

(No Model.)

J. W. DAVIS.  
BROOM SUPPORT.

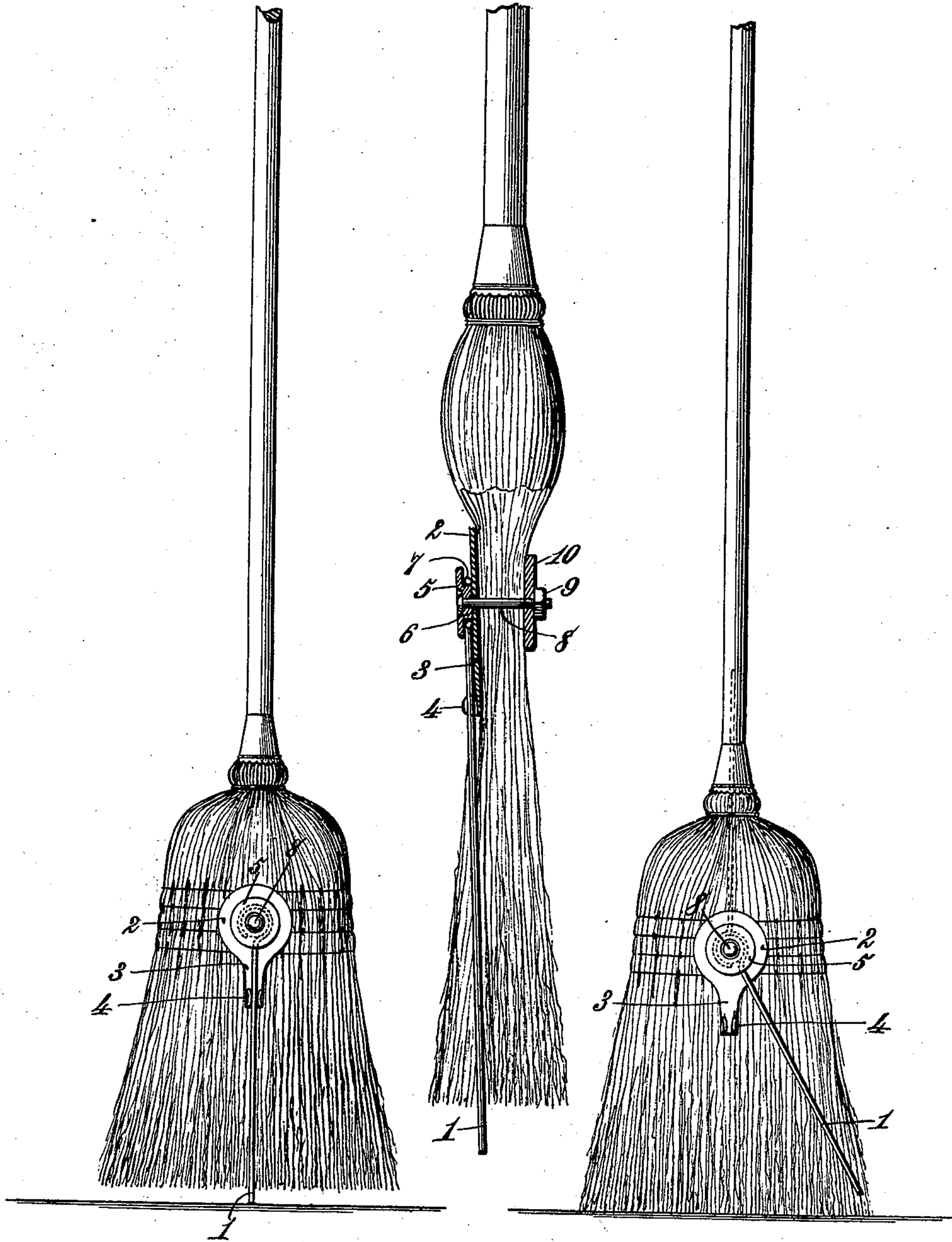
No. 539,357.

Patented May 14, 1895.

*Fig. 1.*

*Fig. 3.*

*Fig. 2.*



*Witnesses.*  
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# UNITED STATES PATENT OFFICE.

JOHN W. DAVIS, OF SALISBURY, NORTH CAROLINA.

## BROOM-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 539,357, dated May 14, 1895.

Application filed November 26, 1894. Serial No. 530,005. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN W. DAVIS, a citizen of the United States, residing at Salisbury, in the county of Rowan and State of North Carolina, have invented new and useful Improvements in Broom-Supports, of which the following is a specification.

This invention has for its object to provide a broom support that shall be independent of the broom handle and wholly attached to the brush or body portion of the broom in such manner that while turned in the proper direction the supporting device will prevent the brush splints from coming in contact with the floor when the broom is out of use and set aside, the said supporting device to be capable of rotation to one side and upwardly to any desired extent that will avoid obstructing the usual and proper employment of the broom when its service is required.

When a broom is permitted to stand on its brush end the splints will soon become injuriously bent by reason of the weight they are thus made to sustain, and in a short time the proper shape and efficiency of the broom will be very much impaired. This difficulty has in some cases been obviated by an attachment connected with and supported on the broom handle in such adjusted positions as to support the broom away from the floor or permit its contact therewith in sweeping. In these devices the supporting attachment has a sliding movement to change its adjustment on the broom handle and it requires a close and accurate fitting to the handle and broom head in order that the supporting device may remain in either one of its adjusted positions until it is desired to change the adjustment.

My invention contemplates a broom support that is altogether separate from and independent of the broom handle; it is wholly attached to the broom head and would perform its functions efficiently on a broom without a handle; and its efficiency is not affected by any variation in the size of the broom to which it may be attached, so that it can be readily taken from a worn out broom and usefully applied to a new one of different size.

The invention consists in the novel construction and combination of parts in a broom support attachable to the head of a broom and adapted to be turned in the proper direction

and to a locked position for supporting the broom splints away from the floor or be turned to a position that will permit the customary use of the broom, as hereinafter more particularly set forth.

In the annexed drawings, illustrating the invention, Figure 1 is an elevation of a broom provided with my improved supporting device or attachment turned to the position that will adapt it to keep the broom-splints away from the floor when the broom is set aside. Fig. 2 is a view showing the broom-support turned to a position that will permit the usual and required use of the broom. Fig. 3 is a section through the broom-head and its supporting attachment.

The broom support consists essentially of a rod 1 having a pivotal connection with the broom head in such manner that the said supporting rod may be readily turned to a position that will enable it to support the broom away from the floor, or to a position that will permit use of the broom for sweeping. This supporting rod 1 may be composed of a piece of suitably tempered and elastic wire, of appropriate length and diameter. On one side of the broom head is placed a centrally perforated metal plate 2 having on its lower edge a downward projecting arm or extension 3 provided with parallel lugs 4 at or near its extremity. Over this plate 2 is placed a centrally perforated metal disk 5 having on its under side a boss 6 around which snugly fits an eye 7 formed on the inner end of the rod 1, for which the said boss 6 serves as a pivot. A bolt 8 is passed through the disk 5 and plate 2 and through the broom head, on the opposite side of which it is confined by a nut 9 bearing against a broad surfaced washer 10 through which the bolt is also extended. Obviously this broad surfaced washer 10 will assist greatly to brace the bolt and nut and hold the supporting attachment in firm and secure connection with the broom head. By turning the elastic supporting wire or rod 1 downward and allowing it to snap into position between the locking lugs 4, the outer end of said rod will project beyond the broom splints and afford an adequate support for the broom so that the splints will not come in contact with the floor and will, consequently, not be subjected to bending and injury when the broom



is set aside, head downward. The locking lugs 4 will hold the extended or downwardly turned supporting rod 1 securely, so that it will not be liable to slip or turn aside under the weight of the broom.

In applying the supporting attachment to broom heads of different sizes, or in changing the attachment from an old broom to a new one, it can be placed at such suitable height on the broom head that the rod, when extended or turned downward, will project properly beyond the splints. The device is, therefore, readily applicable to broom heads of various dimensions, without affecting its efficiency, as the supporting rod or wire 1 may be long enough to allow for considerable variation in the length of the broom head or brush, or the device may be attached slightly higher or lower on the broom head, as circumstances may require.

When the broom is to be used, the rod or wire 1 should be lifted out from between the locking lugs 4 and swung upward toward the handle where it will be held in position by its pressure against the broom head and will in no wise interfere with the customary use of the broom.

With reasonable care this broom supporting device will last many years, and its construction is such that it may be readily detached from a broom that has become worn out or disabled and be further utilized by attachment to the head of a new broom whether of

the same size as the old one, or of different dimensions.

What I claim as my invention is—

1. The combination with a broom, of a supporting attachment pivotally secured to the broom head and adapted to be swung into position to project beyond the lower end of the broom to serve as a support therefor or be swung upward to permit use of the broom, substantially as described.

2. The combination with a broom, of a supporting rod or wire pivotally secured to the broom head and adapted to be swung into a downward position to project beyond the lower end of the broom, and means for locking the said supporting rod in its downwardly swung position, substantially as described.

3. In a broom support for attachment to a broom head, the combination of the pivotal supporting rod 1, the plate 2 having an arm or extension provided with locking lugs 4 to receive the said rod in its supporting position, the disk 5, between which disk and plate is received an eye on the pivotal end of the supporting rod, the bolt 8, nut 9 and washer 10, substantially as described.

In testimony whereof I have hereunto set my hand and affixed my seal in presence of two subscribing witnesses.

JOHN W. DAVIS. [L. S.]

Witnesses:

J. M. MONROE,

J. F. MCCUBBINS.