

UNITED STATES PATENT OFFICE.

RICHARD RABY, OF YORK, PENNSYLVANIA.

BROOM-HEAD.

SPECIFICATION forming part of Letters Patent No. 536,296, dated March 26, 1895.

Application filed December 20, 1894. Serial No. 532,451. (No model.)

To all whom it may concern:

Be it known that I, RICHARD RABY, a citizen of the United States, residing at York, in the county of York and State of Pennsylvania, have invented certain new and useful Improvements in Broom-Heads, of which the following is a specification.

My invention relates to an improved broom-head.

The object of the invention is to provide a device of this kind which is simple, light and cheap, and which may be very readily opened for the insertion of new broom straw and securely closed in order to clamp or hold the straw in the form of a broom.

The invention will be hereinafter fully described in connection with the accompanying drawings, in which—

Figure 1 is a perspective view showing the two parts of the holder separated and a filling device in position to receive and confine the straw therein. Fig. 2 is a perspective view of the broom-head or holder closed and Fig. 3 is a partial section on the line *a-a* of Fig. 2.

My improved broom-head consists of two separable sections each having two side arms 1, lower connecting bars 2 which form the clamp to hold the broom straw, and upper cross bars or plates 3 which confine the ends of the straw between them. The main section A has also a flat top plate 4 which, together with the side bars 3, forms a box-like receptacle for the ends of the straw. Extending upward from the center of this plate is a socket 5 to receive the handle of the broom. The ends of the plate 4 are cut away for half their depth, as at 6, to receive the upper ends of the arms 1 of the removable section B. Upon the front edge of the top plate 4 is a series of semi-circular or curved projections or hooks 7. The smaller, and detachable section B has its side arms 1 extending slightly above the plate 3 and fitting the notches or recesses 6 in the plate 4. On the upper edge of the cross plate 3 is a series of outwardly projecting lugs 8 fitting within and corresponding in number and position to the curved hooks 7 of the main section A. The lower

ends of the arms 1 of one of the sections are cut away as shown at 9 on the section B; and the lower ends of the arms 1 on the other section have projections or feet 10 which extend from one clamping plate 2 to the other, fitting the space adjacent to the beveled ends 9. These feet 10 prevent the straw from working out through the side seams between the arms of the sections when the broom is in use.

To fill the broom-head, the section A is placed in the position shown in Fig. 1 and a sheet iron filling piece C having its ends bent up, and adapted to fit between the arms 1, is placed in position as shown in said figure. The straw is then laid in the filling piece and spread out, the ends being placed on the cross plate 3 and against the top plate 4. The upper section B is then placed in position with the projections 8 in the hooks 7 and the ends of the arms 1 in the recesses 6. The projections 8 and hooks 7 form hinges which securely hold the upper part of the section B while the lower part is being pressed down upon the straw. Upon the bars 2 are a series of teeth 11 which prevent the straw from shifting after it is properly placed in the holder. The clamping plates 2 are finally connected securely together by means of screws 12 or other suitable fastening devices.

It will be evident that the hinging hooks and projections 7, 8 together with the extensions of the arms 1 which fit in the recesses 6, provide very simple and effective means of fastening the two sections together and holding them secure from any relative movement.

The two parts composing my improved broom-head are very simple in design and can be cheaply made of cast malleable metal.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

As a new article of manufacture, a broom-head composed of two separable sections each section having two side arms, an upper cross-plate 3, and a lower clamping bar; one of said sections having a flat top plate 4 provided with a socket for the handle and with recesses in its ends opposite the arms of the other sec-

tion, said top plate 4 having curved extensions or hooks 7 on its forward edge; and the other section having its side arms extended upward to fit the recesses of the plate 4 and
5 having shoulders or projections 8 on the cross plate adapted to fit and co-operate with the hooks 7 to hinge the sections together, the side arms 1, cross-plates 3, and top 4 forming

a box-like receptacle for the broom ends, substantially as described.

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

RICHARD RABY.

Witnesses:

T. W. MYTON,
D. A. EBERLE.