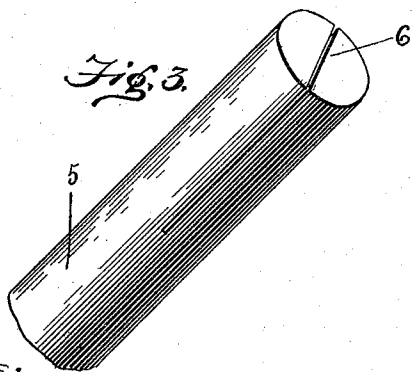
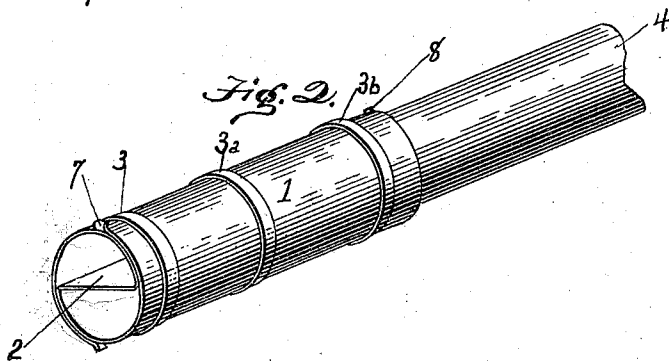
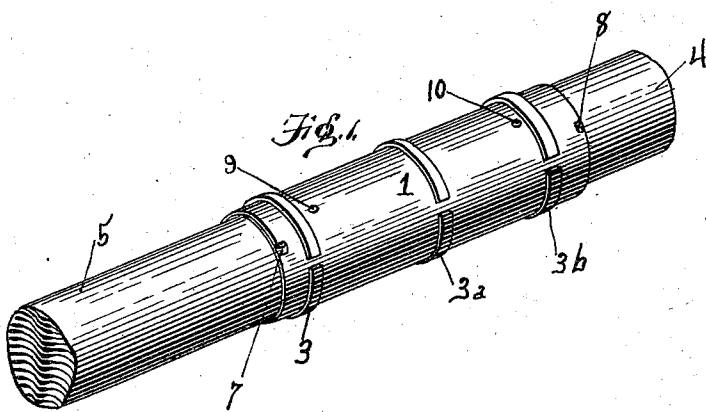


(No Model.)

M. E. REILLY.
DETACHABLE BROOM HANDLE.

No. 545,911.

Patented Sept. 10, 1895.



Witnesses:

Mr Fowler Jr
Clara Slater

Inventor:

Michael E. Reilly
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Attorneys

UNITED STATES PATENT OFFICE.

MICHAEL EDWARD REILLY, OF WALLACE, IDAHO.

DETACHABLE BROOM-HANDLE.

SPECIFICATION forming part of Letters Patent No. 545,911, dated September 10, 1895.

Application filed April 19, 1895. Serial No. 546,376. (No model.)

To all whom it may concern:

Be it known that I, MICHAEL EDWARD REILLY, a citizen of the United States, residing at Wallace, in the county of Shoshone and State of Idaho, have invented a certain new, useful, and valuable Improvement in Detachable Broom-Handles, of which the following is a full, clear, and exact description.

My present invention relates to detachable broom-handles, and has for its object to provide such a simple, practicable, and economical device as will commend itself to the public generally.

It is the purpose of my invention to provide a coupling for broom and other handles, so that the latter may be readily detached from an old or worn-out broom-head or the like and placed upon a new one, the object being to reduce the cost of manufacture of such articles by limiting the number of handles used, or, in other words, making the handles detachable, so that one may be used for several broom-heads.

To these ends my invention consists in the novel features of construction and new arrangement of parts in a sheet-metal coupling for broom and other handles, as hereinafter described and claimed.

In the accompanying drawings, forming a part of this specification, Figure 1 is a perspective view showing the section of both broom head and handle secured together by my improved sleeve. Fig. 2 is a similar view having the broom-head removed. Fig. 3 is a perspective view of the stem of the broom-head, having a longitudinal saw-cut.

Like numerals of reference indicated the same parts recurring in several views.

My improved sleeve 1, forming the leading feature of my invention, is made of sheet metal bent so that it has a cylindrical form and having a longitudinal shelf or cross-piece 2 extending the entire length of the sleeve, it being observed that the entire sleeve, including the shelf 2, is formed of one piece of sheet metal. Surrounding the sleeve is a se-

ries of bands 3 3^a 3^b, which tend to decrease the diameter of the sleeve, and thus tightly bind the handle 4 to the stem 5. The latter is slit at 6, as shown in Fig. 3, so as to straddle the shelf 2 when inserted in the sleeve. The end of the handle must also have a longitudinal saw-cut, as shown in Fig. 3. In order to prevent the bands 3 from slipping off, I provide the turn-up lips 7 8 at either end of the sleeve, as shown. As a further protection I provide brads 9 10, extending through the sleeve into the wood underneath.

Supposing that it is desired to remove the stem 5 and replace it with another, then remove the brads 9 10 and slip the two bands 3 3^a toward band 3^b, which will cause the sleeves to slightly open at the end from which the bands have been slipped away from, allowing the stem 5 to be removed and substituted by another having the same size stem and saw-cut 6, after which the bands 3 3^a are forced back into position, thus tightening the sleeve on the stem of the new head.

Instead of the slit bands, I may employ solid bands, in which case the sleeve would be slightly tapered.

Many minor changes may be made without avoiding the spirit of my invention.

What I claim is—

A coupling for a detachable broom handle consisting of an open sheet metal sleeve having a portion thereof bent transversely through its center to form a longitudinal partition through the same, and a series of bands surrounding said sleeve and adapted to compress it, in combination with the stem and the handle, each of which has one of its ends provided with a longitudinal slit that engages the partition through the sleeve, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

MICHAEL EDWARD REILLY.

Witnesses:

REMI KEYZER,
JOHN M. FINN.