No. 711,770. Patented Oct. 21, 1902.

K. M. JOHNSON.

HOSE SUPPORTER.

(Application filed Apr. 22, 1902.)

(No Model.)

Fig. 1.

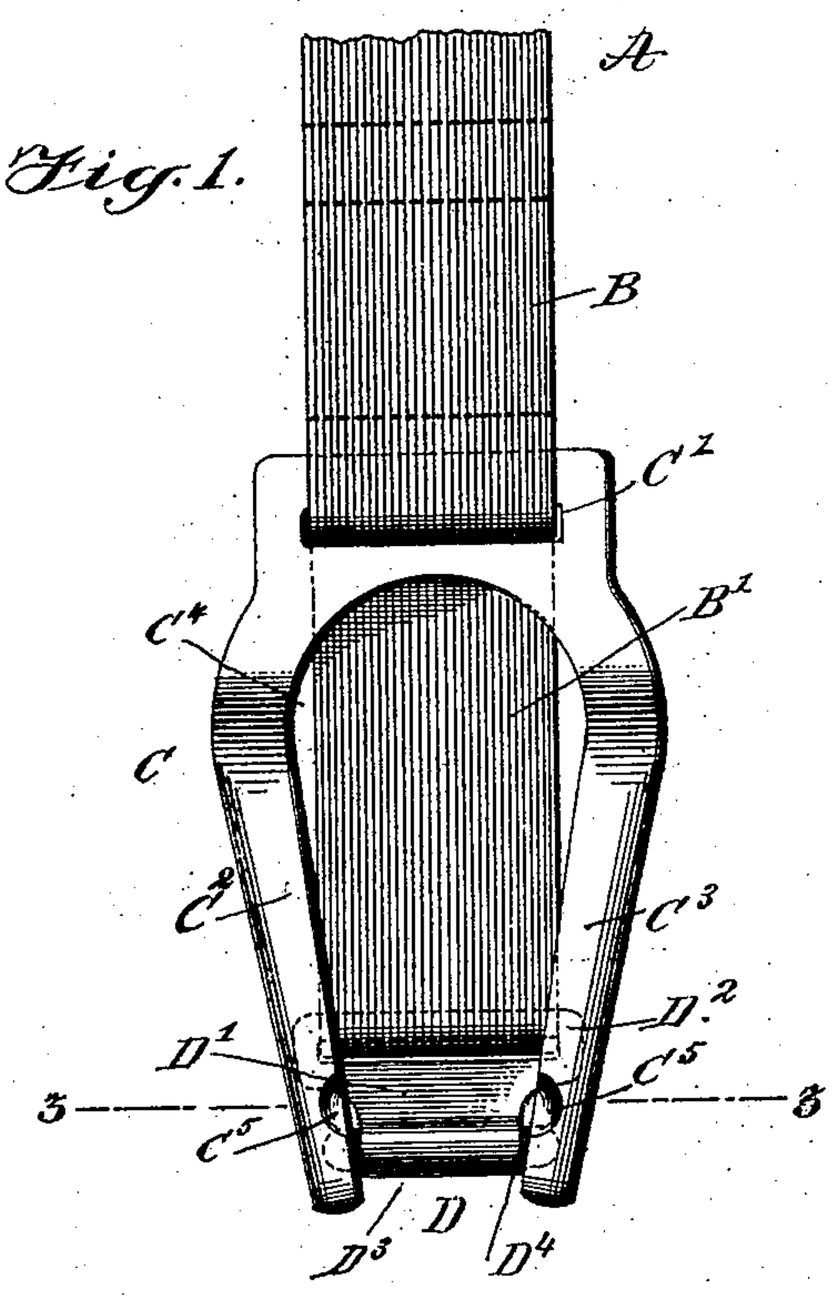


Fig. 2.

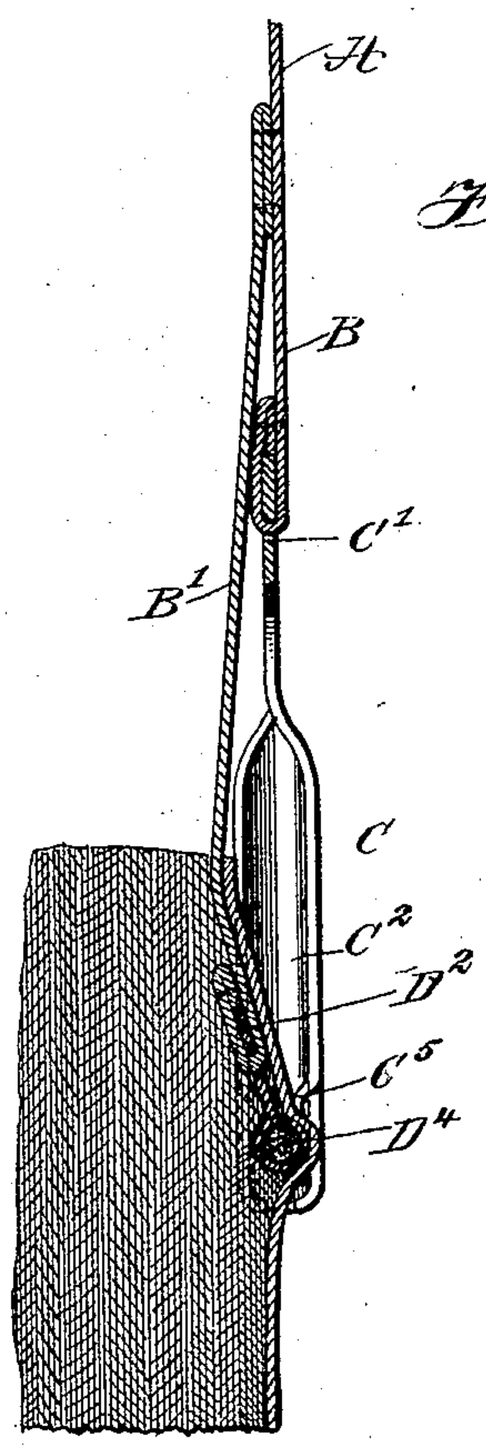


Fig. 3.

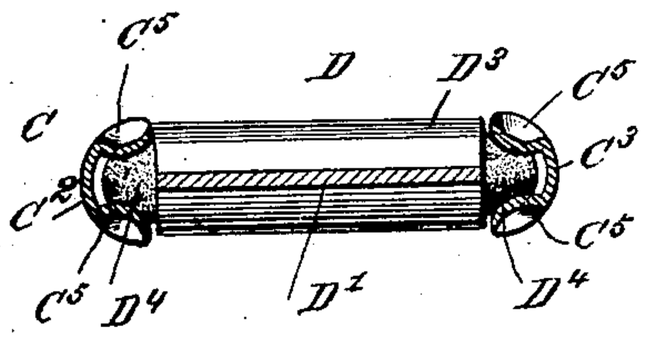
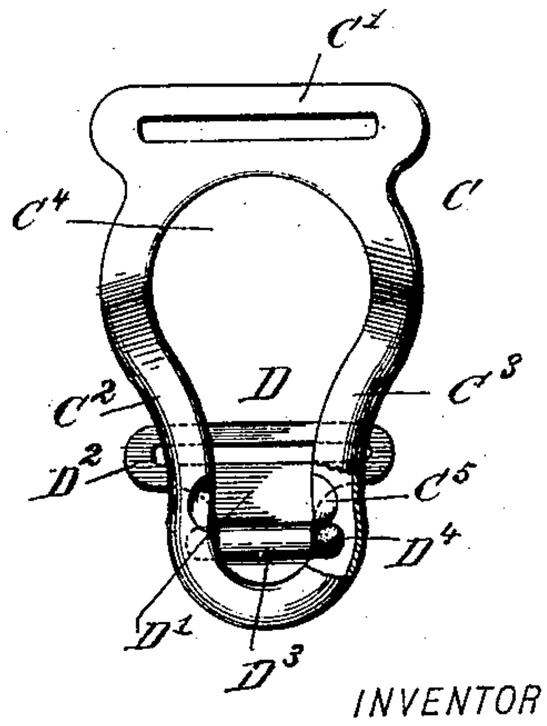


Fig. 4.



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HOSE-SUPPORTER.

SPECIFICATION forming part of Letters Patent No. 711,770, dated October 21, 1902.

Application filed April 22, 1902. Serial No. 104,166. (No model.)

To all whom it may concern:

Be it known that I, KORA MAY JOHNSON, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented new and useful Improvements in Hose-Supporters, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved hose-supporter which is simple and durable in construction and arranged to readily engage and securely hold the hose material without danger of unduly straining or tearing the same.

The invention consists of certain parts and details and combinations of the same, as will be fully described hereinafter and then pointed out in the claims.

A practical embodiment of my invention is represented in the accompanying drawings, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a face view of the improvement. Fig. 2 is a longitudinal section of the same as applied. Fig. 3 is a sectional plan view of the same on the line 3 3 of Fig. 1; and Fig. 4 is a face view of a modified form of the receiving member, part being shown in section.

The suspending-band A of the hose-supporter is of the usual construction and is provided with the tabs B B′, of which the tab B carries the receiving member C and the other tab B′ supports the clamping member D. The receiving member C, as shown in Fig. 1, is approximately of horseshoe shape, but may be in the form of a link, as illustrated in Fig. 4. The receiving member C is preferably made of metal and formed at the upper end with a loop C′ for attaching the member to the tab B, as plainly shown in Figs. 1 and 2, and the said receiving member is also provided with two guideways C^2 C^3, preferably in the shape of arms having grooves extending on the inner edges of the arms, lengthwise thereof, as will be readily understood by reference to the drawings.

The grooves of the guideways open at their upper ends into a receiving-opening C^4, and the said guideways converge from the opening C^4, and the lower ends thereof are provided with retaining means C^5, preferably produced by indenting the said walls of the grooves to narrow the same near the lower ends, as will be readily understood by reference to Figs. 1, 2, and 3.

The clamping member D is preferably made of sheet metal and consists, essentially, of a plate D′, having its upper end formed with a loop D^2 for attaching the plate to the tab B′, and the lower end of said plate is narrowed and formed into an eye D^3, inclosing a bar D^4, preferably made of rubber or other elastic material and having its rounded ends or tips projecting beyond the ends of the eye D^3 for the tips to pass into the grooves of the guideways C^2 and C^3, as shown in the drawings. The length of the bar D^4 is somewhat less than the width of the opening C^4 in the member C, so that the eye D^3 and the flexible tips of the bar may readily pass into the said openings C^4 and be pushed downward to engage the tips with the grooves in the arms of the converging guideways C^2 and C^3.

Now in using the hose-supporter the receiving member is held on one side of the hose material and the clamping member on the other side of said material, and then the clamping member, with the hose material, is pushed into the opening C^4 and then pushed downward to engage the grooves of the guideways C^2 C^3 until the flexible tips of the bar D^4 have pushed apart and passed the retaining means C^5—that is, until the bar has reached its final position, as shown in Figs. 1 and 2. The members are now released by the operator, and the retaining means C^5 prevent accidental return movement of the member D, so that the hose material passed, with the flexible tips, into the guideways is securely clamped in position between the two members to securely support the hose without unduly straining or tearing the hose material.

When it is desired to disengage the hose-supporter from the hose, the clamping member is pushed upward in the guideways and out of the same into the opening C^4 and then transversely out of the latter to completely release the hose material from both members.

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

1. A hose-supporter, comprising two suspended members, of which one is provided with spaced guideways, and the other with a

bar, having flexible ends adapted to slide in the said guideways, as set forth.

2. A hose-supporter, comprising suspended members of which one is the receiving member and the other the clamping member, the receiving member having an opening and spaced guideways leading at the upper end into the said opening, the clamping member having a bar provided with flexible tips adapted to pass into the opening to engage said flexible tips in the said guideways, as set forth.

3. A hose-supporter, comprising suspended members of which one is the receiving member and the other the clamping member, the receiving member having an opening and spaced guideways leading at the upper end into the said opening, the lower ends of the guideways having yielding retaining means to prevent return movement of the clamping member, the latter having a bar provided with flexible ends, the bar being adapted to pass into the opening to engage with its flexible ends the said guideways, as set forth.

4. A hose-supporter having a receiving member provided with a receiving-opening, and integral guideways inclined one to the other and converging from the said opening, the said guideways being provided with retaining-lugs, as set forth.

5. A hose-supporter, having a clamping member provided with a bar having flexible tips, as set forth.

6. A hose-supporter, having a clamping member provided with a plate formed at one end with a loop and at the other end with an eye, and a bar held in the said eye and having its ends projecting beyond the ends of the eye, as set forth.

7. A hose-supporter comprising suspended members, of which one is the receiving member and the other the clamping member, the receiving member having an opening and spaced guideways leading into the said opening, and the said clamping member having a bar adapted to pass into the opening, to engage the said guideways, and lugs in the guideways for holding the clamping member in an engaged position, as set forth.

8. A hose-supporter comprising a suspending-band provided with tabs, a receiving member held on one tab and having spaced guideways and retaining-lugs in the guideways, and a cross-bar held on the other tab and having projecting ends adapted to enter the said guideways and to engage the said lugs, as set forth.

9. A hose-supporter comprising a suspending-band provided with tabs, a receiving member held on one tab and having spaced guideways, and a cross-bar held on the other tab and having projecting ends adapted to enter the said guideways, the said projecting ends being flexible, as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

KORA MAY JOHNSON.

Witnesses:
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S. M. KELAHER.