

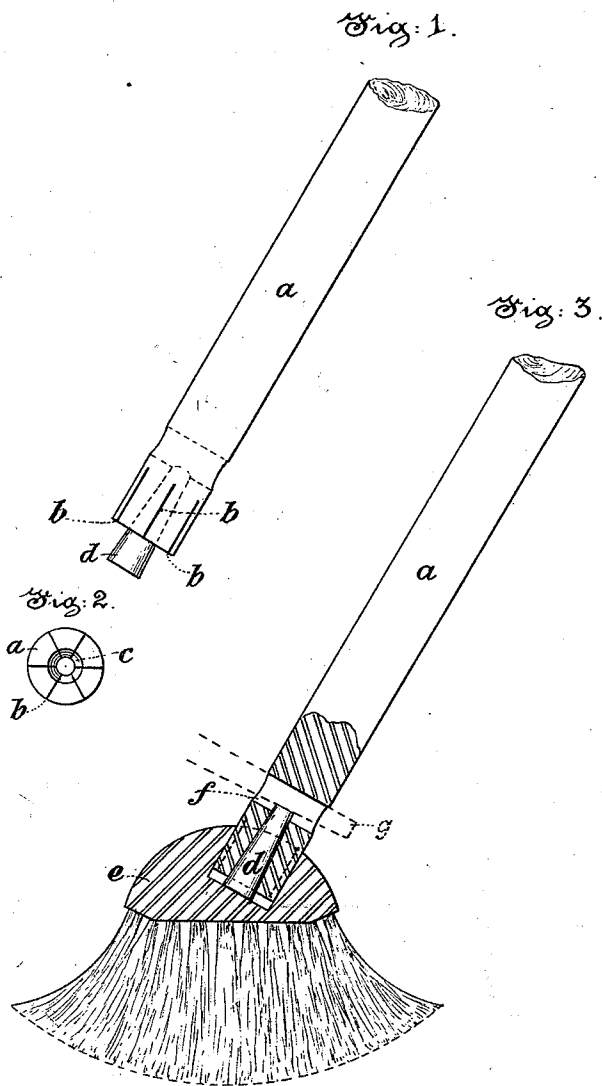
(No Model.)

S. GREEN.

MEANS FOR ATTACHING HANDLES TO HEADS OF BROOMS.

No. 520,984.

Patented June 5, 1894.



Witnesses.

George Baumann

Albert Popkins

Inventor

Squire Green

By his Attorneys

Horson and Horson

UNITED STATES PATENT OFFICE.

SQUIRE GREEN, OF STRETFORD, ASSIGNOR TO HUGO EWALD WOLLMER, OF
MANCHESTER, ENGLAND.

MEANS FOR ATTACHING HANDLES TO HEADS OF BROOMS.

SPECIFICATION forming part of Letters Patent No. 520,984, dated June 5, 1894.

Application filed July 28, 1893. Serial No. 481,690. (No model.)

To all whom it may concern:

Be it known that I, SQUIRE GREEN, a subject of the Queen of Great Britain and Ireland, residing at Stretford, in the county of Lancaster, England, have invented Improved Means for Attaching Handles or Stails to the Heads of Brooms, Brushes, and Similar Articles, of which the following is a specification.

The principal object of this invention is to provide means for firmly attaching the handles or stails to the heads of brooms and brushes, but the invention is also applicable for other similar purposes where it is desirable to firmly attach a handle or stail of wood to any other similar tool or utensil.

The invention will be readily understood from the following description on reference to the accompanying sheet of drawings, on which—

Figure 1 is an elevation of the handle or stail and peg detached. Fig. 2 is an underneath end view thereof, with the peg removed and Fig. 3 is a sectional elevation showing the handle fixed into a broom head.

For the purpose of this invention I make in the end of the handle or stail *a* three or more radial saw cuts *b*, crossing each other and of a convenient depth, say for example, one inch; and in the center thereof I bore in the direction of the axis of the handle or stail *a* a taper hole *c* of a slightly greater depth and I provide a taper or conical peg *d* of hard wood or other suitable material to fit into the same and of such length that the thick end of the same projects as seen at Fig. 1.

The usual hole is bored in the broom head *e*, or other tool or utensil, partly through the

same having a recess closed at the bottom and when the split end of the handle or stail *a* (with the taper peg *d* in it) is driven into the hole the thick end of the peg *d* coming against the bottom of the hole causes the split end of the handle *a* or stail to be expanded in all directions, outward, and thus to become firmly fixed in the hole in the broom head *e* or other article, and owing to the number of the saw cuts or slits *b* the liability to split the end of the handle *a* by driving in the taper peg *d* is reduced to a minimum. Above the inner end of the taper peg *d* and clear of the saw cuts I make a hole or slot *f* transversely through the handle or stail *a* so that when it is required to remove the same a metal or other wedge *g* shown dotted on Fig. 3 or other convenient instrument can be forced therein which coming against the smaller end of the peg *d* will force the same outward and thus release the broom head *e*.

I claim—

The combination of a broom head or other article having a recess therein, with a handle provided at one end with a number of slits or cuts crossing each other, a central hole in the direction of its length, a transverse hole into which the said central hole opens, and a conical peg to enter said central hole, substantially as and for the purposes set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

SQUIRE GREEN.

Witnesses:

GEORGE DAVIES,
CHARLES A. DAVIES.