No. 730,693. PATENTED JUNE 9, 1903.

E. F. PEAK.

HOSE PATCH.

APPLICATION FILED MAR. 10, 1903.

NO MODEL.

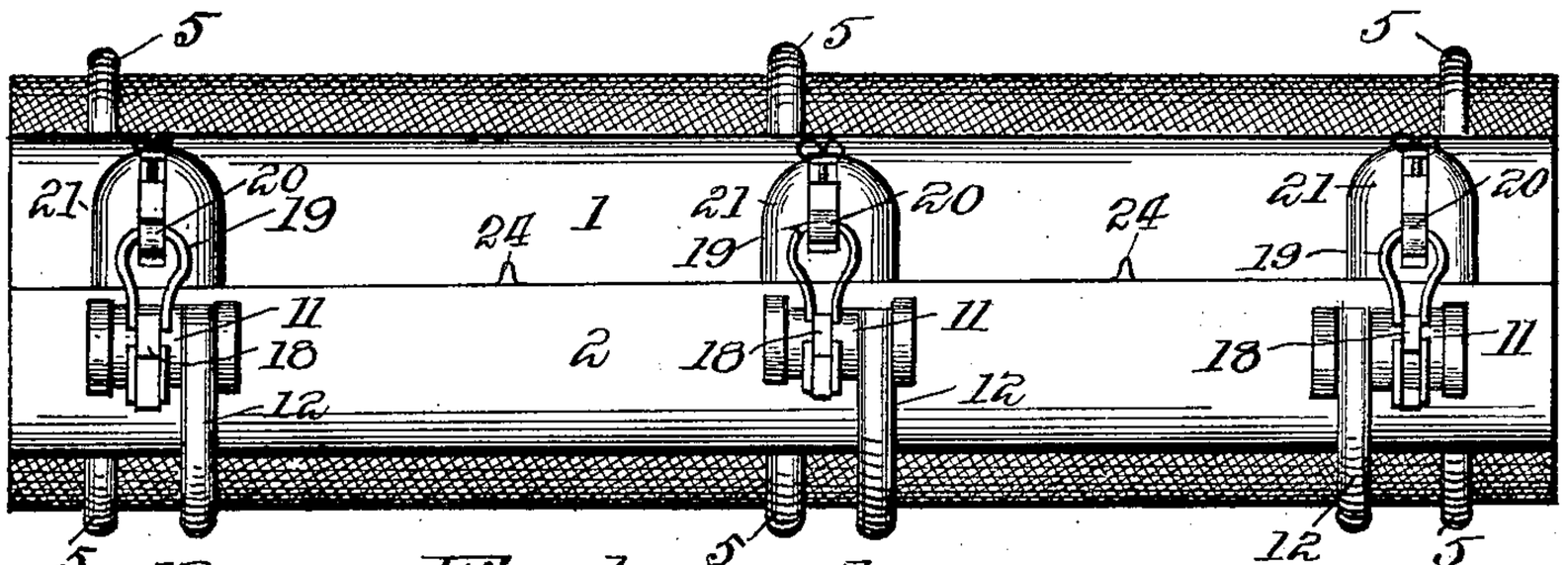

Fig. 1.

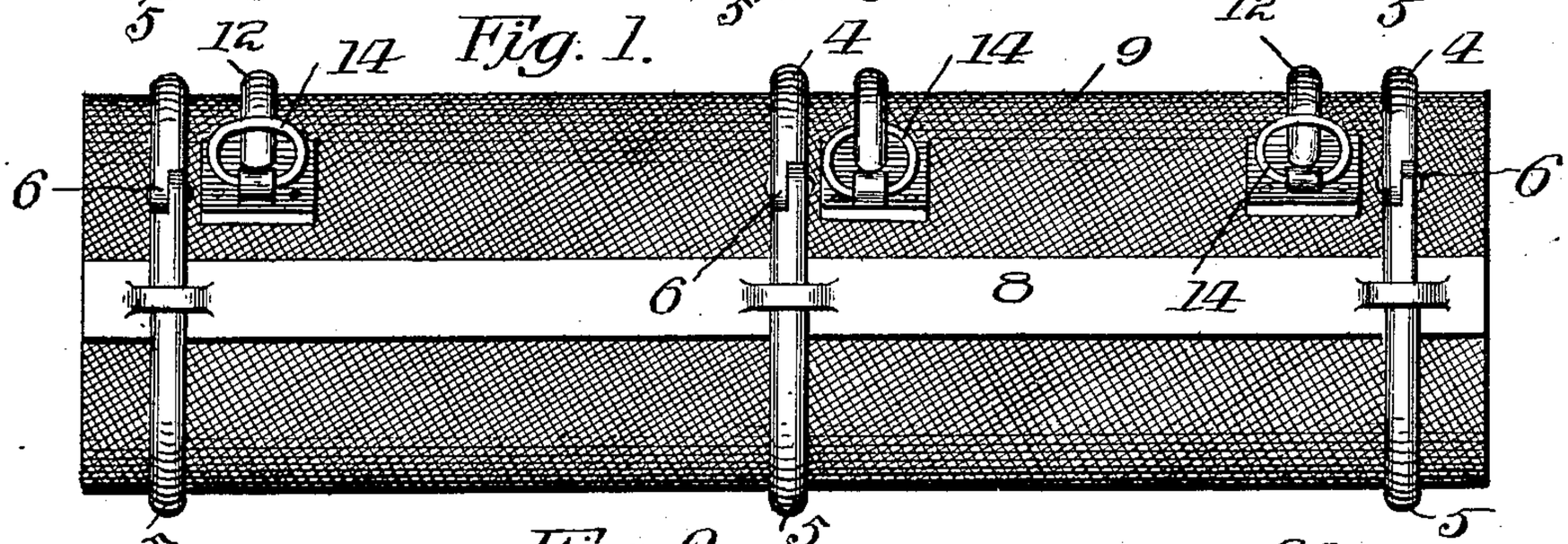

Fig. 2.

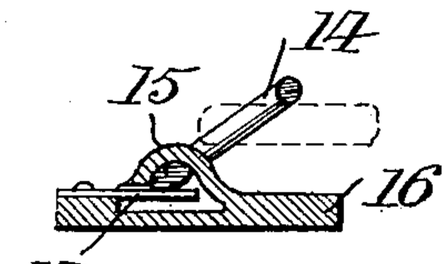

Fig. 4.

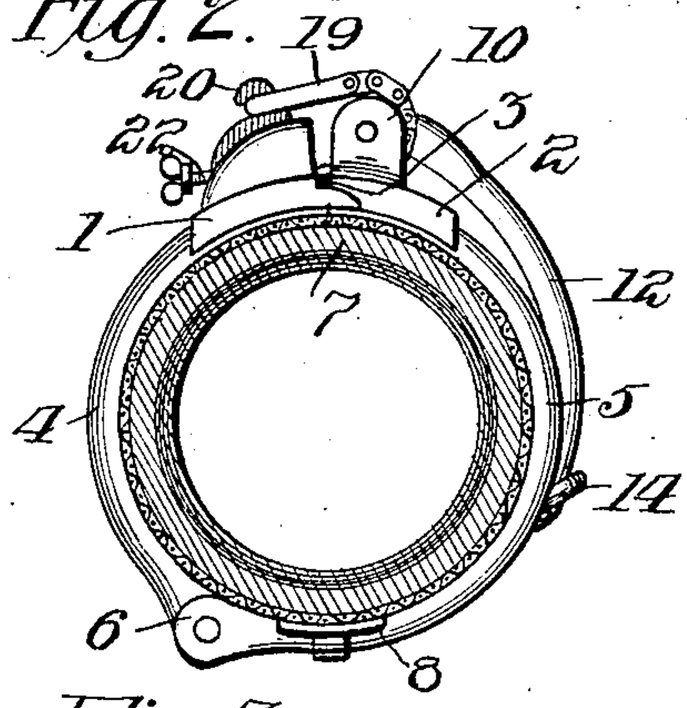

Fig. 3.

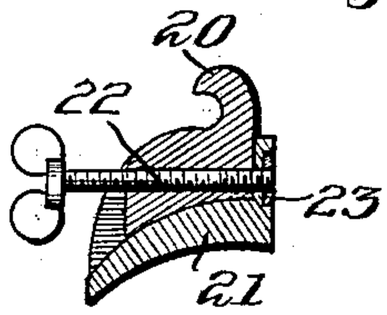

Fig. 5.

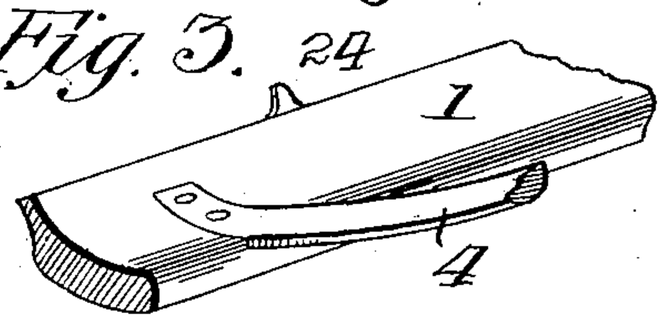

Fig. 6.

Witnesses,
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No. 730,693. Patented June 9, 1903.

UNITED STATES PATENT OFFICE.

EDWARD F. PEAK, OF ELIZABETH, PENNSYLVANIA.

HOSE-PATCH.

SPECIFICATION forming part of Letters Patent No. 730,693, dated June 9, 1903.

Application filed March 10, 1903. Serial No. 147,082. (No model.)

To all whom it may concern:

Be it known that I, EDWARD F. PEAK, a citizen of the United States of America, residing at Elizabeth, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Hose-Patches, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in hose-patches; and the object of the invention is to provide a device by the aid of which the damaged hose may be quickly and effectively repaired in such a manner as to permit the continued use of the same.

Briefly described, the invention comprises two clamping-sections, which are hinged together and are adapted to be closed upon the hose to be repaired, one of the sections carrying adjustable catches and the other of the sections carrying cam-levers provided with chains to engage with said catches, whereby the two sections or members are clamped upon the hose. Means is provided for securing the cam-levers in the closed position, and means is also provided whereby the two clamping sections or members are caused to match neatly at their engaging edge.

Other details of construction will be hereinafter more fully described, and specifically pointed out in the claims, and in describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, and wherein like numerals of reference indicate like parts throughout the several views, in which—

Figure 1 is a top plan view of my improved hose-patch, showing same applied in position. Fig. 2 is an underneath plan view of the same. Fig. 3 is an end view thereof. Fig. 4 is a cross-sectional view of one of the catch-plates carried by one of the sections or members for holding the cam-levers in the closed position. Fig. 5 is a cross-sectional view of one of the adjustable catches. Fig. 6 is a detail perspective view of a part of one of the face-strips.

To put my invention into practice, I provide a pair of clamping or face strips 1 and 2, the former of which is provided with a tongue to engage in the groove provided therefor in the meeting edge of the strip 2, and a flexible gasket 3 is so placed as to be engaged by the abutting edges. These strips are hinged together near the ends and also at the center by the bands 4 and 5, hinged together, as at 6, whereby the two sections may be opened in order to place them around the hose 7. The sections or members 5 of the band carry the strip 8 which is countersunk into the bands, and fastened to the bands, the strips 1 and 2 and to the strip 8 is a heavy canvas or other suitable piece of material 9. On the strip 2 is mounted, near each end and near the middle, lugs 10, in which is journaled the cam-shaft 11, carrying the curved lever 12, which fits the periphery of the patch and is provided near its free end with a notch to receive the securing-ring 14, which is held in the hook 15, carried by the plate 16, fastened to the fabric 9, the spring 17 being provided for holding the securing-ring in engagement with the lever 12. Fastened to the cam-shafts 12 are chains 18, in the end loops 19 of which are catches 20, mounted to slide in brackets or lugs 21, attached to the strip 1, these catches 20 being adjustable on set-screws 22, which extend through the catch and carry the head or washer 23 on their one end, which turns in the seat provided therefor in the lug or bracket 21. On the strip 2 is placed one or more lugs or tongues 24 for engagement with the strip 1. The two sections may be swung open on their hinged joints when the fastenings are disengaged and placed around the hose, the loops 19 then engaged with the adjustable catch 20, and the closing of the levers 12 against the fabric 9 serves to draw the binding-strips 1 and 2 firmly together and bind the patch upon the hose. By first securing the middle clasp of the patch the ends may then readily be fastened.

While I have shown and described a practical form of my invention, yet it will be noted that various changes may be made in the details of construction without departing from the general spirit of my invention.

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

1. The combination with a pair of clamping-strips adapted to match together, of a

third strip spaced from the first-named strips, bands formed of hinged sections, and having their ends secured to the first-named strips, one section of each band being countersunk and secured in the last-named strip, and means mounted on the first-named strips for securing the same together.

2. In a hose-patch, a pair of clamping-strips adapted to match together, hinged binding-bands carried thereby, a patch fabric carried by the strips and bands, adjustable catches carried by one of the said strips, cam-shafts carried by the other of said strips, chains attached to said cam-shafts in engagement with the adjustable catches, levers connected to said cam-shafts, and means attached to the patch fabric for holding said levers in the closed position, substantially as described.

3. The combination with a plurality of hinged bands, of strips secured to said bands, a bracket secured to one of said strips, a catch adjustably mounted in said bracket, a cam-shaft rotatably mounted on the other strip, a chain connected to said catch and cam-shaft respectively, and a lever secured to said shaft.

In testimony whereof I affix my signature in the presence of two witnesses.

EDWARD F. PEAK.

Witnesses:

CHARLES THORNTON,

CHARLES A. LEWIS.