

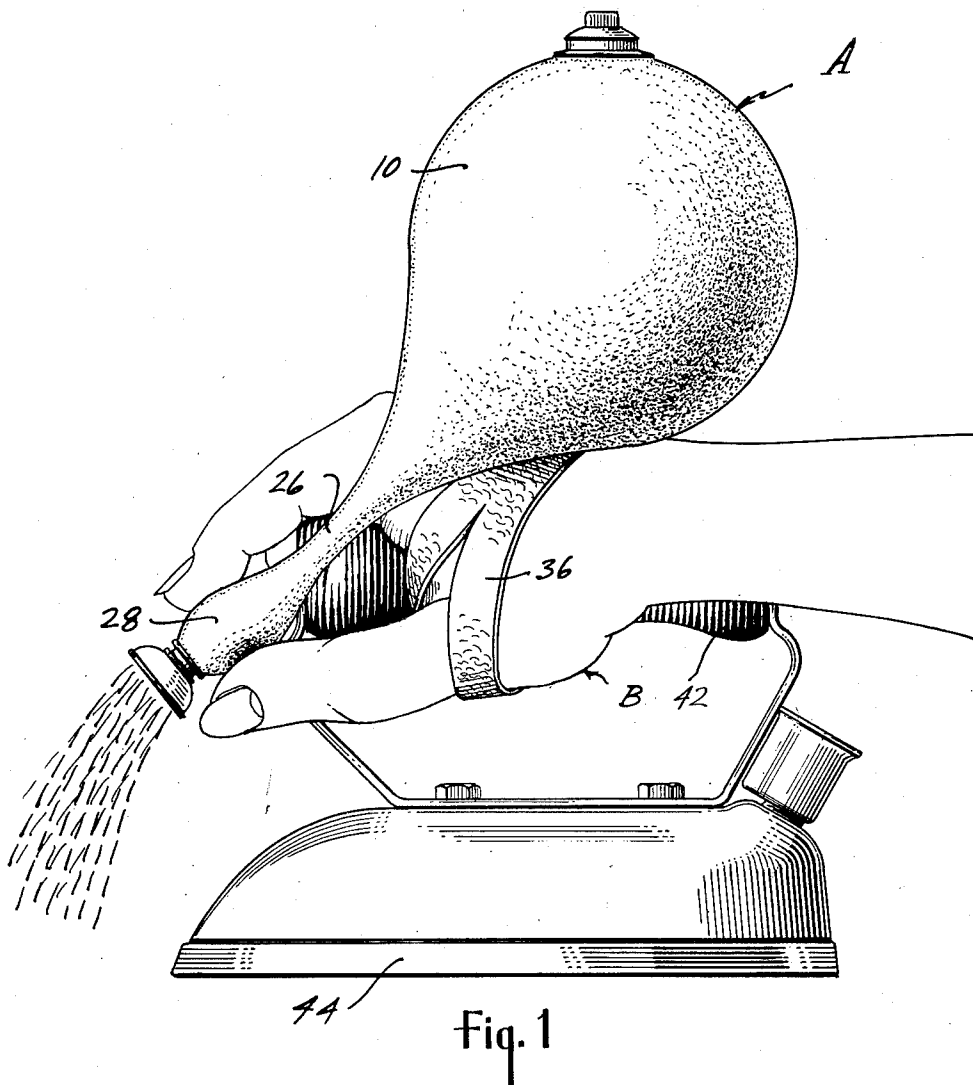
Oct. 7, 1952

A. SPINGARN
HAND-CARRIED SPRINKLER

2,613,110

Filed Aug. 6, 1949

2 SHEETS—SHEET 1



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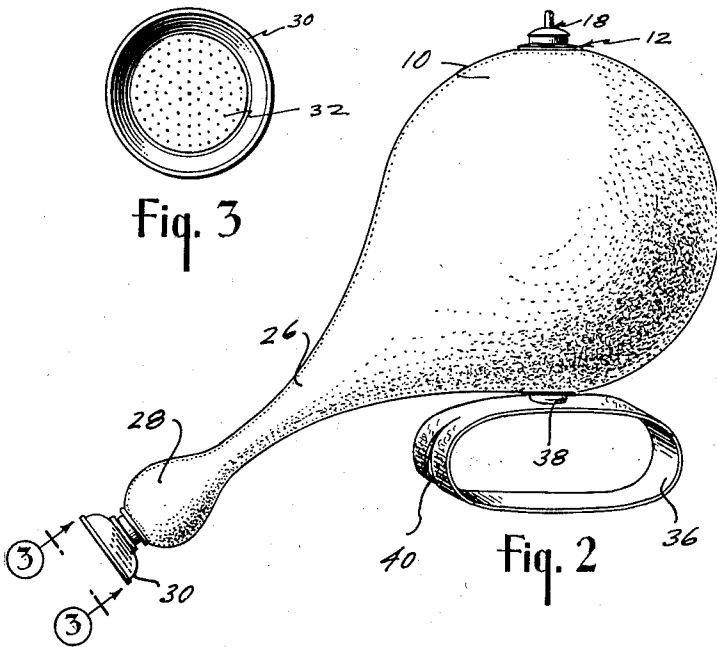
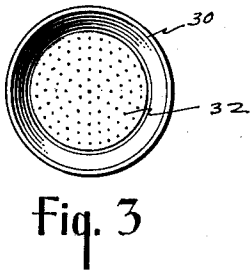
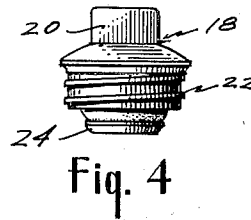
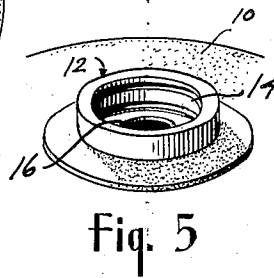
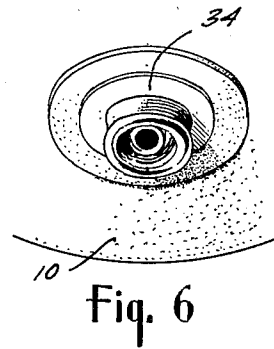
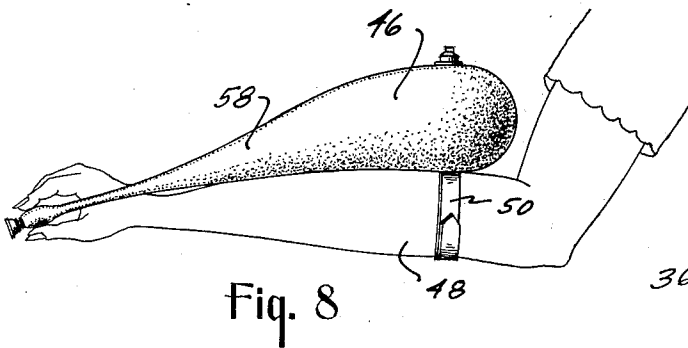
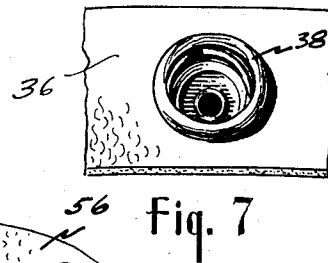
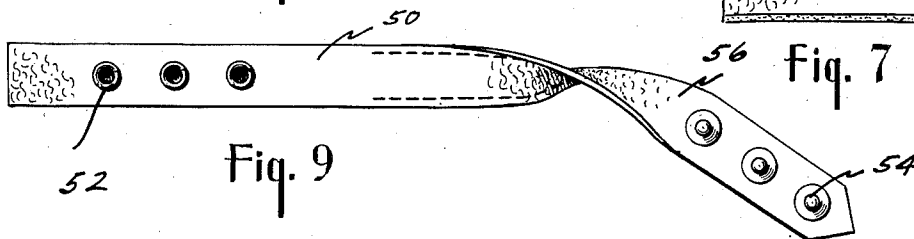
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A. SPINGARN
HAND-CARRIED SPRINKLER

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2 SHEETS—SHEET 2



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HAND-CARRIED SPRINKLER

Arnold Spingarn, Philadelphia, Pa.

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1 Claim. (Cl. 299—91)

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My invention relates to sprinklers such as are used to moisten fabrics for ironing and for other purposes, and relates particularly to a sprinkler which is carried upon the arm of the operator.

Heretofore, in the ironing of fabrics, it has been customary to sprinkle water upon the fabrics from a bowl or by using a separate moistener.

In order to use these methods, the operator has been obliged to interrupt her ironing. In addition, the water is splashed unevenly upon the fabric, so that some areas of the fabric remain dry and are unaffected by the pressing operation.

An object of my invention is to provide a sprinkler which is carried upon the hand or the arm of the operator, and which may be used by the operator without interrupting the pressing operation.

Another object of my invention is to provide a device of the character described which deposits the water upon the fabric in the form of a fine spray or mist, so that the entire area of the fabric being ironed will be properly moistened for ironing.

Another object of my invention is to provide a clothes moistener, the use of which will reduce the time required for this kind of work.

Other objects of my invention are to provide an improved device of the character described, that is easily and economically produced, which is sturdy in construction, and which is highly efficient in operation.

With the above and related objects in view, my invention consists in the details of construction and combination of parts, as will be more fully understood from the following description, when read in conjunction with the accompanying drawings in which:

Fig. 1 is a side elevation view of my invention supported upon the hand of the operator.

Fig. 2 is a perspective view of my invention as seen from the side.

Fig. 3 is a view of the spray opening as seen along the line 3—3 of Fig. 2.

Fig. 4 is a side view of the bulb filler cap.

Fig. 5 is a perspective view of the bulb filler opening.

Fig. 6 is a perspective view of the snap fastener member attached to the bulb.

Fig. 7 is a perspective view of the complementary snap fastener member attached to the supporting band.

Fig. 8 is a side view of a modification of the device which is carried upon the arm of the operator.

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Fig. 9 is a side view of the supporting band used with the modification shown in Fig. 8.

Referring now to the drawings, wherein similar reference characters designate similar parts,

I show a clothes moistener, generally designated as A, adapted to be worn upon the hand 3 of the pressing operator. The clothes moistener comprises a flexible bulb 10 having a filler opening 12. The filler opening 12 has an internally threaded neck 14 and a seat 16. The filler cap 18 which closes the filler opening 12, has a wing 20 adapted to be grasped by the thumb and forefinger, a threaded shank 22 adapted to screw into the filler neck 14 and has a bottom portion 24 adapted to close the seat 16.

The bulb 10 has a tapered neck 26 with an enlarged end 28. The bulb end 28 is fitted into a spray nozzle 30 which terminates in perforated rotatable atomizer plate 32. This plate 32 abuts against a similar plate 34 (not shown) which is fixed. By rotating plate 32 until its holes register with those of plate 34, the nozzle is opened for use. By rotating the plate 32 further, the nozzle is closed. The underside of the bulb, i. e., the portion opposite the filler opening 12, is provided with a snap fastener member 34 by means of which the bulb may be secured to a hand-carrying strap 36. This hand-carrying strap 36 is an endless strap having a complementary snap fastener member 38 at its top, and the front wall is divided to form a bifurcation 40 through which the thumb passes as shown in Fig. 1.

The bulb is detachable from the carrying strap to facilitate the filling of the bulb with water.

To use my invention, the operator slips the strap upon the hand (either the right hand or the left hand) passing the thumb through the bifurcation 40. The bulb is filled and snapped into place on the strap 36, so that the nozzle 30 hangs adjacent the thumb.

When the operator wishes to moisten the clothes, she grasps and squeezes the enlarged portion 28 causing a fine spray of water to issue through the atomizer plate just ahead of the iron, or in whatever direction the nozzle is pointed. It is not necessary for the operator to lift her hand while doing this, or to stand the iron up on end. Since the hand rests upon the handle 42 of the pressing iron 44, the weight of the moistening device and the water contained therein is supported by the iron, so that the operator does not become fatigued thereby.

The hand-carried device which I have shown in Figs. 1 and 2 is suitable for household use.

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However, for laundries wherein professional operators are employed to iron large quantities of shirts, etc., a clothes-moistening device having a larger water storage capacity is desirable. For this purpose, I show in Fig. 8 a modification of my invention wherein the bulb 46 is of large capacity, and it is carried upon the forearm 48 of the operator. In this modification, the hand strap is replaced with an arm band 50 illustrated in detail in Fig. 9. This band, which is adapted to girdle the forearm of the operator has a plurality of spaced snap fastener members 52 at one end, and a plurality of complementary spaced snap fastener members 54 at the other end on the reverse side 56 thereof. By virtue of the spaced fastening, the strap may be worn upon any forearm. The reverse side 56 also carries a snap fastener member 36 (not shown) which detachably supports the bulb 46.

The bulb 46 is similar to the bulb 10 previously described, except that it is larger, and has a longer neck 58. If desired, the bulb 46 may be fitted with a second band (not shown) similar to that of Fig. 9, on the neck portion, the second band extending about the wrist of the operator. The operation of the larger bulb is similar to that of the smaller bulb previously described.

While I have described one specific use for the sprayer namely, the moistening of clothes for ironing it is obvious that by filling the bulb with other liquids, various other work such as moth-proofing garments, spraying insecticides, etc., may be accomplished with my device.

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Although my invention has been described in considerable detail, such description is intended as being illustrative rather than limiting, since the invention may be variously embodied, and the scope of the invention is to be determined as claimed.

I claim as my invention:

A clothes moistening device comprising a flexible bulb, a spray nozzle attached to said bulb through an elongated member, said elongated member being adapted to be compressed by the fingers of the user whereby fluid in said first named bulb will be ejected, an endless strap to which said first named bulb is attached, and said strap being bifurcated along a portion thereof whereby the users thumb may pass through said bifurcation.

ARNOLD SPINGARN.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
334,655	Goldman	Jan. 16, 1886
1,177,412	Hopkins	Mar. 28, 1916
1,533,732	Frost	Apr. 14, 1925

FOREIGN PATENTS

Number	Country	Date
7,288	Great Britain	Apr. 12, 1894
21,536	Great Britain	1897