

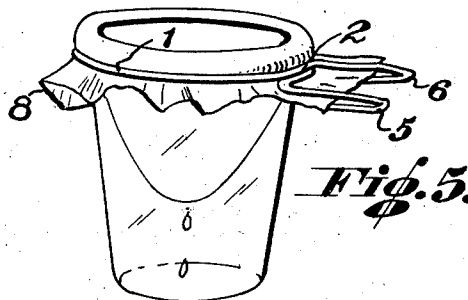
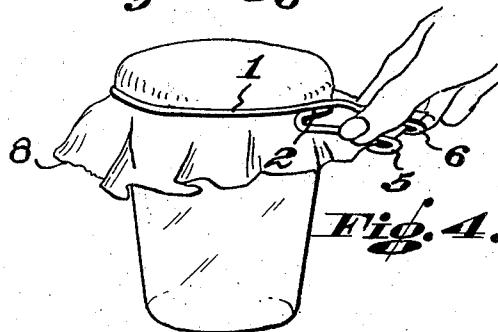
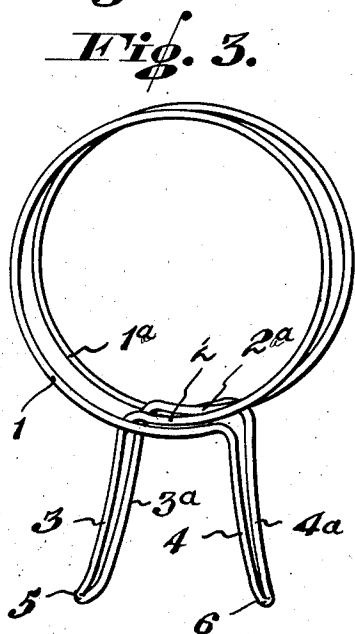
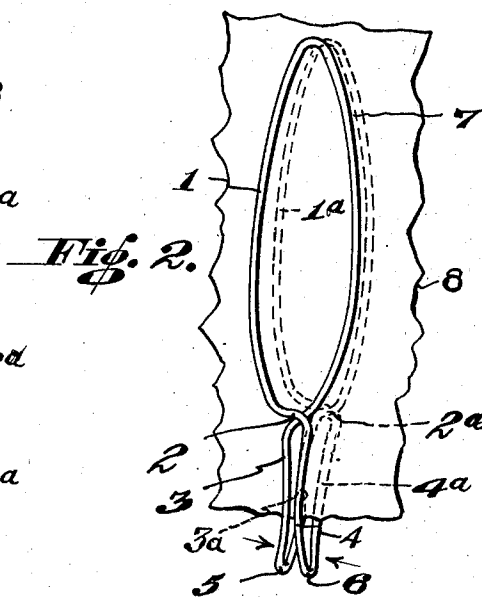
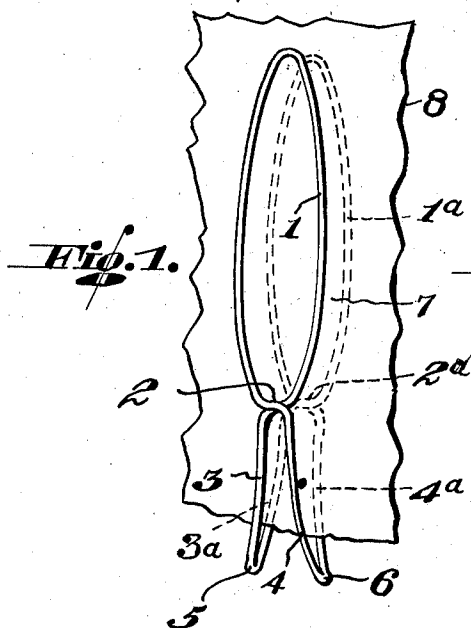
Feb. 21, 1939.

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2,147,963

DEVICE FOR CARRYING SHEETS OF PAPER, ETC

Filed March 23, 1937



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UNITED STATES PATENT OFFICE

2,147,963

DEVICE FOR CARRYING SHEETS OF PAPER,
ETC.

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Application March 23, 1937, Serial No. 132,656
In Argentina August 4, 1936

1 Claim. (Cl. 24—256)

This invention relates to spring clamp for blanks or sheets of paper, fabric, etc., and is adapted, at the same time, to advantageously act as an embracing member capable of clasp-
5 simply gripping an apertured member.

The object of this invention resides in that there are provided two means having a circumferential or polygonal or any other arbitrary shape and made of elastic wire and which is adapted to
10 close about an object and which is provided with two handles projecting from it that in distended position a space is formed between the wires and through which the blank or sheet of paper or the like will be run and changed.

This characteristic feature of the invention over all other types of elastic carrier-clamps is the novel means of freely receiving the sheet and permitting not only to readily extract the latter when not in use but also to form by the aid of this
20 sheet a real lid or cover when clamped about an apertured object.

In addition to what has been set forth in the foregoing and with the object in mind to complete the action as described, in order to ensure
25 that the blank or sheet be firmly held or gripped provision is made for a collar which in moving towards the crossings of the wires of the central ring brings them together.

Other characteristic features of the invention may be appreciated from the accompanying drawing wherein:

Fig. 1 shows the device with a sheet or piece of paper or fabric included therein, seen in perspective,

Fig. 2 illustrates the device with the handles compressed,

Fig. 3 is a perspective representation of the device,

Fig. 4 shows the device in the act of being applied to the mouth of a glass, and

Fig. 5 shows it when used as a filter clamp.

The device in question the practicability of which is shown by the illustrations consists of a wire ring 1 from which at the crossing 2, two radially extending portions of the same material 3 and 4 project outwardly and at their ends 5 and 6 link up with another parallel portion exactly similar thereto comprising the handle portions 3a, 4a and the open ring portion 1a, 2a, whereby
45 a small blank space 7 is left between the two elements, this space being used for inserting a piece or sheet of any kind of material 8, depending on whether it is desired to inclose an aperture or to employ this clamp as a filter-holder or the like.
50

To have the rings 1, 1a acquire a greater circumference all that is necessary is to bring the two radial extensions or handles 3, 3a and 4, 4a in proximity one with another, as shown in Fig. 2, as a consequence of the fact that each handle
5 corresponds with the end of the respective open ring; the pressure exercised on the handles causes the crossing portions of the ring to engage, as is seen from this same Figure 2, thereby determining the maximum diameter of a member which the
10 clamp may embrace, and when this pressure is released the circumference will retract to adapt it to embrace a smaller member.

The sheet to be used is inserted through the space 7 which extends almost over the whole extension of the device, as may be clearly seen from Fig. 1.

With the paper in the proper position and the handles brought together (Fig. 2), when the rings surround the brim of the mouth of a glass (Fig. 4)
20 the closing material will be clamped between one of the rings and the glass, the necessary quantity for covering the glass being inserted through the space 7, and as the rings contract until the pressure of the handles ceases and the size of these
25 rings is reduced the container will be closed. If we now separate the rings by pressing the handles together the paper, fabric or whatever it may be, by being clamped between the rings accompanies the device as if it were a real lid, capable of being
30 used as many times as may be desired. This latter condition is achieved through the sheet being kept permanently within the double ring.

Handles 5 and 6 form extensions of the rings 1, 1a, which provide an opening 7 which is closed to
35 clamp a sheet when the handles are brought together.

What I claim is:

A device for clamping a sheet of material over the top and about the sides of an open top receptacle, comprising a single piece of wire doubled upon itself and forming a single elongated closed loop having the side portions arranged in very close relation near one end and spaced slightly from each other near the other, the mid portions of the double side portions being in the form of a ring with the end portions extending beyond each other in such manner that the closely spaced end portions are positioned between and guided by the other end portions, the end portions also extending outwardly to form handles, the ring and end portions being adapted to receive and support a sheet of material and act as a clamp therefor.

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