

C. H. SORENSEN.
BROOM HOLDER.
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974,998.

Patented Nov. 8, 1910.

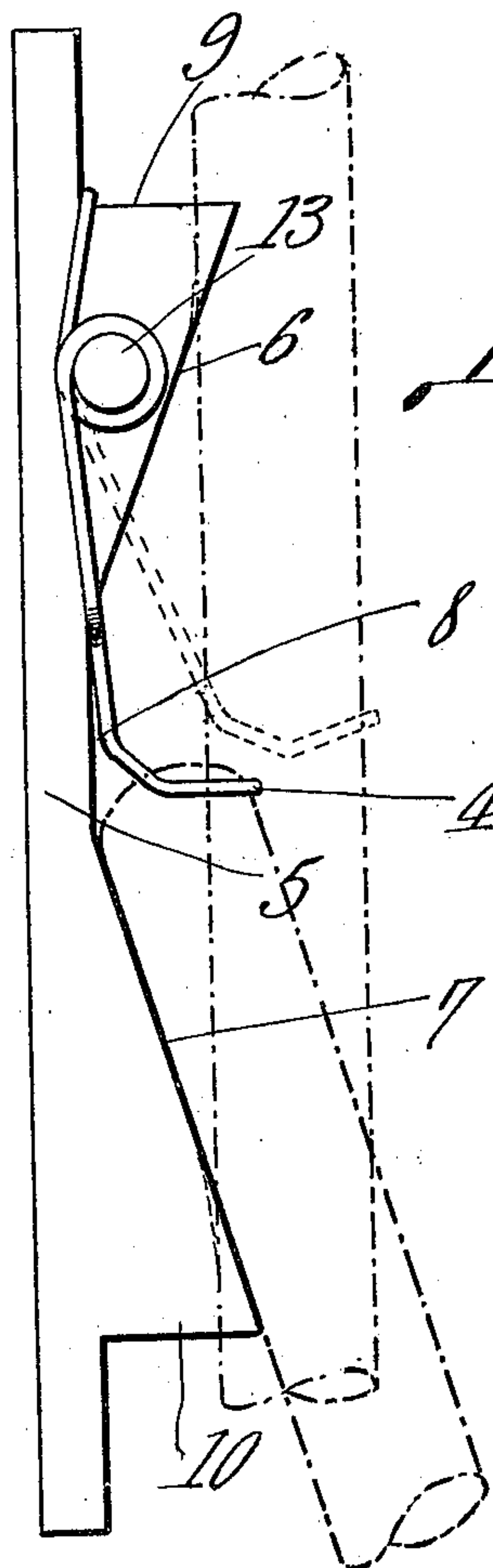


Fig. 1.

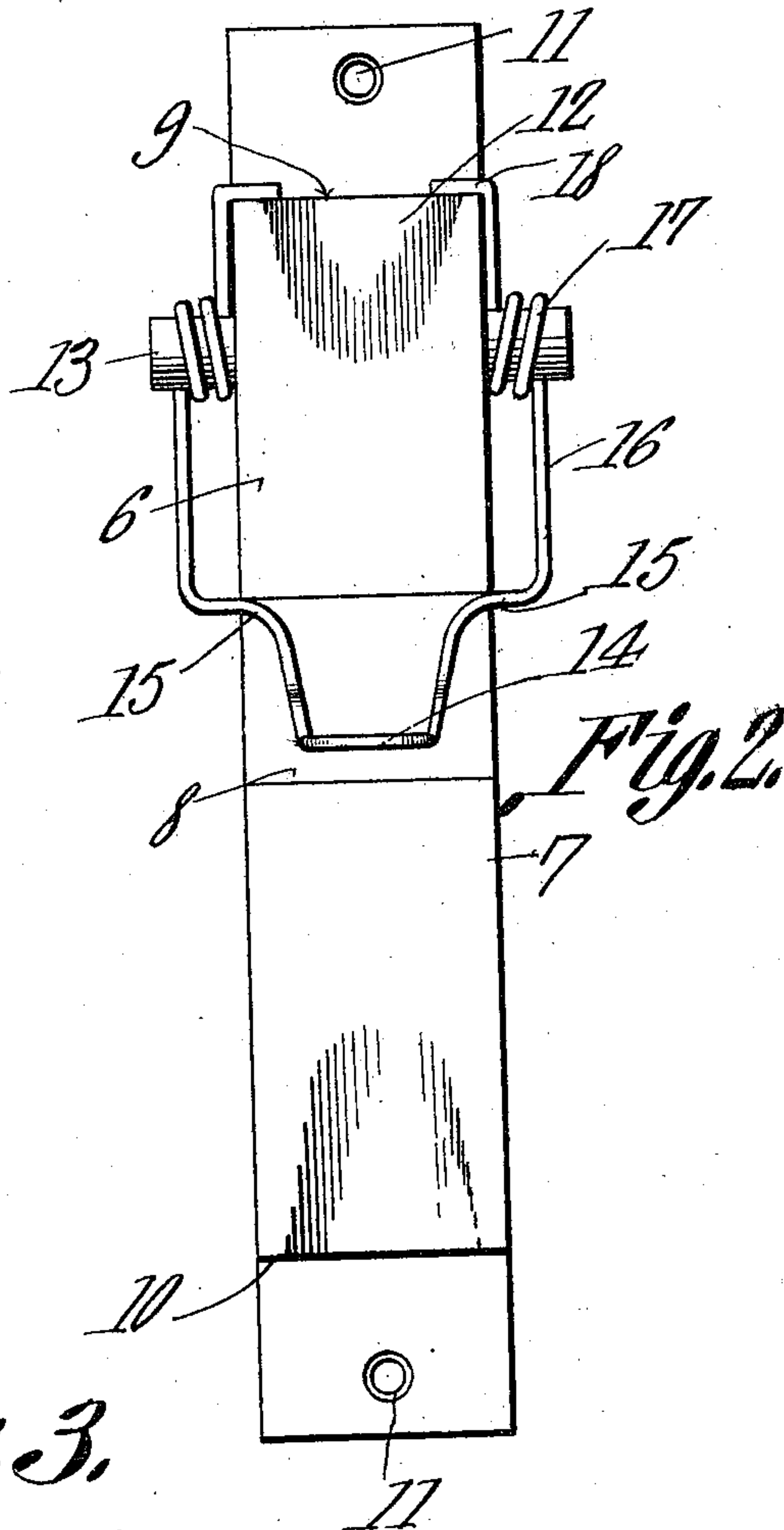


Fig. 2.

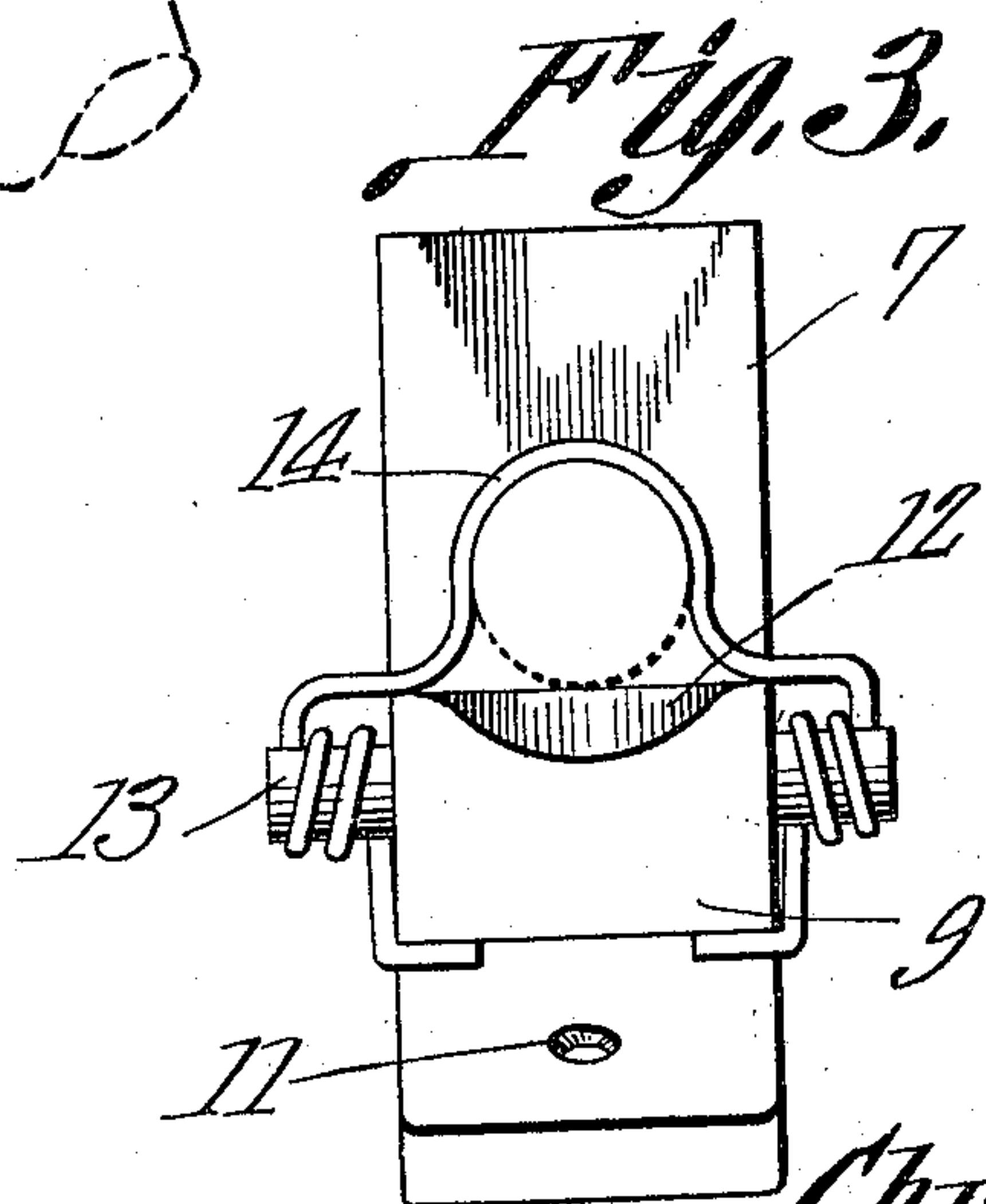


Fig. 3.

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Witnesses

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UNITED STATES PATENT OFFICE.

CHRISTEN H. SORENSEN, OF CLINTON, MINNESOTA.

BROOM-HOLDER.

974,998.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CHRISTEN H. SORENSEN, a citizen of the United States, residing at Clinton, in the county of Bigstone and State of Minnesota, have invented a new and useful Broom-Holder, of which the following is a specification.

It is the object of the present invention to provide an improved construction of broom holder and the invention relates more particularly to the class of these devices which are intended to be mounted upon a wall or other suitable support and are arranged to frictionally grip the handle of a broom when said handle is disposed between the gripping portions thereof and one of the primary aims of the invention is to so construct the broom handle gripping member of the device that the initial engagement of the broom handle with the device may be readily accomplished although the handle will be firmly gripped after it has been completely engaged therewith or inserted therein.

With the above and other objects in view, the invention consists in the construction and arrangement of parts substantially as shown in the accompanying drawings, in which,

Figure 1 is a side elevation of the device embodying the present invention, the same being shown in normal position in full lines and the gripping member thereof being shown in dotted lines in the position which it assumes when a broom handle is inserted therebetween, there being shown also in the said figure, in heavy dot and dash lines, a broom handle in the initial position assumed when being inserted beneath the broom handle gripping member of the device and in light dot and dash lines the final position assumed by the said handle; Fig. 2 is a front elevation of the device; and, Fig. 3 is a top end view of the device.

In the drawings, the body of the device is indicated in general by the reference numeral 5 and is illustrated as being in the form of a block and this block is flat upon its rear face whereby it may be disposed flat against a wall or other support upon which it is to be secured but has its forward side so cut away as to afford synclinal surfaces 6 and 7, the surface 6 being presented downwardly forwardly and the surface 7 being presented forwardly upwardly, there being a comparatively flat surface portion 8 be-

tween the two surface portions 6 and 7 as is clearly shown in Fig. 1. At the upper end of the surface portion 6 the block is formed with a shoulder 9 and a similar shoulder 10 is formed at the lower end of the surface portion 7, the end portion of the block above and below these two shoulders 9 and 10 respectively being formed with openings 11 through which may be inserted securing screws or nails (not shown).

It will be observed that the surface portion 6 at its upper end and the surface portion 7 at its lower end are transversely concave as at 12 to substantially conform to the cross sectional contour of the broom handle and to therefore serve not only as means for guiding the handle to proper position when inserted between the gripping means to be presently described, but also to hold the handle in vertical position when so inserted. Stud 13 is formed or secured upon the side faces of the block near the shoulder 9 and more specifically speaking directly below this shoulder and these studs project laterally from the said side faces of the block and assist in supporting the broom handle gripping member of the device as will be presently described. Said broom handle gripping member of the device is in the form of a single strand of resilient wire which, at a point midway between its ends, is bent to afford a broom handle gripping portion 14 which is approximately semi-circular. To each side of this portion 14, the wire is bent laterally as at 15 and then to afford spaced members or portions 16 which are coiled one or several times about the studs 13 as indicated by the numeral 17 and at their terminals are bent inwardly laterally as at 18 and engage with the shoulder 9 at the sides thereof. It will be observed that the portion 15 of the said member rests against the surface portion 8 of the forward face of the body or block 5 of the device and as a consequence, the portion 14 is located directly in advance of this surface portion 8 and to permit of the ready insertion of a broom handle therebetween and the said surface portion 8, the portion 14 is so bent as to project in a general forwardly direction.

From an inspection of Fig. 3 of the drawings it will be observed that should the arc described by the portion 14 be completed so as to form a complete circle, this circle would barely touch the surface portion 8 so

that a broom handle to be gripped by the device may be first positioned in the heavy dot and dash line position shown in Fig. 1 of the drawings and then shoved upwardly so as to assume the light dot and dash position shown in the said figure. As the end of the broom handle rides over the surface portion 8, it will readily enter the bow of the gripping portion 14 and frictional gripping contact of this portion 14 with the handle will not occur until the end of the handle begins to ride over the surface portion 6 whereupon the resilient wire gripping member will be sprung outwardly until it assumes the dotted line position shown in Fig. 1 in which position it will have firm gripping engagement with the broom handle and will support the same in vertical position.

What is claimed is:—

1. In a device of the class described, a member having a face formed with synclinal surfaces, and a resilient gripping member

having its gripping portions seating between said surfaces.

2. In a device of the class described, a member having a face formed with synclinal surfaces, one face terminating in a shoulder, studs projecting from the sides of the member adjacent the shoulder, and a gripping member comprising a strand of resilient wire bent to afford an intermediate gripping portion and bent around the said studs with its terminal portions bent into engagement with the said shoulder, the gripping portion of the said member seating against said face between the said synclinal surfaces thereof.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

CHRISTEN H. SORENSEN.

Witnesses:

O. T. OLSON,
GEO. R. HUSELID.