July 23, 1940. E. J. VEEDER 2,208,741

DETACHABLE HANDLE

Filed Dec. 13, 1938

Fig. 1.

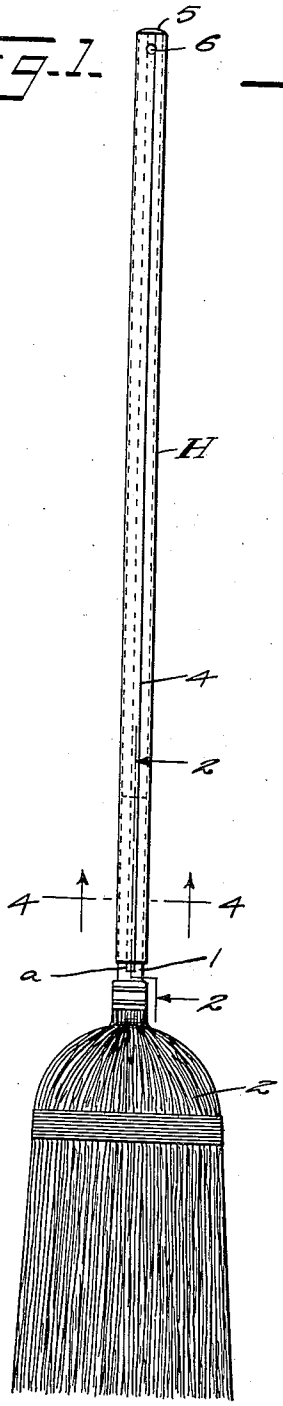


Fig. 2.

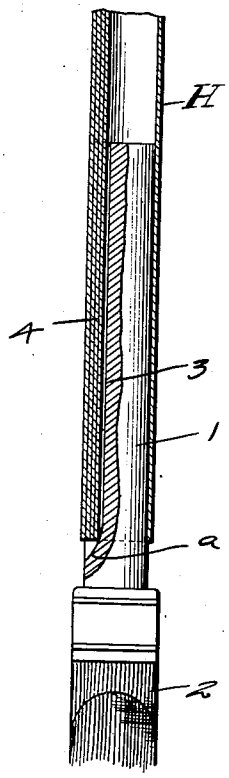


Fig. 3.

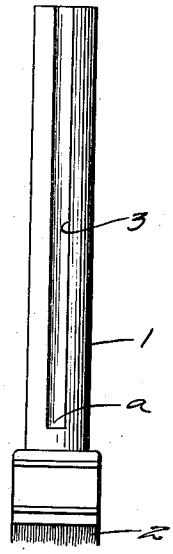
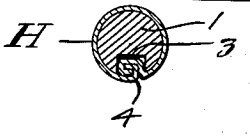


Fig. 4.



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DETACHABLE HANDLE

Edwin J. Veeder, Hillsdale, Mich.

Application December 13, 1938, Serial No. 245,472

1 Claim. (Cl. 306—22)

This invention relates to a detachable handle and has relation more particularly to a handle of this kind for use in connection with a broom or kindred article.

It is a particular object of the invention to provide a handle which can be quickly and effectively applied to a broom head or the like whereby such broom head or the like when worn out can be readily replaced.

The invention consists in the details of construction and in the combination and arrangement of the several parts of my improved detachable handle whereby certain important advantages are attained and the device rendered simpler, less expensive and otherwise more convenient and advantageous for use, as will be hereinafter more fully set forth.

The novel features of my invention will hereinafter be definitely claimed.

In order that my invention may be the better understood, I will now proceed to describe the same with reference to the accompanying drawing, wherein—

Figure 1 is a sectional view of a broom structure embodying my invention;

Figure 2 is an enlarged fragmentary sectional view taken substantially on the line 2—2 of Figure 1;

Figure 3 is a fragmentary view in elevation of the dowel herein comprised;

Figure 4 is a sectional view taken substantially on the line 4—4 of Figure 1.

As disclosed in the accompanying drawing, 1 denotes a dowel of wood to one end portion of which is operatively engaged a broom head 2 or the like. The dowel 1 is provided along the major portion thereof with a groove 3 open at the outer end of the dowel 1 and with the inner end portion of the groove 3 having its base wall *a* disposed upwardly or outwardly on a predetermined curvature. The dowel 1 is preferably of wood so that the groove 3 with the curved base portion *a* thereof can be readily produced by a circular saw although I do not wish to be understood as limiting myself to any particular material or method of manufacture.

The handle member H is preferably formed of sheet steel and the sheet is rolled upon itself to provide a substantially tubular member with the connecting seam 4.

This seam 4 provides a rib or bead extending inwardly of the handle member and lengthwise thereof.

The outer end of the handle member H is closed, as at 5, in any desired manner and said closed end portion is provided therethrough with an opening 6 to provide means for suspending the handle and its associated head when not in use.

The opposite end portion of the handle member H is open whereby is provided a socket to snugly receive the outer portion of the dowel 1 with the seam 4 engaging within the groove 3. The seam 4, or more particularly the end portion thereof, contacts with the base portion *a* of the groove 3 and rides up thereon. This connection between the handle member H and the dowel 1 assures a tight and firm connection which will last during the life of the head 2. This connection or joinder, however, may be separated by proper pull upon either the dowel 1 or the handle member H.

From the foregoing description it is thought to be obvious that a detachable handle constructed in accordance with my invention is particularly well adapted for use by reason of the convenience and facility with which it may be assembled and operated, and it will also be obvious that my invention is susceptible of some change and modification without departing from the principles and spirit thereof and for this reason I do not wish to be understood as limiting myself to the precise arrangement and formation of the several parts herein shown in carrying out my invention in practice except as hereinafter claimed.

I claim:

In combination with a broom head or the like having an outstanding dowel, said dowel having a groove extending lengthwise thereof and open at the outer end of the dowel, the inner end of the groove being closed with the base wall of the groove immediately adjacent to said inner closed end outwardly curved, a tubular handle member open at one end, said handle member including a connecting seam extending inwardly thereof along, the dowel telescoping within the handle member thru the open end thereof with the seam of the handle member within the groove of the dowel, the curved portion of the base wall of the groove and the adjacent end portion of the seam of the handle member having close contact, the curved portion of the base wall of the groove serving as a cam to cause the handle member to tightly hold the handle member to the dowel.

EDWIN J. VEEDER.