

(No Model.)

D. F. COOK & H. U. ABBOTT.
BROOM HEAD.

No. 568,836.

Patented Oct. 6, 1896.

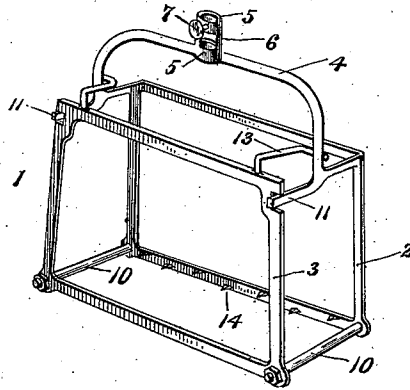


FIG. 1.

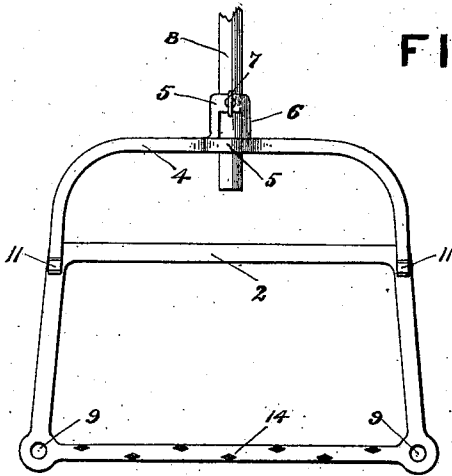


FIG. 2.

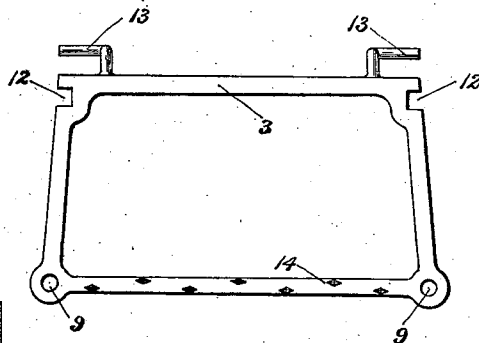


FIG. 3.

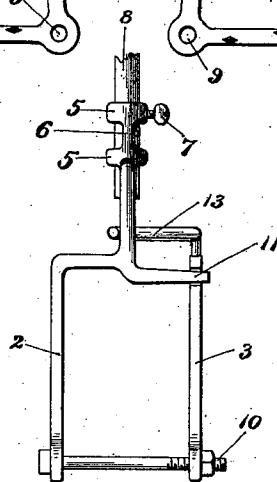


FIG. 4.

Witnesses

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By their Attorneys,

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UNITED STATES PATENT OFFICE.

DAVID F. COOK AND HAMER U. ABBOTT, OF CONVERSE, INDIANA.

BROOM-HEAD.

SPECIFICATION forming part of Letters Patent No. 568,836, dated October 6, 1896.

Application filed January 28, 1896. Serial No. 577,146. (No model.)

To all whom it may concern:

Be it known that we, DAVID F. COOK and HAMER U. ABBOTT, citizens of the United States, residing at Converse, in the county of Miami and State of Indiana, have invented a new and useful Broom-Head, of which the following is a specification.

This invention relates to broom-heads; and the object in view is to provide a suitable frame made in separable and adjustable sections, the said sections being adapted to receive and confine between them the broom-straw and clamp the same in compact shape and to be readily separated for allowing the stubs of the old straws to be removed and a new supply introduced therein.

The invention consists in an improved broom-head embodying certain novel features and details of construction, as hereinafter fully described, illustrated in the drawings, and finally pointed out in the claim.

In the accompanying drawings, Figure 1 is a perspective view of the broom-head constructed in accordance with this invention. Fig. 2 is an inside elevation of one of the frame-sections. Fig. 3 is a similar view of the other section. Fig. 4 is a side elevation of the completed broom-head.

Similar numerals of reference designate corresponding parts in the several figures of the drawings.

Referring to the accompanying drawings, 1 designates the improved broom-head, which comprises two sections—a main section 2 and an independent and separable section 3. Each of these sections is of open rectangular form, with the end bars thereof converging upwardly. The main section 2 is provided with an arch 4, formed, preferably, in one piece therewith, the said arch being provided at its center with a broom-handle socket composed of upper and lower rings or collars 5, joined by upright connecting portions 6. One of said rings 5, preferably the upper one, has an opening through which is inserted a binding-screw 7, whereby the handle (indicated at 8) may be held within its socket. The main frame 2 is provided at its opposite lower corners with openings 9, and the frame 3 is correspondingly apertured for the purpose of receiving clamping-bolts 10, by which the broom-straws

may be held firmly between the opposing frames.

The main section 2 is provided adjacent to its opposite upper corners with lateral horizontal guide-arms 11, which extend toward the other section and between which the other section is received. The opposing section is provided in its side bars and near its upper corners with notches 12, which embrace the arms 11 and preserve the proper relation between the two sections as the clamping-bolts 10 are tightened. The frame 3 is further provided with angular extensions or hooks 13, which are connected rigidly to the upper bar of the section 3 and extended transversely and also longitudinally, so that their extremities may be passed through the arch 4 and brought to bear upon the reverse side of the arch, as clearly shown in Fig. 1, this construction serving as the upper connection between the sections 2 and 3, while the bolts 10 form the lower connection. The lower bars of the sections are provided upon their inner adjacent faces each with a series of barbs 14, arranged in staggered relation, and the barbs of one section are preferably arranged to alternate with those of the opposing section and thus to engage the broom-straws at various points and prevent the same from slipping laterally.

In practice the broom-straws are laid with their heads upon the main section 2 of the frame and between the transverse arms or bars 11, which thus serve to hold the same in place during the construction of the broom. The supplemental section 3 is then applied by bringing its notches 12 into engagement with the arms 11, after having first introduced the hooks 13 through the arch and brought the same to bear against the reverse side thereof. The clamping-bolts 10 are then introduced through the openings 9 and tightened sufficiently to firmly clamp the broom-straws against displacement.

It will be apparent that changes in the form, proportion, and minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

Having thus described the invention, what is claimed as new is—

A broom-head comprising opposing frames
or sections adjustable relatively to each other,
one of said sections having guide-arms which
project transversely toward the opposing sec-
5 tion and slidingly engage notches therein,
hooks on the notched section adapted to en-
gage under the arch of the other section, and
provision for connecting the sections at their
lower portions, the transverse arms serving
10 to prevent relative vertical movement of the
notched section and also serving to confine

the straw between them, substantially as de-
scribed.

In testimony that we claim the foregoing as
our own we have hereto affixed our signatures 15
in the presence of two witnesses.

DAVID F. COOK.
HAMER U. ABBOTT.

Witnesses:

SAMUEL L. STRICLER,
JACOB F. DROOK.