A. C. CAREY.

Devices for Drying and Stretching Hose.

No. 161,383. Patented March 30, 1875.

Fig 1

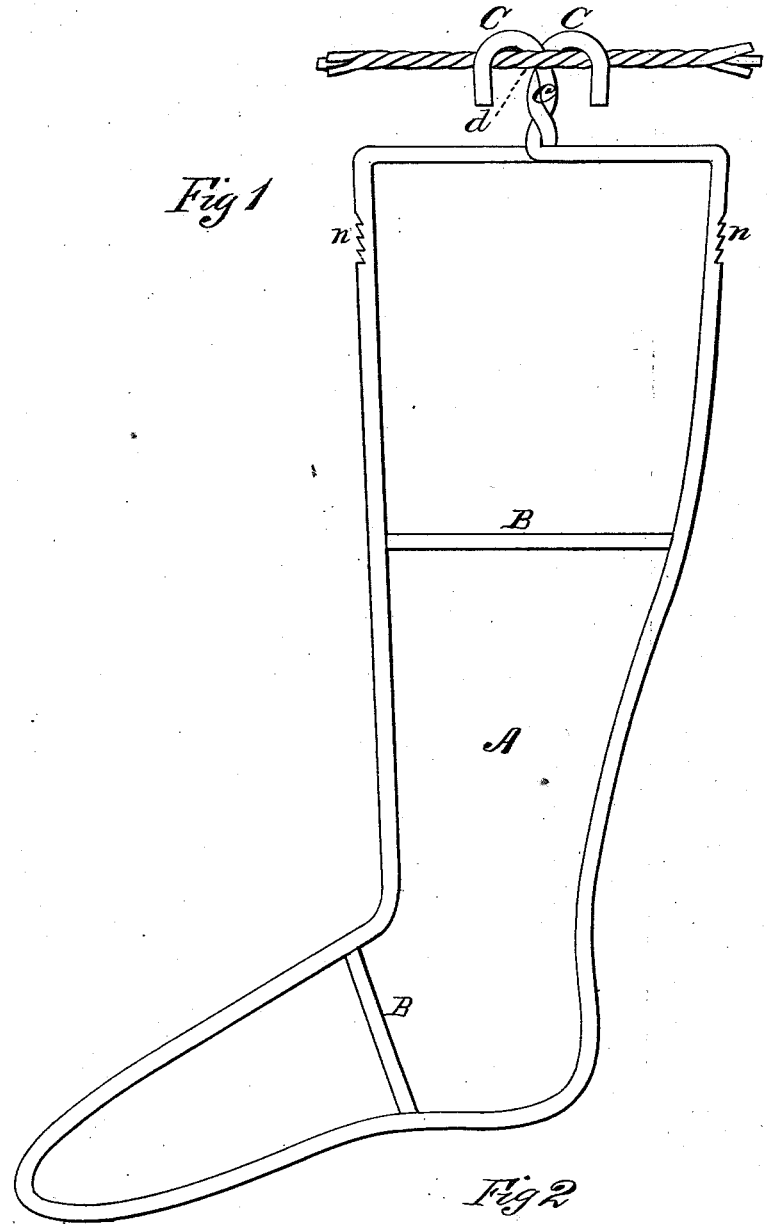
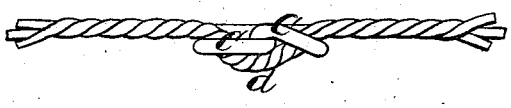


Fig 2



WITNESSES

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AUGUSTUS C. CAREY, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN DEVICES FOR DRYING AND STRETCHING HOSE.

Specification forming part of Letters Patent No. **161,383**, dated March 30, 1875; application filed February 6, 1875.

To all whom it may concern:

Be it known that I, AUGUSTUS C. CAREY, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and valuable Improvement in Stocking Stretcher and Drier; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a side view of my device, and Fig. 2 is a detail view of the same.

This invention has relation to improvements in stocking driers and stretchers.

In the preparation of manufactured hose for market it is usual to give them a thorough washing after they are taken from the loom, and to draw them on a wooden former and drier, for the purpose of imparting to them a symmetrical finished appearance.

The object of the invention in this class of devices is, first, to obtain a former and drier for the purpose above described, which, being incapable of absorbing moisture from the wet hose, will allow the same to dry rapidly; secondly, to provide a simple and effective means whereby the hose-legs will be held tense upon the drier, and will be prevented from shrinking longitudinally; and, thirdly, to prevent the vibratory motion of the drier about its vertical axis when suspended from a line, for the purpose of holding it with its broad surface exposed to the full force of the wind or current of air from a blower.

To this end the nature of the invention consists in a suitably-braced wire frame simulating the shape of the foot and leg, which is provided with notches at or near the upper part of the leg, for holding the leg of the hose tense, and with hooks upon its upper end, having a common shank, for holding the said frame against vibratory motion about its vertical axis when it is hung upon a line, as will be hereinafter more fully explained.

In the annexed drawings, A designates a wire frame, presenting the appearance in outline of the human foot and leg, and braced by transverse bars B, for the purpose of giving it suitable rigidity. This frame is preferably formed of a single continuous piece of wire, as shown in Fig. 1, and, the same having been bent in such a manner as to produce the foot and leg, its free ends are then bent inward toward and twisted around each other to form two hooks, C, having a common shank, *c*, the said hooks being nearly in the same plane with the body of the frame, as shown in Fig. 1. If these hooks are engaged over a drying-line, the frame will depend therefrom in the same vertical plane therewith, a bight or bend, *d*, being thus formed on it, which will effectually prevent the frame from being blown off, as is frequently the case where but a single hook is used. They will also rigidly hold the said frame against rotation about its vertical axis, so that when an artificial current of air is produced, or when the stockings are dried in the open air, they will be held with their flat surfaces exposed to the force of the wind, and will be thereby more rapidly dried.

The frame being of metal and very open, any absorption of moisture is impossible, and the air is allowed a ready circulation through the fabric, thus insuring its speedy drying.

With a view to preventing the leg of the stocking from longitudinal shrinking, the outer edges of the bars of the leg part of the frame are provided with a number of notches, *n*, which will seize the stocking as it shrinks laterally, effectually securing and holding the hose-leg in place and obtaining the desired result.

These frames are designed to be made of different sizes to correspond with the various sizes of hose manufactured, and they are preferably made of a non-corrodible metallic wire. They may, however, be constructed of galvanized iron, my object being to prevent hose from being rust-stained during the drying process.

What I claim as new, and desire to secure by Letters Patent, is—

1. A device for drying and stretching hose, consisting of the foot and leg shaped wire frame A, substantially as specified.

2. In combination with a device for drying and stretching hose, the hooks C, having a shank, *c*, forming a bight or bend, *d*, substantially in the manner and for the purpose specified.

3. The wire frame A, for drying and stretching hose, having notches *n*, for holding the hose against longitudinal shrinkage, substantially as specified.

4. In combination with the wire frame A, the transverse braces B, substantially as specified.

5. The frame A, having braces B, notches *n*, and hooks C C, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

AUGUSTUS C. CAREY.

Witnesses:
JOS. B. LOOMIS,
GEORGE E. UPHAM.