

W. D. STROUD.

Broom Head.

No. 56,119.

Patented July 3, 1866.

FIG. 1.

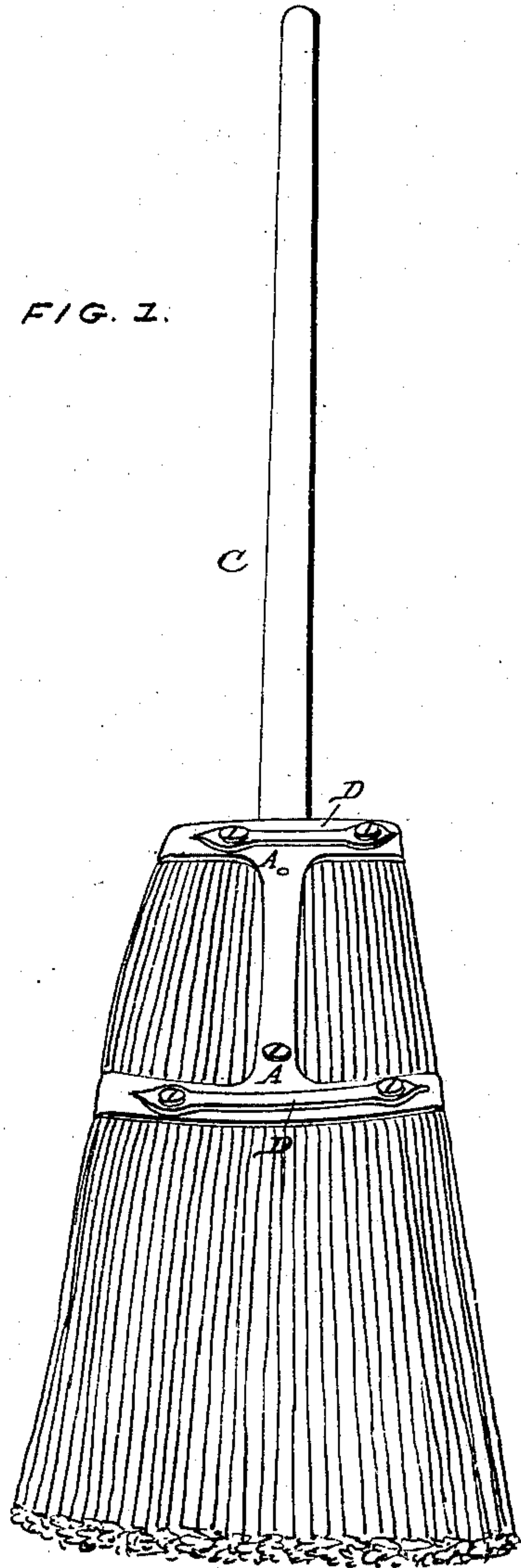
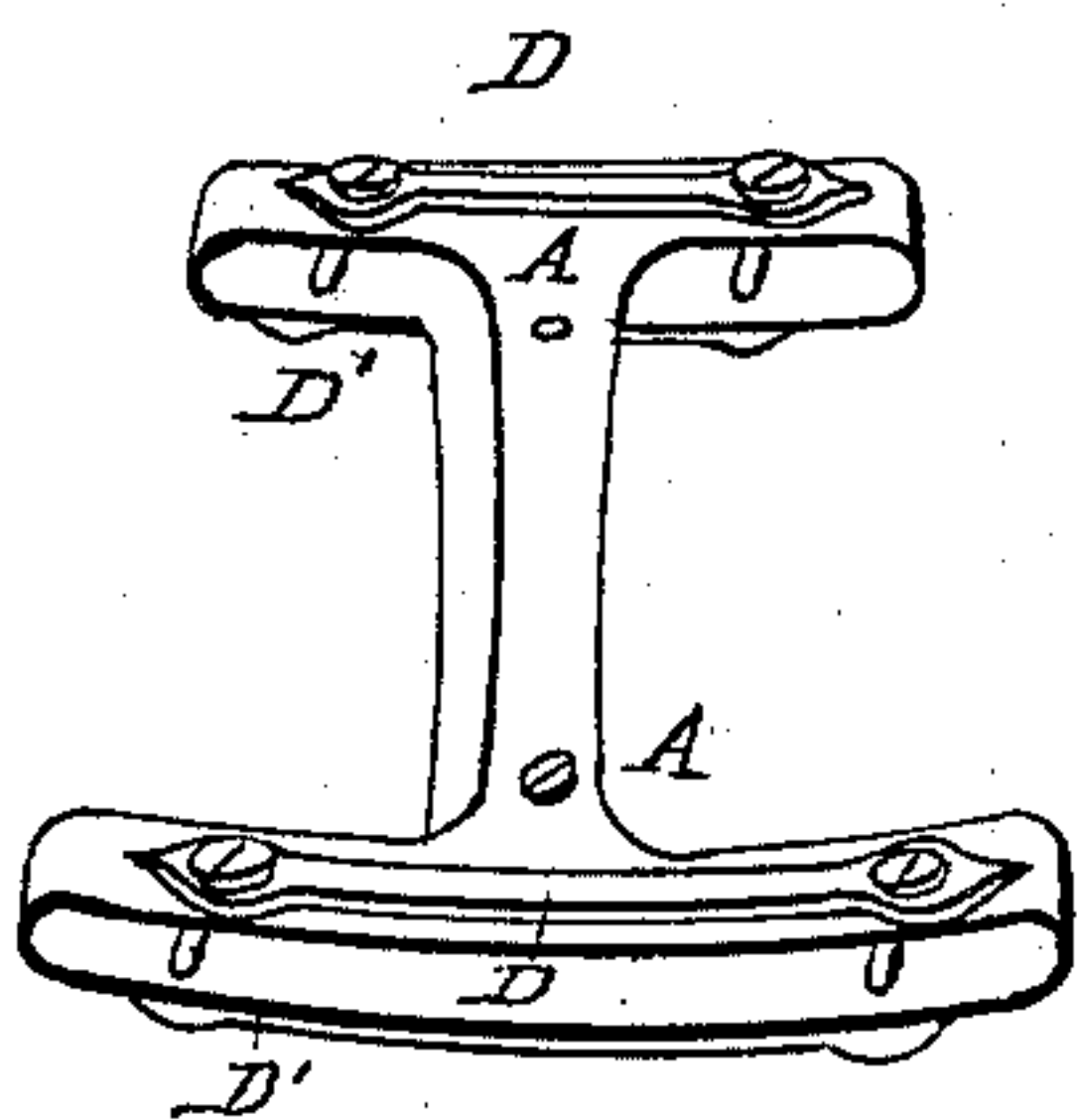


FIG. 2.



WITNESSES:

W. E. Ritch
Geo. H. Stroud

INVENTOR.

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UNITED STATES PATENT OFFICE.

WILLIAM D. STROUD, OF OSHKOSH, WISCONSIN.

IMPROVEMENT IN BROOM-HEADS.

Specification forming part of Letters Patent No. 56,119, dated July 3, 1866.

To all whom it may concern:

Be it known that I, WILLIAM D. STROUD, of the city of Oshkosh, in the county of Winnebago and State of Wisconsin, have invented a new and Improved Device for a Broom-Head, whereby the same head and handle may, by re-filling, as the broom becomes worn and unfit for use, be used indefinitely; and I do hereby declare that the following is a full, clear, and exact description of the construction and mode of using the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a perspective view of the broom complete; Fig. 2, a perspective view of the head with binders and screws, wherein A A is the frame of the head; D D D' D' are binders; C, a handle.

The head is made of tin or brass, or other flexible metal, in the form of two parallel bands, connected rigidly on each side in the center by a strip at right angles with the bands. The bands are of a length adapted to the conical shape of the broom, and with holes, at or about one-quarter their length from the ends, to receive the screws that secure the binders. The broom-handle is riveted or screwed to the center connecting-strip. The head is now ready for the filling. On being filled the binders are placed one on each side of each band and the whole firmly secured with screws through the bands and binders, and the broom is ready for use.

The bands of the broom-head A are made of flexible material, in order that they may more readily permit the insertion of the broom-straw, while the binders D D are rigid, to give greater strength to the broom-head after it is

filled. By allowing an open space between the upper and lower bands of the broom-head, in contradistinction to forming the head in one piece, decided advantages are obtained, viz: The broom is thus rendered much lighter—an important consideration—and, also, by reason of the open space between the bands, the brush or straw can be much more easily inserted into the broom-head, as any kink or entanglement of the straw can be readily seen and remedied by the hand, which is not the case if the broom-head has no open space; and there is a decided advantage, also, in the broom-heads being open at the top, around the handle, as it can be more readily filled, the broom-straw not having to be cut off at the butt until it is screwed up.

It will thus be readily perceived that a broom-head constructed as mine has the advantages over those in which the flexible material is made in one piece without an open space of lightness, and much less trouble in filling the broom-head, when desired.

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

A broom-head made of flexible bands connected by a rigid strip, with an open space between the bands and an open space around the handle, as described, in combination with the rigid binders D D and handle C, the whole being constructed and operated substantially in the manner and for the purpose set forth.

W. D. STROUD.

Witnesses:

W. G. RITCH,
GEO. F. STROUD.