

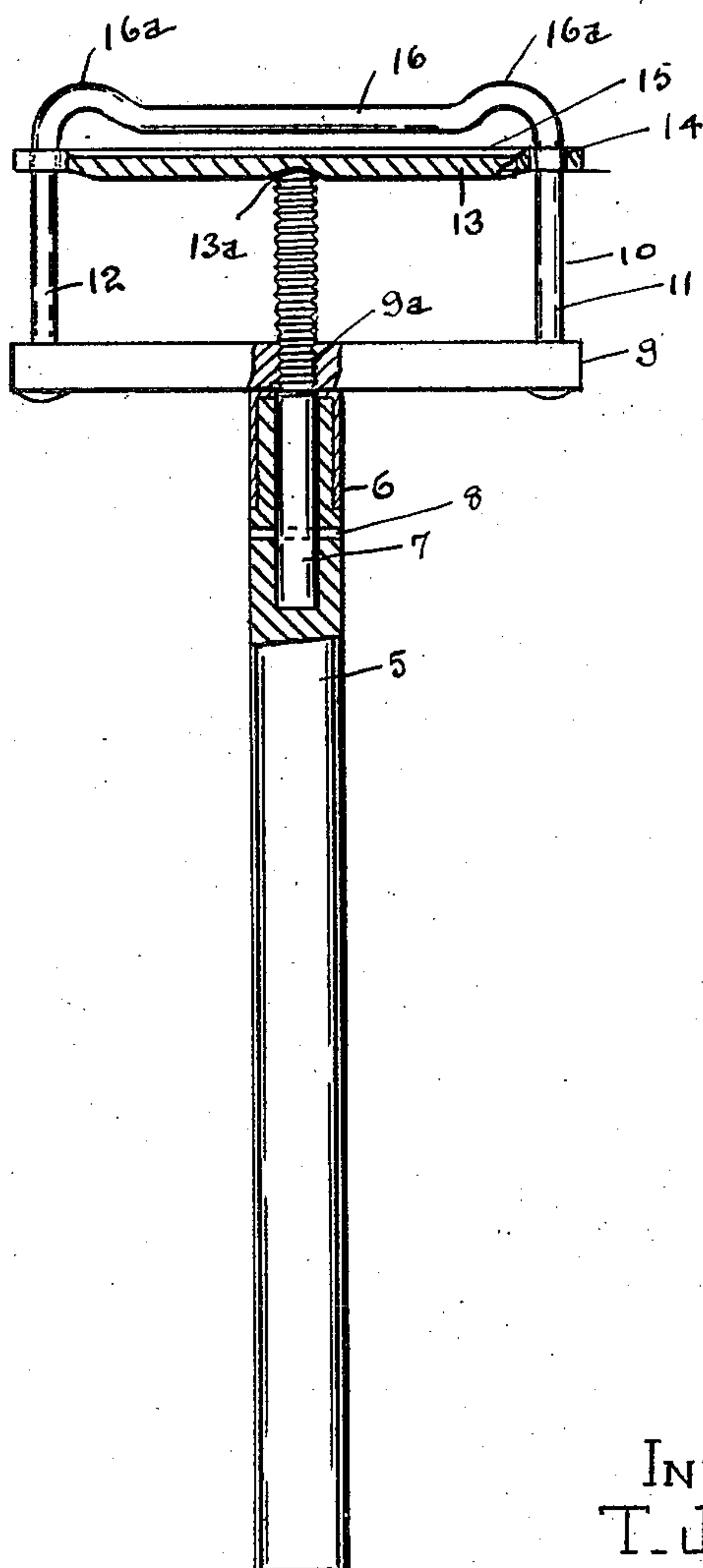
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T. J. FINTON

MOP

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# UNITED STATES PATENT OFFICE.

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MOP.

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*To all whom it may concern:*

Be it known that THOMAS J. FINTON, citizen of the United States of America, residing at Springfield, in the county of Hampden and State of Massachusetts, has invented certain new and useful Improvements in Mops, of which the following is a specification.

This invention relates to improvements in mop holders and its leading object is to provide a mop holder of great strength and one of simple construction, which will effectively clamp a mop and which will not interfere with the movement of the mop fabric in restricted areas of a floor.

With the above and other objects in view the invention relates to certain new and useful constructions, combinations and arrangements of parts, clearly described in the following specification and fully illustrated in the accompanying drawings, in which:—

The figure is a side elevation, partly in longitudinal section.

Referring to the accompanying drawings illustrating the practical embodiment of the invention 5 designates a mop handle, on which the ferrule 6 is mounted. A screw threaded rod 7 has its inner end secured in the forward end of the handle and locked against withdrawal by means of a pin 8 which is extended through the handle and the rod 7.

The mop head or holder consists of the cross bar 9, which is formed of steel, aluminum, wood or other material, and which is provided with a medial opening 9<sup>a</sup> having an internal screw thread through which the rod 7 is threaded. To the end portions of this cross bar the ends of the U-shaped frame or stationary jaw member 10 are positively fastened, so that the body of the frame extends away from the cross bar in the same general direction as the handle 5, so as to provide rigid side bars 11 and 12 and a cross bar 16, which is rigidly connected or integrally united to the side bars 11.

The cross bar 16 provides a stationary jaw against which the mop fabric is clamped

by means of a movable jaw 13, which is formed on its ends with relatively large openings 14 through which the side bars 11 and 12 extend. The outer face of this movable jaw is formed with a longitudinal channel 15 in which the inset portion 16 of the cross bar 12 will fit. This inset portion is connected to the ends of the cross bar by means of spring bends 16<sup>a</sup> which serve to maintain the inset portion under tension when the mop fabric is clamped against it by means of the pressure of the screw rod against the movable jaw, which is formed with a small socket 13<sup>a</sup> to receive the inner end of the screw rod. When the jaw bar 13 is forced tightly against the inset fixed jaw 16 said fixed jaw 16 will be placed under tension, due to the spring loops 16<sup>a</sup>.

The rounded tension forming corner portions or spring loops 16<sup>a</sup> of the clamping frame, which comprises the side bars 10 and 12 and the cross bar 16, provide means for localizing rubbing pressure on the floor, so that a non-scratching rubbing action can be accomplished and grease or other dirt spots removed, without injury to the floor or woodwork. This construction thus prevents the gouging of floors by the scraping action due to the movement of sharp mop corners under pressure. The inset cross bar between the outwardly projecting spring loops tends to centralize the mop fabric on the cross bar, so as to prevent it from crowding (under mopping pressure) against either of the side bars.

The spring loops 16<sup>a</sup> provide means for localizing pressure to remove gum or other adherent matter on floors.

Having described my invention I claim:—

A mop device comprising a handle having a ferrule on one end thereof, a shank inserted in said handle end and pinned to said ferrule, said shank having a screw threaded portion projecting from said handle, a cross bar threaded on said shank, a U-shaped wire frame comprising side bars and a resilient cross bar, the ends of the side bars being fixed to the ends of the cross bar and the resilient bar having an inset por-



tion connected to the side bars by endwise projecting spring loops presenting rounded work bearing surfaces, and a clamping jaw bar having sliding terminal engagement 5 with the side bars and a central bearing on the terminal of the threaded shank, said clamping bar having a longitudinal groove facing the inset cross bar, whereby the mop fabric will be forced into said groove by said inset cross bar and said cross bar will 10 be held under tension by said spring loops.

Signed by me at Springfield, Mass.

THOMAS J. FINTON.