A. C. WILSON.

EMBROIDERY HOOP HOLDER.

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1,335,308. Patented Mar. 30, 1920.

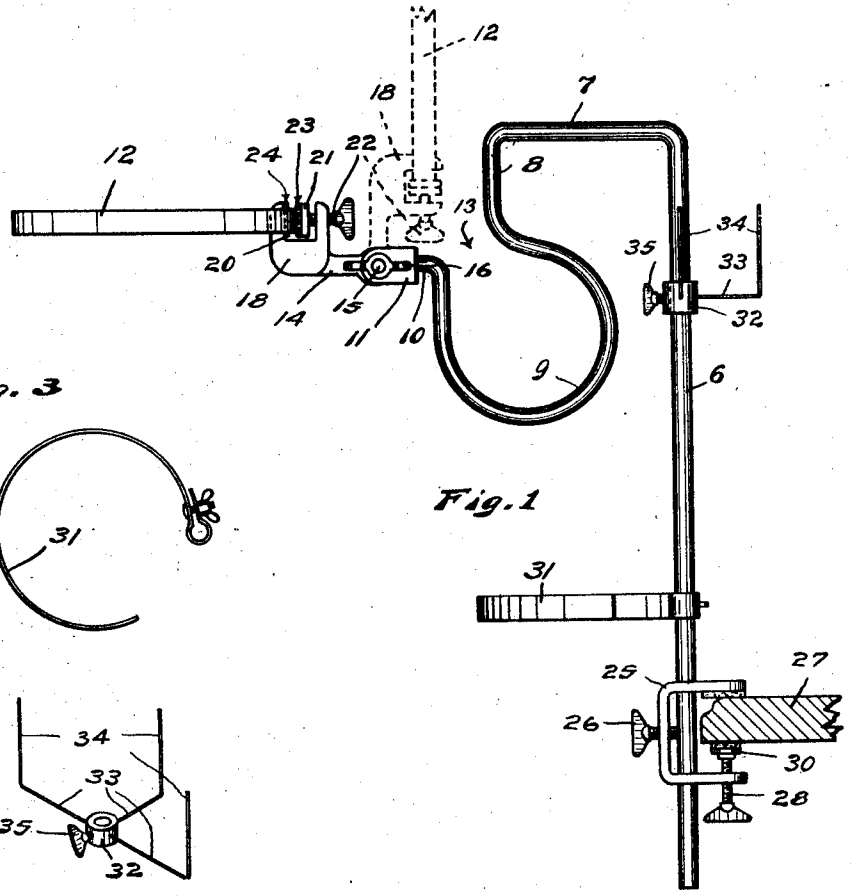


Fig. 1

Fig. 3

Fig. 4

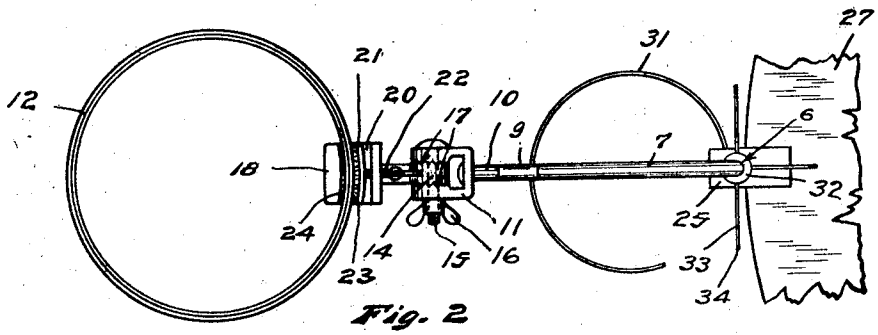


Fig. 2

Inventor
Anna C. Wilson.
By Attorney
Frank Warren

UNITED STATES PATENT OFFICE.

ANNA C. WILSON, OF SEATTLE, WASHINGTON.

EMBROIDERY-HOOP HOLDER.

1,335,308. Specification of Letters Patent. Patented Mar. 30, 1920.

Application filed November 3, 1919. Serial No. 335,536.

To all whom it may concern:

Be it known that I, ANNA C. WILSON, a citizen of the United States, residing at Seattle, in the county of King and State of Washington, have invented a certain new and useful, Improvement in Embroidery-Hoop Holders, of which the following is a specification.

My invention relates to improvements in embroidery hoop holders of the type commonly used for holding cloth on which fancy designs are being embroidered and the object of my invention is to provide an embroidery hoop holder that is neat in appearance; that is adapted to be secured to any convenient support, as to the edge of a table; that is readily adjustable as to height and is further adjustable as to the angular position in which the hoops are supported; that is provided with convenient loops for supporting and holding the parts of the cloth that are not being worked upon and that is strong and substantial in construction and relatively cheap to manufacture.

My invention consists in the novel construction, adaptation and combination of parts of an embroidery hoop holder as will be more clearly hereinafter described and claimed.

I accomplish these objects by devices illustrated in the accompanying drawings, wherein—

Figure 1 is a view in side elevation of an embroidery hoop holder constructed in accordance with this invention as it may appear when it is secured to a table and having embroidery hoops clamped therein;

Fig. 2 is a plan view of my device shown in Fig. 1;

Fig. 3 is a detached plan view of a cloth holding device that forms a part of my invention; and

Fig. 4 is a detached view in perspective of a thread holding device that forms a part of my invention.

In doing embroidery work it is customary to hold the cloth in a tightly stretched position by inserting it between two hoops that are telescoped one within the other. These hoops are ordinarily held in the hands or allowed to rest in the worker's lap. I have found that it is more convenient and that greater progress on the work can be made if the hoops are rigidly supported in a position that is convenient for the worker and at the same time provision is made for holding the surplus cloth that is outside of the hoops.

Referring to the drawings, throughout which like reference numerals indicate like parts, I have shown an apparatus accomplishing the objects above set forth, which apparatus comprises a support of an upright rod 6 that is bent, as shown in Fig. 1, at its top end to form a horizontal arm 7, a depending portion 8, a loop 9 and a short horizontal shank 10 that is connected with a bifurcated clip 11.

The loop 9 is large enough to receive and hold the surplus cloth that is outside of the limits of the embroidery hoops 12 and is open at its upper end as at 13.

The bifurcated clip 11 is adapted for the reception of the rear end of a shank 14 and is provided with a transverse pivot bolt 15 having a wing nut 16 thereon.

The contacting surfaces on the shank 14 and bifurcated clip 11 are preferably notched or serrated on one or both sides as at 17 so that when the wing nut 16 is tightened the clip 11 will be rigidly and securely locked in a fixed position with respect to the clip 11.

The shank 14 is integral with or rigidly secured to a jaw member 18 that is provided with a transverse groove or opening 20 wherein is disposed a movable clamping element 21 that is arranged to be adjusted by a screw 22 which is pivoted to the clamping element 21 and threaded through the rear portion of the jaw member 18.

The clamping element 21 is curved to conform to the external curvature of the embroidery hoops 12 and is provided on the side next to the hoops 12 with a pad or soft material 23, as cloth or felt. The inner surface of the forward portion of the jaw member 18 is curved to conform to the internal curvature of the hoops 12 and may be provided with a pad 24 similar to the pad 23. The pads 23 and 24 prevent marring of the hoops 12 and the pad 23 protects the cloth that is being worked from direct contact with the metal clamping element 21, it being necessary to draw the cloth from the bottom of the hoops 12 upwardly between the hoops 12 and the clamping element 21 at the point where the hoops 12 are clamped in the jaw member 18.

The connection between the bifurcated clip 11 and the supporting shank 10, if desired, may be pivotal so that the hoops 12

can be twisted into any angular position and the pivotal connection afforded by the bifurcated clip 11 and the shank 14 of the jaw member 18 permits the hoops 12 to be tilted into any desired adjusted position between the upwardly projecting vertical position shown by dotted lines in Fig. 1, in which position the operator can gain access to the underside of the work, whereby the threads may be cut and the work finished without detaching the material from the hoops 12, and a downwardly projecting position at an angle of substantially one hundred and eighty degrees from the position shown by dotted lines.

For ordinary work the jaw member 18 will be adjusted to support the hoops 12 in a position somewhere near the horizontal, as shown by full lines in Fig. 1.

The upright portion 6 of the supporting member passes through perforations in a U shaped clip 25 and is adjustably secured to such clip 25 by a thumb screw 26.

The clip 25 is arranged to fit over the edge of a table 27 and is provided with a screw 28 having a pivotally mounted disk or washer 30 on the end thereof by which said clip 25 may be clamped to the table. The disk 30 and the opposed surface of the clip 25 are preferably padded, as shown in Fig. 1, to prevent marring the table.

The vertical support 6 is provided with an adjustably secured loop or hook member 31, as shown in Fig. 3, that may be used for holding excess material when a particularly large and long piece of work is in the hoops 12.

For the purpose of holding balls and spools of thread I have provided a device of the type more clearly shown in Fig. 4, which consists of a sleeve 32 having a plurality of radially projecting wires 33 that are bent upwardly as at 34, so that spools or balls may be placed thereon. The sleeve 32 is arranged to slide on the vertical rod 6 and may be secured in adjusted positions on said rod 6 by a thumb screw 35.

When my device is to be used the clip 25 is clamped onto the edge of a table or similar support and the shank 6 is adjusted to the desired elevation and secured in a fixed position by tightening the screw 26. The cloth is placed in the hoops and the hoops 12 are then placed in the jaw member 18 and securely clamped by adjustment of the clamping element 21. After the hoops are clamped in the jaw member 18 the nut 16 on the bolt 15 may be loosened and the hoops adjusted into the most convenient angular position.

The hoops are preferably placed in the jaw member 18 in such a position that the larger portion of the cloth that is outside of the hoops will be toward the upright support and such excess cloth will naturally fall into the loop 9 where it will be supported in an out of the way position.

It will be understood that changes may be made in the forms, dimensions and arrangement of parts of my invention without departing from the spirit thereof.

What I claim is:

1. An embroidery hoop holder comprising a support formed of a rod having a relatively long upright stem, a horizontal arm at the top end of said stem, a depending loop formed at the outer end of said horizontal arm said loop being open at the extremity of said loop, and a hoop clamping jaw member adjustably connected with said stud.

2. An embroidery hoop holder comprising a support formed of a rod having a normally upright stem, a horizontal arm at the top end of said stem, a depending loop at the outer end of said arm, said loop being open on its upper side, a horizontal stud at the extremity of said loop, a clip secured to said stud and arranged to be turned into various angular positions, and a hoop clamping jaw member adjustably secured to said clip.

3. An embroidery hoop holder comprising a table clamp, a support formed of a rod having a relatively long stem supported for vertical adjustment by said table clamp, a horizontal arm at the top end of said stem, an open loop formed at the end of said horizontal arm and below the plane of said arm, and a hook clamping jaw member adjustably secured to said loop.

In witness whereof I hereunto subscribe my name this 27th day of October, A. D. 1919.

ANNA C. WILSON.