Nov. 4, 1930. E. G. JOHNSON 1,780,880

BAG CLASP

Filed March 25, 1930

Fig. 1.

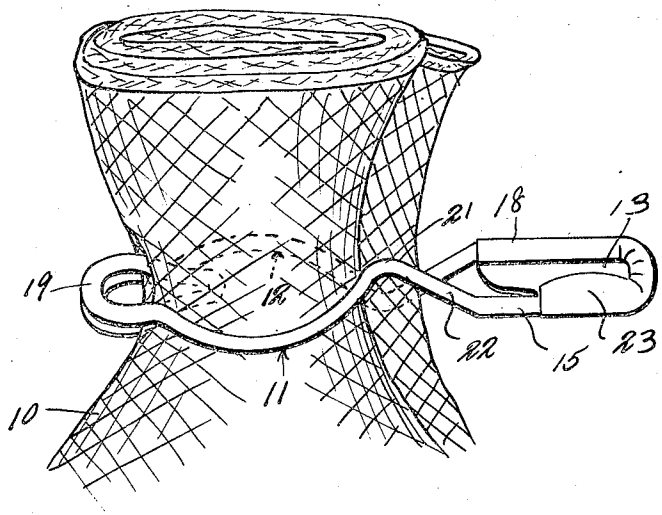


Fig. 2.

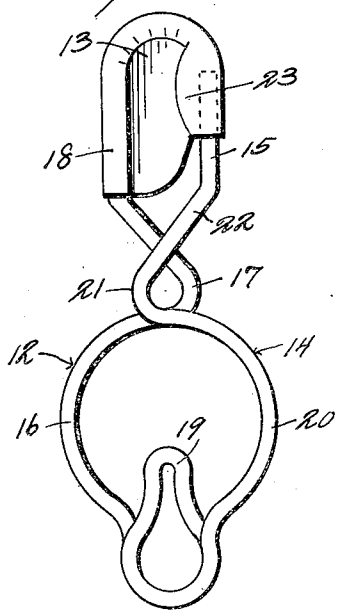


Fig. 3.

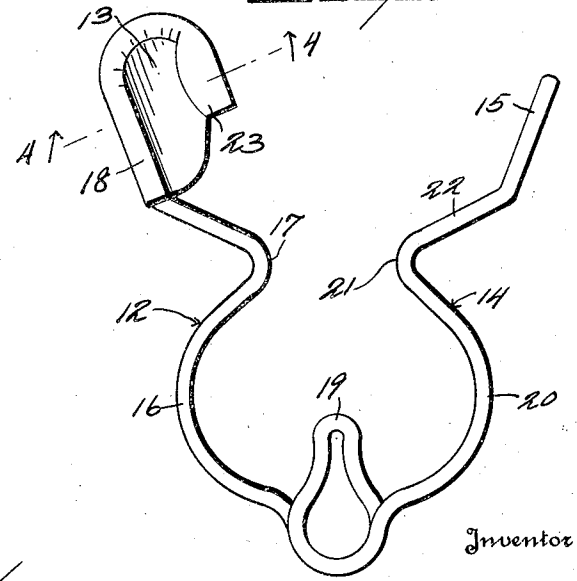
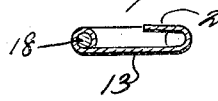


Fig. 4.



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UNITED STATES PATENT OFFICE

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BAG CLASP

Application filed March 25, 1930. Serial No. 438,790.

This invention relates to clasps and more particularly to clasps adapted to close the open end of a bag or the like.

An object of this invention is to provide a clasp of the character described which is particularly adapted to close the open end of a laundry net bag.

Another object of this invention is to provide a resilient clasp which is so constructed that it will securely hold the open end of a net bag in closed condition, the clasp being so constructed as not to injure the neck or upper end portion of the bag.

A further object of this invention is to provide a clasp of this character which is not provided with a sharp point so that the operator of the device will not be subjected to injury through becoming pricked by the point as is the case in the laundry pins at present in use.

A still further object of this invention is to provide a clasp which will securely close the open end of a laundry bag and which will not slip off of the bag when it has become wet with soapy water or the like.

The above and various other objects and advantages of this invention will in part be described in and in part be understood from the following detailed description of the present preferred embodiment, the same being illustrated in the accompanying drawing wherein:—

Figure 1 is a detail side elevation of a device constructed according to the preferred embodiment of this invention mounted on a laundry net bag;

Figure 2 is a detail top plan view of the device in closed position;

Figure 3 is a similar view but showing the device in opened position; and

Figure 4 is a sectional view taken on the line 4—4 of Figure 3.

Referring to the drawing wherein like numerals of reference designate corresponding parts throughout the several views, the numeral 10 designates a laundry net bag of conventional construction, and the numeral 11 designates generally a clasp which is positioned at a point spaced downwardly from the open end of the bag and is adapted to firmly grip the folds of the bag therebetween so as to securely close the open end thereof.

The clasp 11 comprises a resilient wire having a fixed clamping portion 12 which is provided at the outer end portion thereof with a locking plate 13, and a swinging clamping member 14 is formed integrally with the fixed member 12; and the open end 15 of the swinging clamping member 14 is adapted to be engaged in the locking member 13. The fixed member 12 is provided with a bag snare 16 intermediate the ends thereof, and a bag gripping portion 17 is positioned intermediate the snare 16 and the clasp 13, the snare being arcuately formed, and the grip or bag clamping portion 17 is preferably bent rearwardly from the snare portion 16 and the outer end of the fixed clamping member 12 preferably extends longitudinally as at 18. The inner end of the fixed member 12 is preferably looped and bent inwardly so as to provide an anchoring member 19 which extends inwardly of the snare 16. The wire is then bent so as to form a second snare portion 20 which is complemental with the first snare portion 16 and the swinging clamping member 14 is also bent as at 21 so as to provide a complemental bag gripping portion.

The swinging clamping member 14 is also bent outwardly into a substantially straight line as at 22, and the outer end of the swinging clamping member 14 is preferably bent inwardly so that when the outer end 15 of the swinging clamping member is positioned within the lock 13 it will lie substantially parallel with the extension 18 of the fixed member 12.

In the use of this device, the neck portion or open end of the bag is preferably rolled, and one edge portion thereof is left slightly free, the rolled portion of the bag being positioned within the snare portions 16 and 20. The free edge of the bag is adapted to be gripped between the gripping members 17 and 21 and when the free end of the clasp is pressed inwardly so as to close the clasp, the snare portions 16 and 20 will force the rolled or bunched portion of the bag against the anchoring member 19 and thereby force the

member 19 to extend inwardly into the folds of the bag.

The anchoring member 19 is preferably substantially blunt so that it will not injure the fabric of the bag when it is forced thereinto. It will be obvious that with the use of this device, the neck portion of the bag will be securely clamped within the clasp so that the clasp will be held against longitudinal or circumferential movement upon the bag by means of the anchoring portion 19 and the bag gripping portions 17 and 21.

With the use of the safety pins which are at present available, the fabric of the laundry net bags is soon torn or broken and in addition to the injury to the bag, the operator of the device is frequently injured by reason of the sharp point, and due to the material which is placed within the bag an injury of this kind frequently results in infection.

Through the use of the device herein disclosed, the fabric of the bag is not pierced or injured in any manner and due to the blunt end of the clasp, the operator thereof is not subjected to injury from the point. The clasp is inherently resilient and will be maintained in opened position by reason of its inherent resiliency when the free end has been released from the locking member 13, the locking member 13 being of conventional construction which is provided with a lip 23 which is spacedly positioned from the body of the locking member and which is adapted to engage about the free end 15 of the clasp.

When the clasp is in closed position the bag gripping portions 17 and 21 will be positioned in intersecting relation to each other, the bag 10 being adapted to be firmly clamped therebetween.

As will be noted in Figure 1 of the drawing when the neck of the bag is rolled or bunched, the inwardly extending anchor 19 will be forced into the rolled or bunched net thereby preventing circumferential movement of the clasp and a portion of the bag is clamped or gripped between the intersecting gripping members 17 and 21 which cooperate with the anchor 19 to hold the clasp against circumferential and longitudinal movement and also cooperate with the snare portions 16 and 20 to maintain the neck of the bag closed and prevent loss of the contents thereof.

It will, of course, be understood that various changes and modifications may be made in the details of construction and design of the above specifically described embodiment of the invention without departing from the spirit thereof, such changes and modifications being restricted only by the scope of the following claims.

What is claimed is:—

1. A clasp of the character described comprising a resilient looped wire, means for securing the free ends of said wire together, said wire having a looped inwardly extending anchoring member at the inner end portion thereof, and overlapping gripping means positioned intermediate the free ends and the inner end whereby to securely grip a laundry net bag therebetween.

2. A clasp of the character described comprising a resilient looped wire, the loop portion of said wire extending inwardly from one end thereof, a pair of arcuately inclined portions positioned intermediate the looped end and the free ends of said wire, and clamping means positioned intermediate said arcuately inclined portions and the free ends of the wire whereby to firmly grip a laundry net bag therebetween.

3. A clasp of the character described comprising a looped wire member, said looped wire having a second loop extending inwardly thereof, the free portions of said wire being arcuately inclined spaced outwardly from said first loop, gripping means positioned intermediate said arcuately inclined portions and the free ends of the wire and adapted to securely hold a bag therebetween, and means for locking the free ends of the wire together, said arcuately inclined portions being adapted to force the bag folds against said second looped portion whereby to firmly anchor the folds against longitudinal or circumferential movement.

4. A clasp of the character described comprising a resilient wire member, a locking member secured to one end of said wire and adapted to releasably engage the opposite end thereof, said wire having a pair of arcuate portions intermediate the ends thereof, an anchor integrally formed with said wire and adapted to prevent turning of a laundry net bag secured within said clasp, and gripping means integrally formed with said wire and positioned intermediate the free ends thereof and said arcuate portions, said gripping means being adapted to prevent longitudinal movement of the clasp on the bag and cooperating with said anchor whereby to prevent circumferential movement of the clasp on the bag.

In testimony whereof I hereunto affix my signature.

ERIC G. JOHNSON.