

No. 744,161.

PATENTED NOV. 17, 1903.

A. A. BREAST.
TRACE CARRIER.

APPLICATION FILED JUNE 6, 1903.

NO MODEL.

Fig. 1.

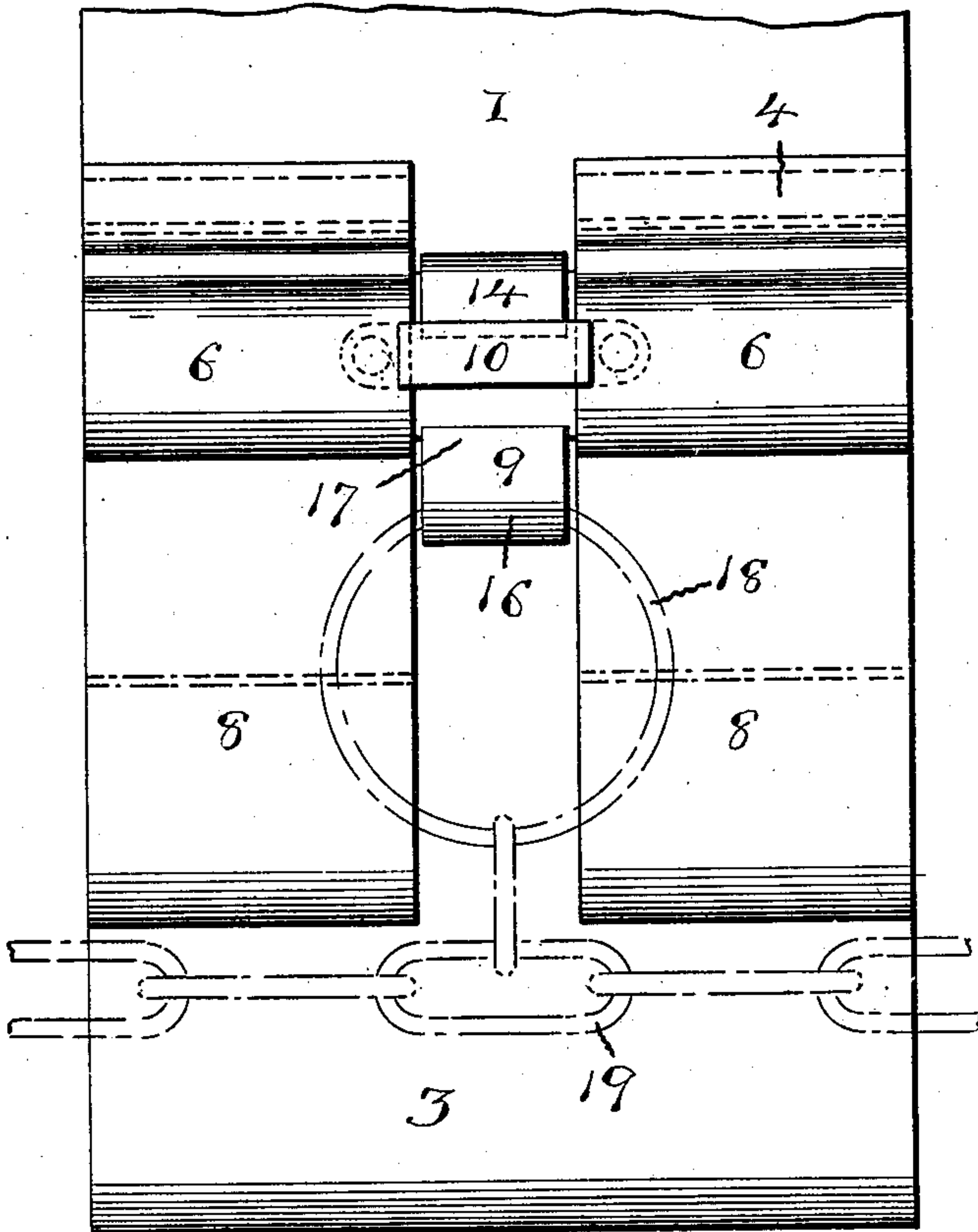


Fig. 2.

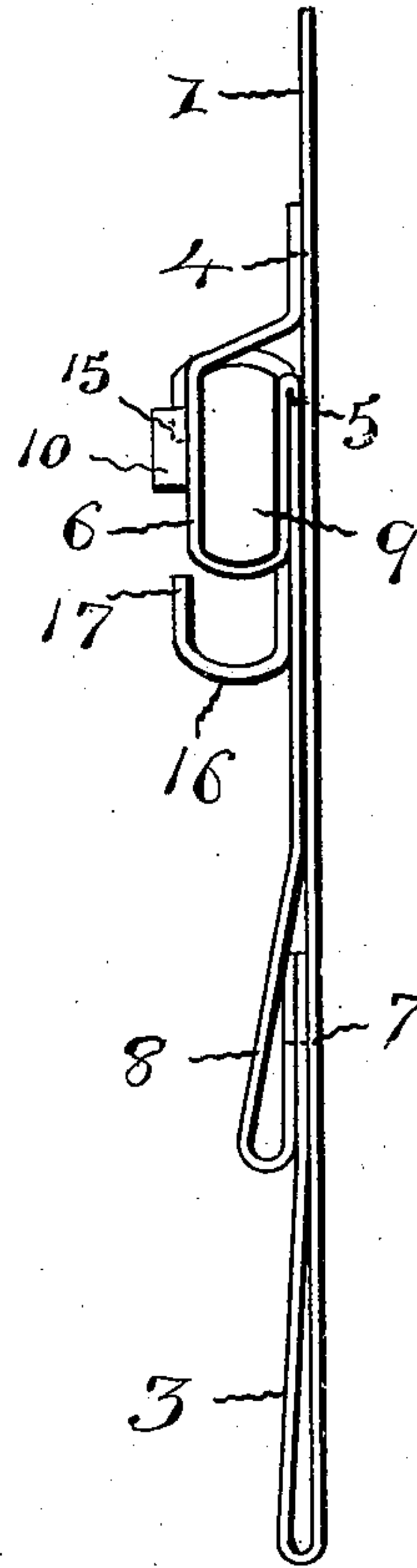


Fig. 3.

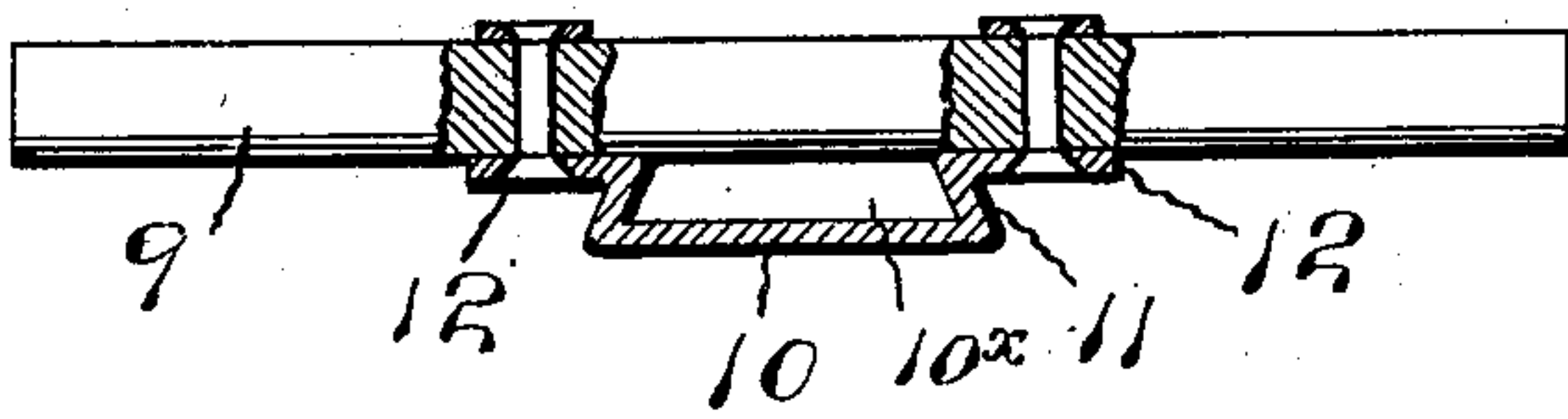
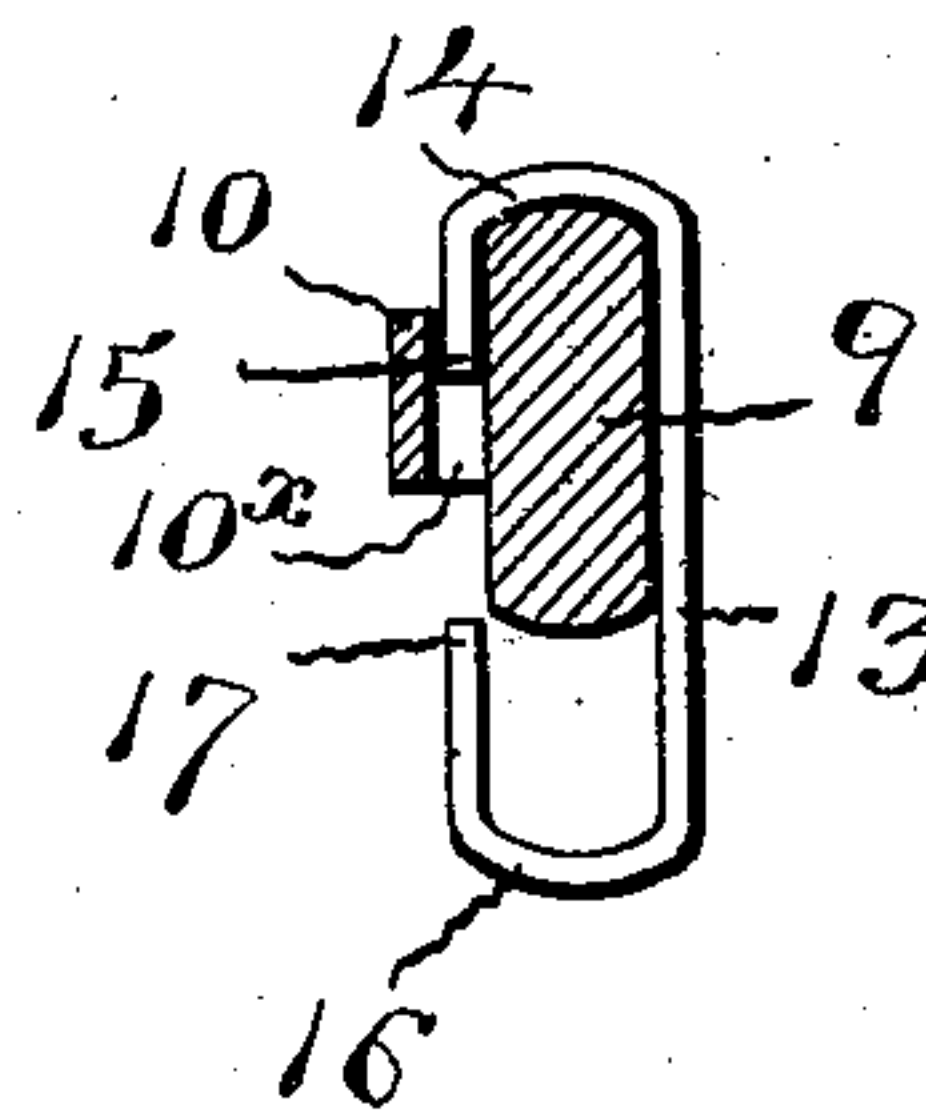


Fig. 4.



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ARCHIBALD ALEXANDER BREAST, OF COLUMBUS, MISSISSIPPI.

TRACE-CARRIER.

SPECIFICATION forming part of Letters Patent No. 744,161, dated November 17, 1903.

Application filed June 6, 1903. Serial No. 160,414. (No model.)

To all whom it may concern:

Be it known that I, ARCHIBALD ALEXANDER BREAST, a citizen of the United States, residing at Columbus, in the county of Lowndes and State of Mississippi, have invented new and useful Improvements in Trace-Carriers, of which the following is a specification.

My invention has relation to new and useful improvements in trace-carriers of the character or type designed to be employed in connection with the back-band of a set of harness; and the object of the invention is to provide a trace-carrier of the kind mentioned which is simple and durable in construction, and which is readily adjustable to adapt it to animals of various sizes or to the circumstances under which it is employed.

The invention consists in providing a back-band with a plurality of loops which are spaced apart from each other and which are adapted to receive and support a carrier member which carries a suspension device for supporting the trace, the carrier member being provided with means adapted to engage the loops to prevent said member from becoming displaced from the loops.

I have fully and clearly illustrated my invention in the accompanying drawings, forming a part of this specification, and wherein—
Figure 1 is a view in elevation of one end of a back-band in connection with which my invention is shown. Fig. 2 is a view in side elevation of the back-band and trace-carrier. Fig. 3 is a detail view of the carrier member and the means for preventing its displacement. Fig. 4 is a transverse sectional view through the carrier member, showing the suspension device thereon and coacting with the means of the carrier member to prevent the displacement of said member.

Referring to the drawings, 1 designates one end of the back-band of a set of harness, which band may be of any suitable material and of such width as to best adapt it to the purposes for which it is employed. At its lower end portion the back-band is folded upon itself and secured to the body of the band to form a reinforced portion 3, against which the trace-chain rubs.

Arranged upon the outer face of the back-band and spaced apart from each other are two sets of suspension-loops, each set com-

prising a plurality of loops arranged in different planes and which are adapted to receive and hold the carrier member, as will be hereinafter more fully specified. Each of these sets of loops is constructed preferably from a single web of material which is secured at one end, as at 4, to the back-band, and is then carried downwardly and then upwardly and secured to the band, as at 5, whereby a flexible depending suspension-loop 6 is formed substantially as shown. From the point 5 the web is then directed downwardly for a considerable distance below the lower end of loop 6 and is then turned upwardly and rearwardly and secured to the band, as at 7, so as to provide a second suspension-loop 8 extending below the loop 6. While I have shown but two suspension-loops in the drawings, it is obvious that by continuing the operation as above described any number of loops may be provided if desired or required. I also desire to have it understood that I do not limit myself to the exact manner of forming the loops as shown in the drawings, since it is obvious that they may be formed separately and the exact arrangement shown be altered without departing from the spirit of the invention. The manner shown is employed merely to show a convenient and efficient means for accomplishing the result desired to be obtained. The sets of loops as above described are so arranged that the loops comprising each set aline with those in the same plane of the opposite set, substantially as shown.

9 designates a carrier member which consists of a bar of such length as to extend practically the entire width of the back-band and which is designed to be secured in either of the upper or lower loops in the back-band and to have a portion of its length exposed in the space between the sets of loops. This member as just described may be of any suitable material and of such size and contour as to best adapt it to the purposes desired.

Upon the outer face of the member 9 and extending outwardly into the space between the loops is a hollow projection 10, which is adapted to engage the inner edges of the loops to prevent the longitudinal displacement of the member. This projection 10 consists of a metallic strip which for a portion

of its length intermediate its ends is spaced apart from the member 9 to provide an opening 10^x, the end portions being turned inwardly and then outwardly to provide recesses 11 to receive the edges of the loops, the strip being secured to the member 9 in any suitable manner at the outwardly-turned portions, as shown at 12.

Loosely mounted upon the carrier member 9 and within the space between the loops is a supporting device 13, from which the trace is hung. This supporting device is provided at its upper portion with a turned-over or hook portion 14, which engages over the upper edge of the carrier member, the terminal 15 of the hook being seated in the opening 10^x between the projection 10 and the member 9. It will be seen that by seating the hook 14 in the opening 10^x lateral movement of the supporting device on the member 9 will be restricted, so that the said device will be prevented from unnecessarily chafing or wearing the loops on the back-band.

At its lower portion the device 13 is formed with a vertically-extending hook, the free end 17 of which terminates at a point closely adjacent the member 9, so that the trace-supporting ring 18 of the trace 19 will be locked within the supporting device and its accidental displacement prevented.

The manner of placing my improved carrier in position upon the back-band is as follows: The supporting device 13 is held in the space between the loops with the trace-ring 18 in the hook 16. The carrier member is then placed in position by inserting it in the desired pair of loops, said member being passed through the supporting device. When the hollow projection 10 reaches the space between the loops, the hook-terminal 15 is seated in the opening 10^x and will be held in position by means of the weight of the trace.

It will be seen, inasmuch as the terminal 17 of the lower hook 16 terminates closely adjacent the carrier member 9 when in position in the loop, that it will be impossible to disengage the ring 18 as long as the said member remains in the loops and that the ring can only be removed at such time as the member 9 is withdrawn from operative position. It will also be seen that when the member 9 is in position the projection 10 will project outwardly between the loops, the inner edges of which will be seated in the recesses 11, which will effectually prevent endwise movement of the member 9 and consequent dislodgment from the loops. It will also be perceived that by providing the back-band with a plurality of loops in each set the height of the carrier member may be adjusted by arranging said member in the pair of the loops at the height desired.

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

1. In a trace-carrier, the combination of a back-band provided with flexible depending

loops spaced apart from each other, a carrier member arranged in said loops, and means in the space between the loops and engaging said loops to prevent endwise movement of said member.

2. In a trace-carrier, the combination of a back-band provided with flexible depending loops spaced apart from each other, a carrier member arranged in said loops, and a projection on said member extending into the space between the loops, and engaging the loops to prevent endwise movement of said member.

3. In a trace-carrier, the combination with a back-band provided with loops spaced apart from each other, of a carrier member arranged in said loops, and a projection on said member extending into the space between the loops and having recesses in which the loops engage, to prevent endwise movement of said member.

4. In a trace-carrier, the combination with a back-band provided with loops spaced apart from each other, of a carrier member arranged in said loops, means to prevent endwise movement of said member, a suspension device on the member and means to prevent lateral movement of said suspension device.

5. In a trace-carrier, the combination with a back-band provided with loops spaced apart from each other, of a carrier member arranged in said loops, a hollow projection on said member, and a suspension device on the member a portion of said suspension device engaging the hollow projection.

6. In a trace-carrier, the combination with a back-band provided with loops spaced apart from each other, of a carrier member arranged in said loops, a hollow projection on said member, and a suspension device on the member, a portion of said suspension device being seated within the hollow projection.

7. In a trace-carrier, the combination with a back-band provided with loops spaced apart from each other, of a carrier member arranged in said loops, a hollow projection on said member, a suspension device on said member having a hook portion, said hook portion being seated in the hollow projection.

8. In a trace-carrier, the combination with a back-band provided with loops spaced apart from each other, of a carrier member arranged in said loops, a hollow projection on said member, a suspension device on said member having upper and lower hook portions, the said upper hook portion being seated in the hollow projection.

9. In a trace-carrier, the combination with a back-band provided with loops spaced apart from each other, of a carrier member arranged in said loops, and a suspension device on said member adapted for connection to a trace, and means whereby the trace can be removed from the suspension device only after the carrier member has been removed from the loops.

10. In a trace-carrier, the combination with a back-band provided with loops, of a carrier member arranged in said loops, a hollow pro-

jection on said member, and a suspension device provided with upper and lower hook portions, the upper hook portion being seated in the hollow projection and the lower hook portion terminating closely adjacent the carrier member.

11. In a trace-carrier, the combination of a back-band, provided with sets of loops, each set comprising a plurality of loops arranged in different planes, said sets being spaced apart from each other and the loops in one set alining with those in the same plane in the other set, a carrier member adapted to be

supported in one pair of alining loops, said member being removable to be placed in another pair of loops to provide for the adjustment of the member, and means in the space between the loops and engaging said loops to prevent endwise movement of said member.

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

ARCHIBALD ALEXANDER BREAST.

Witnesses:

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