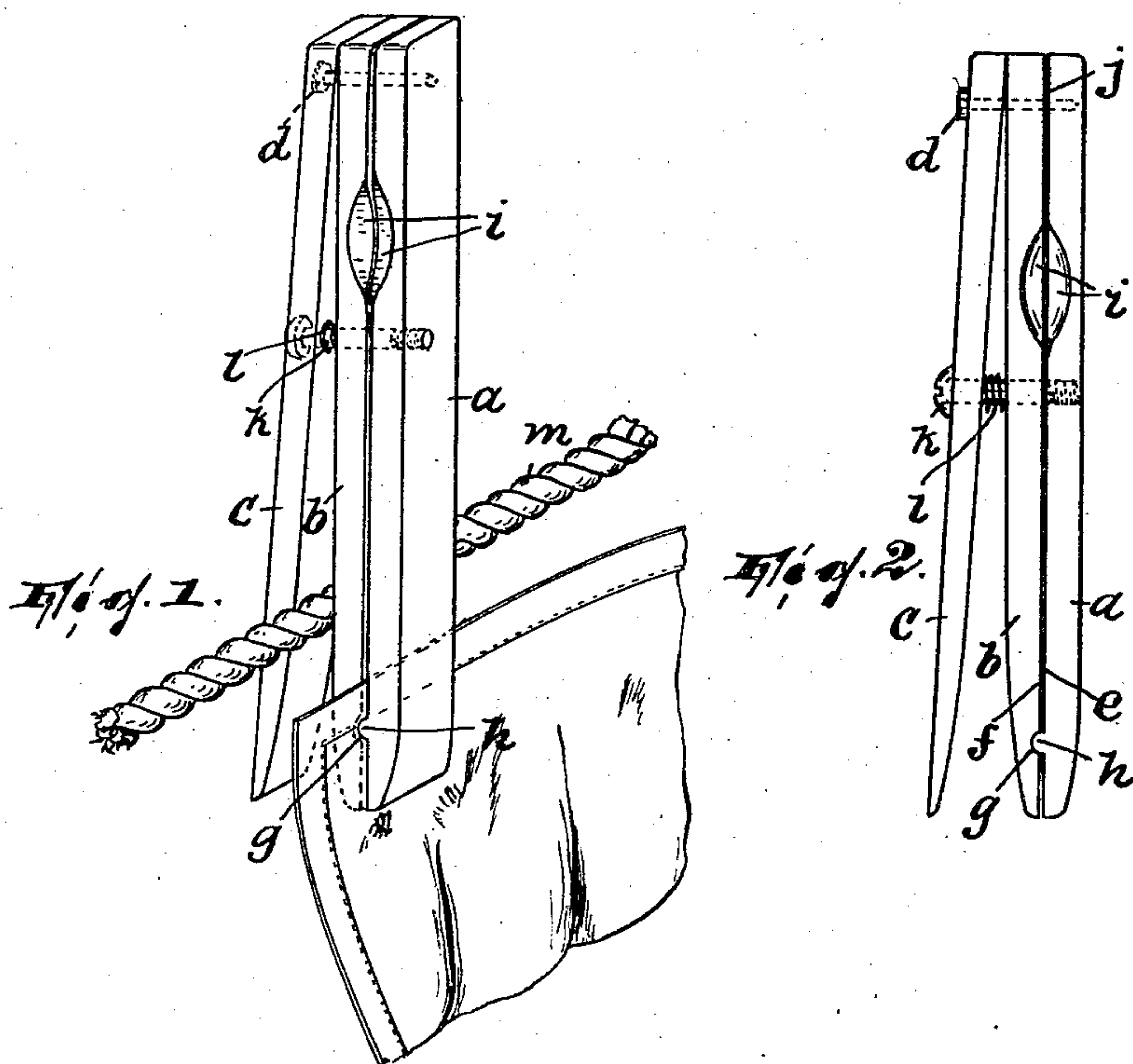


No. 810,704.

PATENTED JAN. 23, 1906.

A. G. BORNEMAN.
CLOTHES PIN.

APPLICATION FILED MAR. 13, 1905.



WITNESSES:

Wm. D. Bell.
Adele Blatt.

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UNITED STATES PATENT OFFICE.

ANDREW G. BORNEMAN, OF ATHENIA, NEW JERSEY.

CLOTHES-PIN.

No. 810,704.

Specification of Letters Patent.

Patented Jan. 23, 1906.

Application filed March 13, 1905. Serial No. 249,710.

To all whom it may concern:

Be it known that I, ANDREW G. BORNEMAN, a citizen of the United States, residing in Athenia, county of Passaic, and State of New Jersey, have invented certain new and useful Improvements in Clothes - Pins; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

My invention is an improvement in clothes-pins and the like, having for its object to provide a device of this nature which, while adapted to securely hold a garment on the line, will permit the ready removal of the garment without danger of tearing or otherwise damaging it.

A further object is to so construct the device that it may be removed from the line without necessarily detaching it from the garment, so that if the garment and pin become frozen together the pin may be removed afterward within doors. It is aimed to effect both these objects, furthermore, without materially increasing the cost of manufacture over that of ordinary clothes-pins.

My invention is illustrated in two figures in the accompanying drawings.

Figure 1 shows the clothes-pin holding the garment on the line, and Fig. 2 being a front elevation of the clothes-pin alone.

In the drawings, *a*, *b*, and *c* are three members which are connected together at or near one end in the adaptation shown by a nail or other headed device *d*, which is secured in the member *a*, and so loosely penetrates the members *b* and *c* that at their other ends the three members are movable to and from each other. Members *a* and *b* are preferably flat throughout their length on their inside surfaces *e* and *f*, (since between these surfaces the garment is adapted to be clasped,) except for a transverse recess *g* in one of said surfaces and a coinciding transverse rib *h* on the other. When the garment is clasped between members *a* and *b*, the coinciding recess and rib augment the grip of said members thereon.

i designates finger-recesses in members *a* and *b* to facilitate opening them.

j is a washer which is interposed between members *a* and *b* and is penetrated by the nail *d* and acts to prevent members *a* and *b* from freezing or otherwise sticking together.

k is a screw or other headed device which extends through members *a*, *b*, and *c*, being mounted in one of the two members *a* or *c* and loosely penetrating the other two. The device is preferably a screw so that by manipulating it adjustment of the distance which the three members are capable of being spaced from each other can be effected.

In order that the pin can be removed from the line without necessarily removing it from the garment, a spiral spring *l*, coiled on the device *k* and interposed between members *b* and *c*, is provided, such spring thus acting to normally press members *a* and *b* together.

In using the device the garment is clasped between members *a* and *b*, as above described, and then the line *m* introduced between members *b* and *c*, the effect of which is to press members *a* and *b* together. In order to facilitate the line entering between members *b* and *c*, the free ends of the latter are beveled off on the inside, as shown.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination of three separate members and means for connecting them together in face-to-face relation to each other for movement to and from each other, said means limiting the movement of the outer two of said members away from each other, substantially as described.

2. The combination of three separate members, means for connecting them together at one end, and means for maintaining said members in face-to-face relation to each other located between the ends of said members, said last-named means limiting the movement of the outer two of said members away from each other, substantially as described.

3. The combination of three separate members, a headed device connecting said members together at one end and mounted in one and penetrating the other two of said members, and means for maintaining said members in face-to-face relation to each other located between the ends of said members, said means limiting the movement of the outer two of said members away from each other, substantially as described.

4. The combination of three separate mem-

bers, means for securing them together at one end, and a headed screw located between the ends of said members and screwed into one and penetrating the other two of said members,
5 substantially as described.

5. The combination of three separate members, means for securing them together at one end, a headed screw located between the ends of said members and screwed into one and
10 penetrating the other two of said members

and a spring interposed between two of said members, substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand this 11th day of March, 1905.

ANDREW G. BORNEMAN.

Witnesses:

JOHN W. STEWARD,
ALFRED GARTNER.