Aug. 18, 1936. G. H. KOCH 2,051,722

HOLDER

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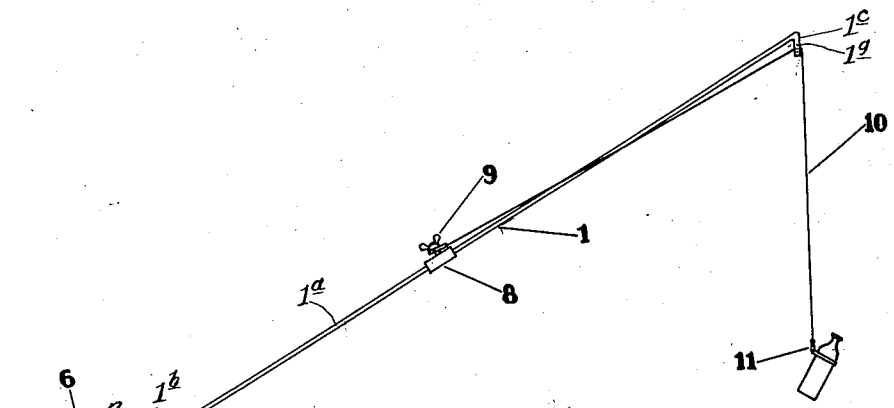


Fig. 1.

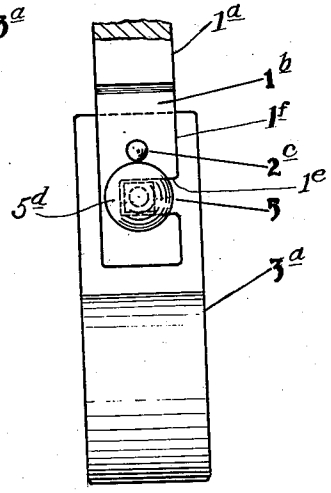


Fig. 2.

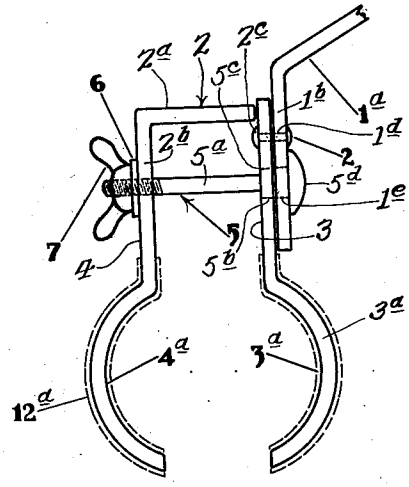


Fig. 3.

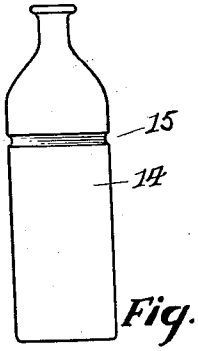


Fig. 4.

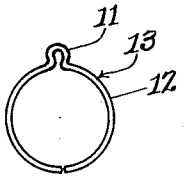


Fig. 5.

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HOLDER

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Application March 21, 1935, Serial No. 12,320

3 Claims. (Cl. 248—103)

My invention relates to a holder.

One of the objects of my invention is to provide, in a manner as hereinafter set forth, means for swingingly suspending a nursing bottle, rattle or other objects at a point to be conveniently grasped, held and shifted by an infant.

A further object of my invention is to provide, in a manner as hereinafter referred to, a holder including an adjustable, readily shiftable suspension for a nursing bottle, rattle or other article in convenient reach of an infant.

A further object of my invention is to provide, in a manner as hereinafter set forth, a resilient upwardly inclined hanger carrying means at its lower end for detachably anchoring it to a support and carrying an adjustable flexible suspension element for swingingly suspending a nursing bottle or other object over and in convenient reach of an infant.

Further objects of my invention are to provide, in a manner as hereinafter set forth, a holder for the purpose referred to, which is simple in its construction and arrangement, strong, durable, compact, readily adjustable, thoroughly efficient in its use, readily assembled, conveniently anchored to a support, crib, bed or baby carriage, and inexpensive to manufacture.

To the above ends essentially, and to others which may hereinafter appear, my invention consists of such parts and such combination of parts which fall within the scope of the invention as claimed.

In the drawing:

Figure 1 is a side elevation of the holder.

Figure 2 is a front elevation of a clamp forming one of the elements of the holder and further illustrating the hanger in section and secured to the clamp.

Figure 3 is an elevation looking towards one side of the structure shown in Figure 2,

Figure 4 is an elevation of a bottle to be suspended from the holder, and

Figure 5 is a top plan view of the coupling member for the object which is to be suspended from the holder.

The holder includes a hanger 1 in the form of a spring steel bar of the desired length, width and thickness. The bar at any point of its length in transverse cross-section is of rectangular contour. The hanger 1 is formed of an intermediate portion 1^a and a pair of lower and upper end portions 1^b, 1^c respectively, depending from and disposed at right angles to the ends of the portion 1^a. The latter is of materially greater length than the end portions 1^b, 1^c. The end portion 1^b is of greater length than end portion 1^c. The portion 1^a extends at an upward inclination throughout from the portion 1^b. The latter is provided with an opening 1^d and a square cutout 1^e extending inwardly from its side edge 1^f. The portion 1^c is formed with an opening 1^g.

The holder includes a clamp for anchoring the end portion 1^b of holder 1 to a suitable support. The clamp comprises a sectional inverted U-shaped bracket 2 having the sides thereof constituting clamping arms. One side of member 2 is formed with a straight portion 3 and an outcurved semi-circular portion 3^a. The other side of member 2 is formed of a horizontal leg 2^a and a vertical leg 2^b depending from the outer end of leg 2^a. The latter forms the head of bracket 2. The leg 2^b has a straight portion 4 and an outcurved semi-circular portion 4^a. The portions 3^a, 4^a are oppositely disposed. The straight portion 3 opposes the inner end of leg 2^a and merges into portion 3^a. The portion 4 merges into the other end of leg 2^a and merges into portion 4^a. A rivet 2^c extends through opening 1^d and portion 3 and loosely connects the end portion 1^b against the outer face of portion 3. A headed clamping bolt 5 is employed for securing the clamping arms to a support whereby the holder is held in the position shown in Figure 1. The shank 5^a of bolt 5 has a squared portion 5^b which extends through a square opening 5^c formed in portion 3 and also through the cutout 1^e. The head 5^a of bolt 5 bears against the outer face of end portion 1^b. The shank 5^a of bolt 5 extends through portion 4 and carries a washer 6 and clamping nut 7 which threadedly engages with shank 5^a.

The holder also includes a flexible adjustable article suspension structure consisting of a sleeve 8 slidably adjustable on portion 1^a of hanger 1, a screw 9 for detachably maintaining sleeve 8 in adjusted position, a flexible suspension member 10 passing through opening 1^g having its inner end connected to screw 9 and its outer end secured to an offset loop 11 formed on the split annular resilient body 12 of a coupler 13 for the suspended article. The latter is shown, by way of example, as a nursing bottle 14 formed with a peripheral circumferentially extending groove 15 to receive body 12. The member 10 may be chain, tape or cord.

The portions 3^a, 4^a of the clamping arms are shown as provided with sleeves 12^a which may be of rubber. The sleeves act as protectors for the support to which the clamp is secured. The sleeves 12^a are shown in dotted lines.

What I claim is:

1. In a holder for the purpose set forth, a hanger in the form of a resilient bar having an inherent part forming an upwardly inclined continuous intermediate portion and a pair of spaced inherent parts disposed at an angle to and depending from the ends of said intermediate portion, the pair of parts of said bar forming upper and lower vertically disposed continuous end portions, an upstanding clamping structure including an inner and an outer section, said lower end portion being secured to the outer side of the upper portion of the inner section of said structure, an adjustable slide mounted on said intermediate portion, a binding screw carried by the slide for fixing it in its adjusted position, said upper end portion being formed with an opening, and a flexible member including a lengthwise adjustable suspension portion having its length adjusted by said slide, said member being fixed at its upper end to said screw and extending through the said apertured upper end portion and adapted to be connected to an object to be suspended thereby.

2. In a holder for the purpose set forth, a hanger in the form of a resilient bar having an inherent part providing an upwardly inclined continuous intermediate portion and a pair of spaced inherent parts disposed at an angle to and depending from the ends of said intermediate portion, said pair of depending parts forming upper and lower vertically disposed end portions, said upper end portion being provided with an opening, an inner upstanding clamping element including a vertically disposed straight upper portion and a lower clamping portion, means for securing the said lower end portion of the hanger against the outer face of the said vertical portion of said element, an outer upstanding clamping element having an upper angle-shaped vertical portion abutting the inner face of the said other vertical portion and merging into a lower clamping portion, a bolt extending through said vertical portions for anchoring said clamping elements to a support, said straight vertical portion of said inner element and said lower end portion of the hanger having coacting means for preventing the turning of the bolt relative to said elements, an adjustable slide on said intermediate portion, a binding screw carried by the slide for fixing it in its adjusted position, and a flexible member including a lengthwise adjustable suspension portion adjustable by said slide, said member being fixed at its upper end to said screw, extending through said upper end portion of the hanger and adapted to suspend an article connected thereto.

3. In a holder for the purpose set forth, a resilient inclined hanger formed with an upper and a lower vertically disposed end portion extending at an angle to the remaining portion of the hanger, an adjustable slide mounted on said remaining portion, a set screw carried thereby for maintaining it in its adjusted position, said upper end portion being formed with an opening, a vertically disposed clamping structure, means for securing the said lower end portion of the hanger to the outer face of the inner side of said clamping structure, and a flexible member including a lengthwise adjustable suspension portion, said member extending through the opening in said upper end portion of the hanger, fixedly secured at its inner end to said screw and adapted to suspend an article from its other end.

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