Sept. 17, 1935. J. L. NILSON 2,014,602

SWAB HOLDING DEVICE

Filed May 17, 1935

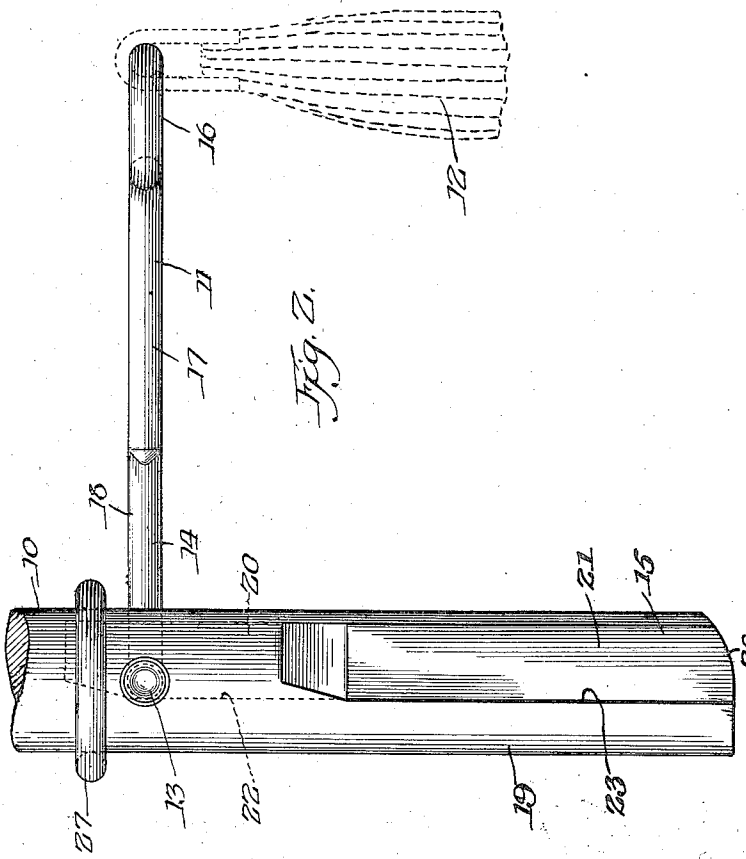


Fig. 2.

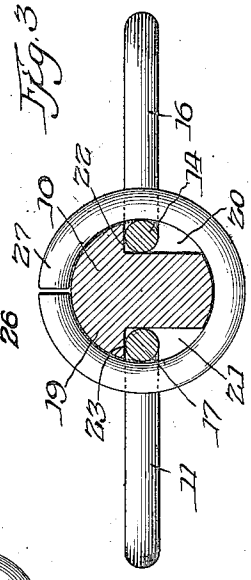


Fig. 3

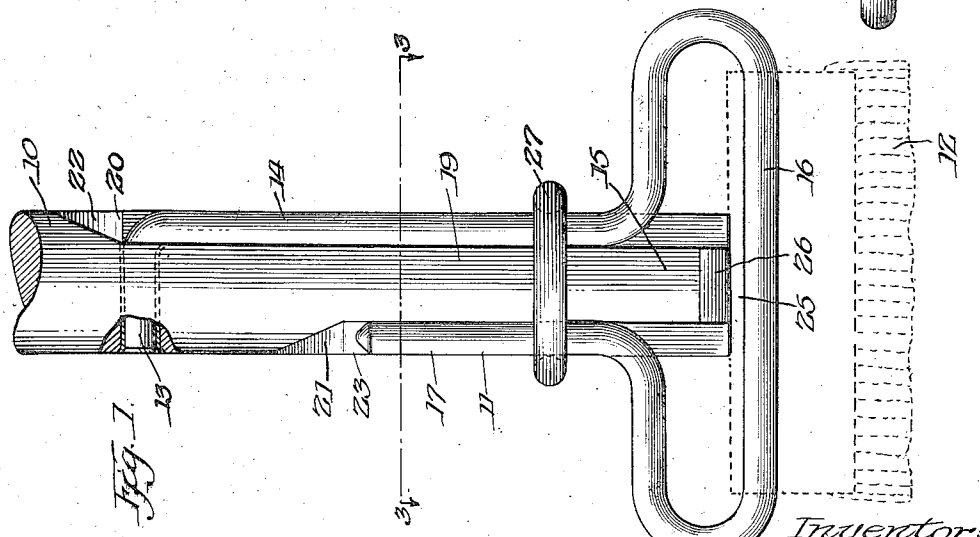


Fig. 1

Inventor:
John L. Nilson.
By: James R. McKnight
Attorney.

Patented Sept. 17, 1935 2,014,602

UNITED STATES PATENT OFFICE

2,014,602

SWAB HOLDING DEVICE

John L. Nilson, Chicago, Ill.

Application May 17, 1935, Serial No. 22,083

5 Claims. (Cl. 15—147)

My invention relates to a swab holding device for use on mops.

Among the objects of my invention are to create a swab holding device in which the swab is pinched between the holder and the handle of a mop so as to prevent the swab from sliding in the swab holder; to provide a swab holding device in which the swab holder is pivotally mounted through the handle and fixed thereon against loss; to so create a swab holding device pivotally mounted through the handle of a mop that the swab may be more easily removed or replaced; to provide an adjustable locking means whereby any variation in the handle caused by expansion, contraction or other factors may be met and the rigidity of the structure maintained; and such other objects, advantages and capabilities as will later more fully appear and which are inherently possessed by my invention.

While I have shown in the accompanying drawing a preferred embodiment of my invention yet I wish it understood that the same is susceptible of modification and change without departing from the spirit of my invention.

Referring more particularly to the drawing: Fig. 1 is a front elevational view; Fig. 2 is a side elevational view of my invention in open position; Fig. 3 is a plan sectional view on line 3—3 of Fig. 1.

The preferred form chosen to illustrate my invention comprises a handle 10 and a swab holder 11 for removably holding a swab 12.

My swab holder 11 is preferably constructed of a single piece of wire and is pivotally mounted through the handle 10 by anchoring portion 13. At substantially right angles to the anchoring portion 13 my swab holder 11 has a long leg 14 running substantially parallel to the handle 10 of the mop when my mop holding device is in closed position. Adjacent the end 15 of the handle 10 my swab holder 11 forms a loop 16 and then continues to form a second leg 17 shorter in length than the other leg 14 so that when the swab holder 11 is swung out of its closed position at substantially right angles to the handle the shorter leg 17 will form an opening 18 between it and the handle 10 sufficient for the insertion or withdrawal of the swab 12. I prefer that the lower portion 19 of the handle 10 have cutout portions 20 and 21 in which the legs 14 and 17 lie when the swab holder 11 is in closed position. Said cutout portions 20 and 21 being preferably substantially the same depth as the thickness of the legs 14 and 17 so that when the swab holder 11 is in closed position the legs 14 and 17 lie within said cutout portions 20 and 21 within a circle, the diameter of which is the same as that of the handle 10. The cutout portions 20 and 21 form ledges 22 and 23 to act as bearing surfaces for the legs 14 and 17 on that side of the handle 10 where the pressure comes when the mop is in use.

The fulcrum point 13 is spaced from the end of the handle so that when the swab holder 11 is closed the gap or opening 25 between the end of the handle 10 and the loop 16 is slightly less than the thickness of the swab 12 to produce a pinching effect thereon. I preferably construct the bottom end 15 of the handle 10 with a convex surface 26 so as to permit free passage of the swab until the maximum pinching point is reached.

A ring 27 slidable on the handle 10 is adapted to slide over the legs 14 and 17 of the swab holder 11 so as to keep the swab holder in closed fixed position.

Having thus described my invention, I claim:

1. A swab holding device comprising an elongated handle, and a swab holder having a loop extending beyond and across the end of said handle, said loop continuing to form a pair of legs extending substantially parallel along the opposite sides of said handle when the swab holder is in closed position, one of said legs bent substantially at a right angle and extending transversely through said handle to form a pivot therein, the other of said legs having a free end so that upon the swab holder being swung away from the axis of said handle, a swab may be inserted or withdrawn to or from said loop.

2. A swab holding device comprising an elongated handle, and a swab holder having a loop extending beyond and across the end of said handle, said handle having a pair of oppositely disposed cutout portions beginning above the pivot of the swab holder and continuing to the end of the handle, said cut out portions forming ledges, said loop continuing to form a pair of legs extending substantially parallel along the opposite sides of said handle and lying within said cutout portions and against said ledges when the swab holder is in closed position, one of said legs bent substantially at a right angle and extending transversely through said handle to form a pivot therein, the other of said legs having a free end so that upon the swab holder being swung away from the axis of said handle, a swab may be inserted or withdrawn into or from said loop.

3. A swab holding device comprising an elongated handle, and a swab holder having a loop

extending beyond and across the end of said handle, said handle having a pair of oppositely disposed cutout portions beginning above the pivot of the swab holder and continuing to the end of the handle, said cut out portions forming ledges, said loop continuing to form a pair of legs extending substantially parallel along the opposite sides of said handle and lying within said cut out portions and against said ledges when the swab holder is in closed position, one of said legs bent substantially at a right angle and extending transversely through said handle to form a pivot therein, the other of said legs having a free end so that upon the swab holder being swung away from the axis of said handle, a swab may be inserted or withdrawn into or from said loop, said loop spaced from the end of said handle so that the gap therebetween is slightly less than the thickness of the inserted swab for producing a pinching effect thereon.

4. A swab holding device comprising an elongated handle, and a swab holder having a loop extending beyond and across the end of said handle, said handle having a pair of oppositely disposed cutout portions beginning above the pivot of the swab holder and continuing to the end of the handle, said cutout portions forming ledges, said loop continuing to form a pair of legs extending substantially parallel along the opposite sides of said handle and lying within said cutout portions and against said ledges when the swab holder is in closed position, one of said legs bent substantially at a right angle and extending transversely through said handle to form a pivot therein, the other of said legs having a free end so that upon the swab holder being swung away from the axis of said handle, a swab may be inserted or withdrawn into or from said loop, and a ring slidable on the handle, and adapted to slide over the legs when the same are lying within the cutout portions and against the ledges so as to lock the swab holder in closed position.

5. A swab holding device comprising an elongated handle, and a swab holder having a loop extending beyond and across the end of said handle, said handle having a pair of oppositely disposed cutout portions beginning above the pivot of the swab holder and continuing to the end of the handle, said cutout portions forming ledges, said loop continuing to form a pair of legs extending substantially parallel along the opposite sides of said handle and lying within said cutout portions and against said ledges when the swab holder is in closed position, one of said legs bent substantially at a right angle and extending transversely through said handle to form a pivot therein, the other of said legs having a free end so that upon the swab holder being swung away from the axis of said handle, a swab may be inserted or withdrawn into or from said loop, said loop spaced from the end of said handle so that the gap therebetween is slightly less than the thickness of the inserted swab for producing a pinching effect thereon, and a ring slidable on the handle, and adapted to slide over the legs when the same are lying within the cutout portions and against the ledges so as to lock the swab holder in closed position.

JOHN L. NILSON.