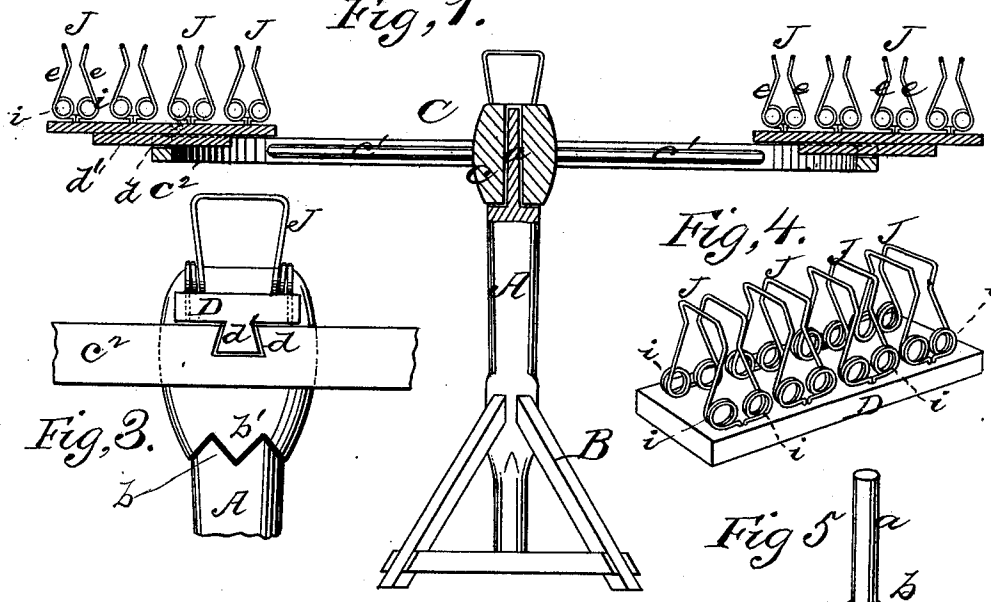
A. DAVIS.

Table for Holding Broom-Straw.

No. 219,921. Patented Sept. 23, 1879.

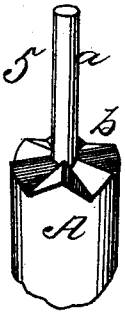
Fig, 1.



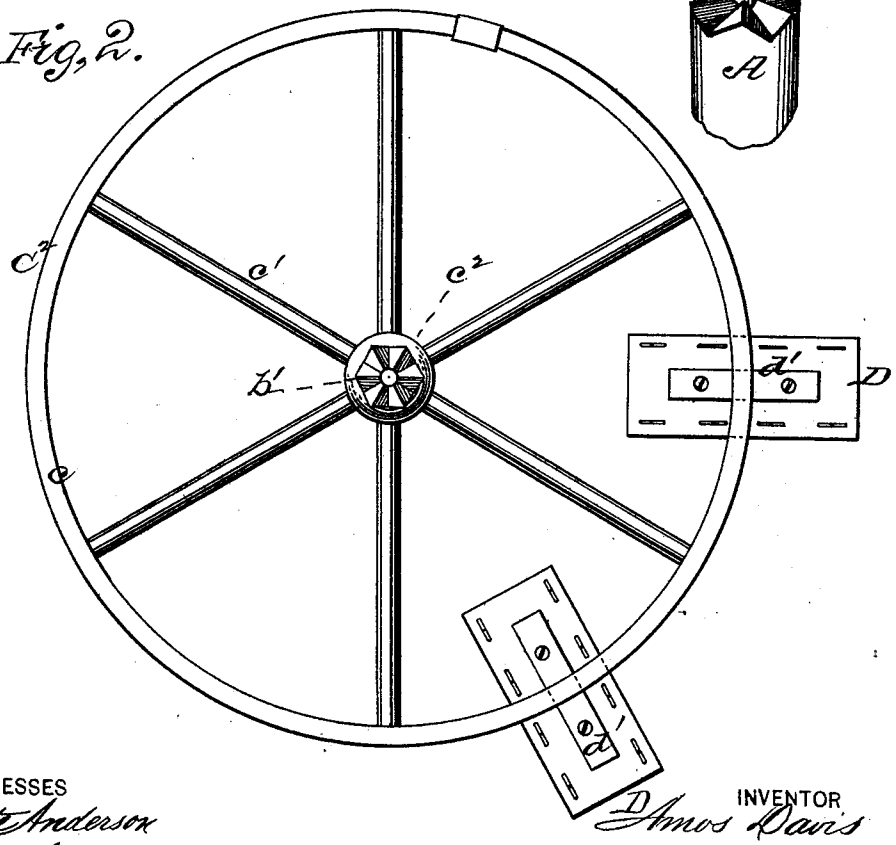
Fig, 3.

Fig, 4.

Fig 5



Fig, 2.



WITNESSES

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UNITED STATES PATENT OFFICE.

AMOS DAVIS, OF STUART, IOWA.

IMPROVEMENT IN TABLES FOR HOLDING BROOM-STRAW.

Specification forming part of Letters Patent No. **219,921**, dated September 23, 1879; application filed May 24, 1879.

To all whom it may concern:

Be it known that I, AMOS DAVIS, of Stuart, in the county of Guthrie and State of Iowa, have invented a new and valuable Improvement in Machines for Supplying Broom-Corn for Tying; 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 drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a cross-sectional view of my invention. Fig. 2 is a bottom view of the wheel; and Figs. 3, 4, and 5 are enlarged details.

This invention has relation to improvements in the manufacture of brooms.

The object of the invention is to devise an apparatus for holding broom-straw in assorted lengths, ready for the tyer or workman binding the straw upon the handle.

The nature of the invention will be fully explained hereinafter.

In the annexed drawings, the letter A designates an upright post, fixed into a suitable stand, B, and terminating above in a reduced spindle, *a*. The shoulder that this spindle forms with the body of the post is ratcheted, as shown at *b*.

C indicates a wheel, consisting of a hub, *c*, spokes c^1, and rim c^2, journaled on spindle *a*, and having its lower edge ratcheted, to correspond with the contiguous ratchet *b* of the post and engage therewith.

In the rim of the wheel are formed, at proper intervals, the transverse dovetail grooves *d*, designed to receive a correspondingly-shaped rib, *d'*, on the under side of a rectangular plate, D, on the upside of which are secured the spring broom-corn holders J. These are composed of two jaws, *e*, usually formed of wire, in the following manner: A piece of wire of suitable length is first bent into U form, and spring-coils *i* then made, in the usual way, in the legs or branches. The extremities of the legs are then passed through perforations in plate D and clinched; or I may adopt other modes or methods of fastening, if I see fit.

As shown in Fig. 4, the jaws are arranged in pairs, each pair constituting a broom-holder, and on each plate are a sufficient number of holders to carry enough straw of assorted lengths to make a broom.

The holders, being filled with straw, are passed onto the rim of the wheel and secured by means of the dovetail groove and rib against lateral displacement. The broom-maker, seated near the wheel, having exhausted one of the plates, seizes the wheel and gives it a turn sufficient to bring the next full plate within convenient reach. During the turn the hub-ratchet *b'* rises out of and falls into engagement with the post-ratchet. The engagement of these ratchets holds the wheel steady during the removal of the straw by the workman.

I do not wish to be understood as confining myself to the specific form of holding jaws or clips herein described, nor to the specific mode used in securing the plates to the rim, as there are many ways wherein these constructions may be varied from without going outside of the scope of my invention.

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

1. The machine for holding broom-corn, consisting of an upright, A, a wheel, C, rotating horizontally thereon, and the plates D, having spring clips or holders J, substantially as specified.

2. The combination of a wheel, C, having removable broom-holders D J at its rim, and a hub, *c*, ratcheted on its under side, with an upright having a rabbeted spindle, *a*, and ratcheted shoulder *b*, substantially as specified.

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

AMOS DAVIS.

Witnesses:

ROBERT KENWORTHY,

JOHN THOMAS GODWIN.