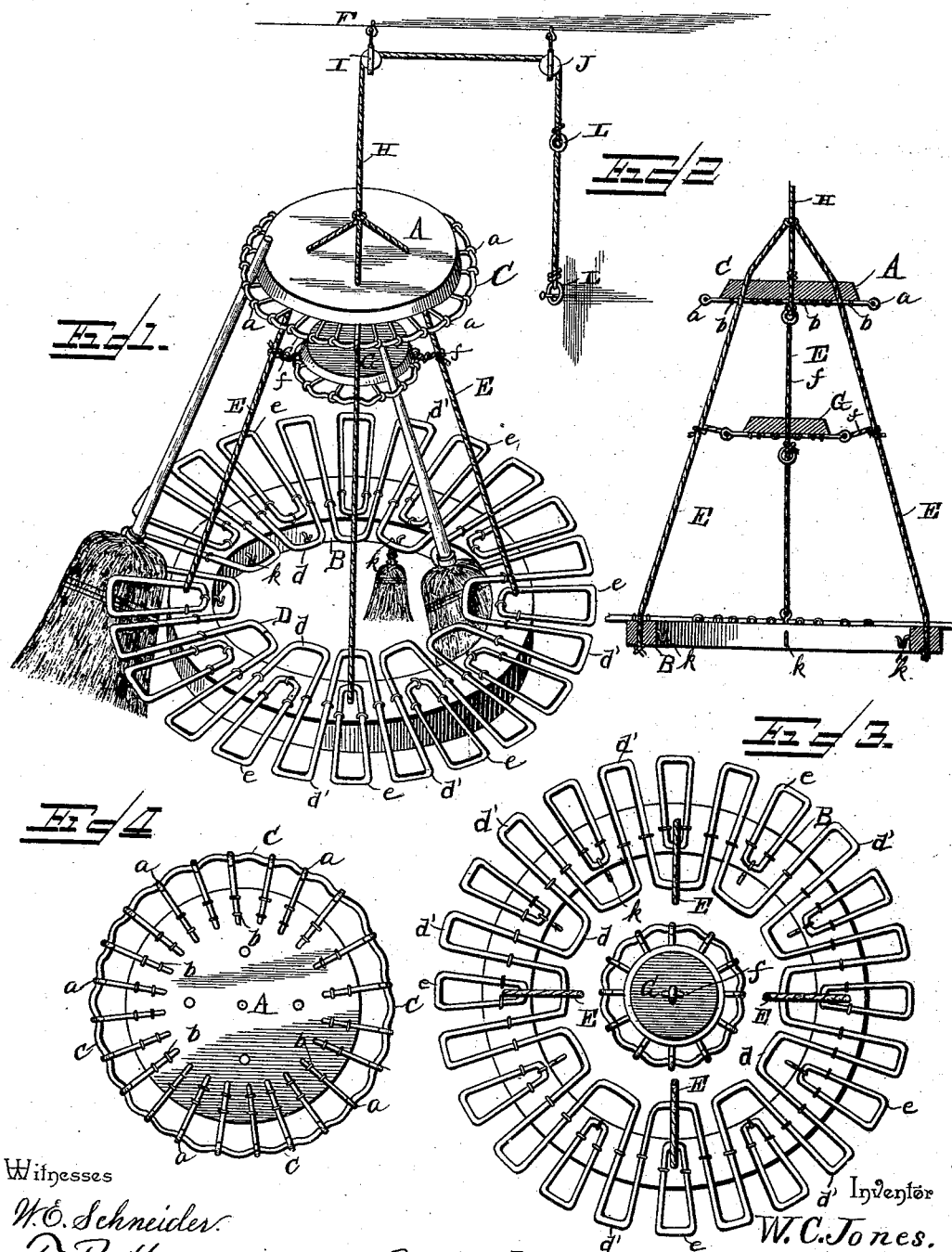


(No Model.)

W. C. JONES.
BROOM RACK.

No. 490,851.

Patented Jan. 31, 1893.



Witnesses

W. E. Schneider.
F. R. Harding

By his Attorneys,

W.C. Jones.

CA Snow & Co.

UNITED STATES PATENT OFFICE.

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

BROOM-RACK.

SPECIFICATION forming part of Letters Patent No. 490,851, dated January 31, 1893.

Application filed June 20, 1892. Serial No. 437,399. (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 portable broom-racks for holding and exhibiting for sale in a convenient and pleasing manner, brooms and similar articles.

Said invention embodies in general the same generic features and arrangement as that shown, described, and claimed in Letters Patent No. 464,176, granted to me December 1, 1891, but is designed as an improvement on said patent inasmuch as it embraces a difference in form and construction whereby it is rendered cheaper and simpler in first cost and manufacture, requiring less material, labor, and attention; more convenient in shipment and portability; and more satisfactory in operation, capacity, and appearance.

For the attainment of these several objects, my 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 of novelty in which will be designated in the appended claims.

Referring to the drawings forming a part of this specification: Figure 1 is a perspective view of my invention in a completed form. Fig. 2 is a vertical transverse sectional view. Fig. 3 is a top plan view, partly in section to show the top frame or disk removed. Fig. 4 is an inverted plan view of the top disk.

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

Before proceeding further into a detailed description of the construction of the parts, I desire to here state that I have shown in Fig. 1 the same overhead pulley and rope arrangement for controlling at will the elevation and descent of the rack to and from the ceiling; and furthermore, that in general shape, form, and construction my invention does not seem to appreciably differ from the illustration of the same as shown in my said patent No. 464,176; however, from the follow-

ing description, taken in conjunction with the drawings, the nature of my improvement, and therefore essential difference of construction, will become apparent.

A indicates the circular wooden top-plate or disk of predetermined diameter and having a number of radially-projecting horizontal eye-bolts *a a*, serially and relatively disposed around the edge of said disk, and having their inner extremities severally fastened to the under portion of the disk A by small wire staples *b b*. The continuous perpendicular line touching the ends of each eye-bolt would form a concentric circle with the disk A, and through the eyes of the eye-bolts *a a* is passed a continuous wire C, crimped or fluted as shown to form a sinuous or undulating circular line around the edge of the disk, thus restricting a space between each two adjacent eye-bolts, adapted to receive and retain the handle of a broom which can be inserted upwardly therethrough.

The base of the rack consists of a wooden hoop or ring B of the required thickness and much larger diameter than the handle holder A. This base or broom-head holder B is designed to hold both interiorly and exteriorly the heads of a prescribed number of brooms, and in that capacity serves the same purpose as both broom-head holders in my aforesaid patent, as will be more readily understood from the following:

D indicates a continuous piece of wire carried around the ring B, and secured thereupon by staples in a zig-zag or undulating form, running alternately in and out of the vertical plane of the latter in such manner as to form a number of inwardly-extending radial projections *d d* on the inner side of the ring B, and the outer radial projections *d' d'* equal in number to the interior projections *d d*, as will be seen and readily understood by reference to Fig. 1. Between any two adjacent projections *d d*, on the inside, a space designed to permit the insertion and retention of the side of the broom-head is formed, while between any two adjacent projections *d' d'*, on the outside, is located a similar projection or compound arm *e*, made of one strip of wire bent in the form shown and secured intermediate of any two adjacent projections

d' d'; thus constituting spaces between projections *d' d'* and *e e* to receive and hold the broom-heads which are inserted on the outer side. The base ring B is suspended from the top disk by four flexible cords or ropes E E, respectively secured to the ring B at their lower extremities and at their upper ends run through perforations in the disk A and joined together, thus forming an apex or juncture where the pulley and cord F is attached.

G indicates another wooden disk the exact counterpart in form and construction of the top A, with the exception that it is of smaller diameter and is suspended horizontally by anchor-cords *f f*, tied to ropes E E at a predetermined point between the top A and the base ring B in such manner as to receive and support in position the handles of the smaller sized brooms the heads of which rest in the spaces on the inside of ring B, while the heads of the larger brooms are held in the spaces on the exterior of the said ring; thus the supplemental base ring shown in my former patent, as aforesaid, is dispensed with, making a saving in cost besides obviating the inconvenience previously experienced by the swing to and fro of the supplemental ring or base before mentioned.

The device as a whole is hung from the suspension-rope H, running over pulley I, secured to a suitable support from the ceiling of the store in which the rack is placed, and from thence along the wall the requisite distance to a second pulley J, over the latter and down within reach of the operator, where

it is provided with a ring L adapted to slip over and be held by a nail or similar catch on the side of the wall in order to prevent the weight of the rack from pulling itself down.

On the inner side and below the line of the projections *d d* are fastened a number eye-hooks *k k*, for the purpose of hanging thereon such articles as whisk - brooms, blacking-brushes, &c.

Having described my invention, what I claim is:

1. In a broom-rack, the combination with a top disk having loops for holding broom-handles, of a smaller disk of like construction but of smaller diameter suspended beneath the top disk, and a base-ring suspended beneath both disks and having spaces exteriorly and interiorly for the broom-heads, substantially as described.

2. In a broom-rack, the combination with a base-ring having receiving and holding spaces for the broom-heads both interiorly and exteriorly, said spaces being formed concentrically therearound, of suspension cords for said base-ring, and means for holding the handles of the brooms in a higher plane than that occupied by the broom-heads, substantially as described.

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.