

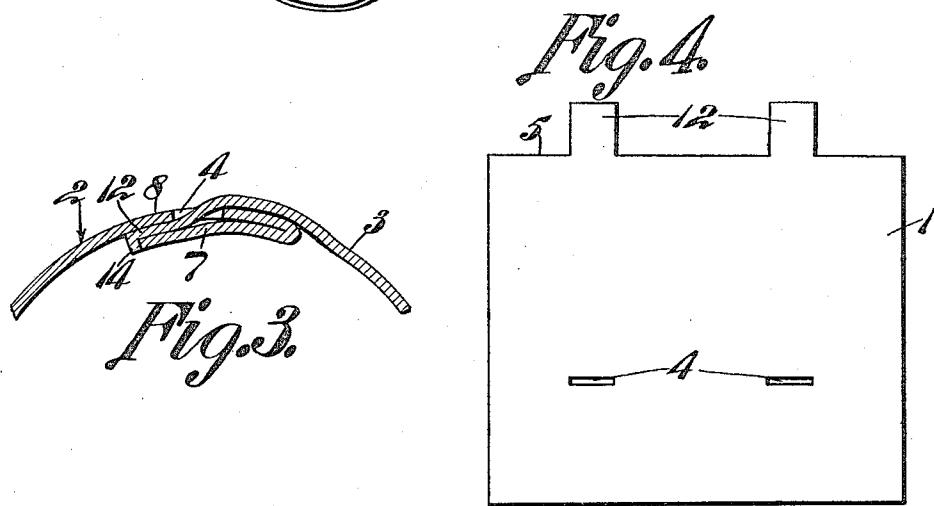
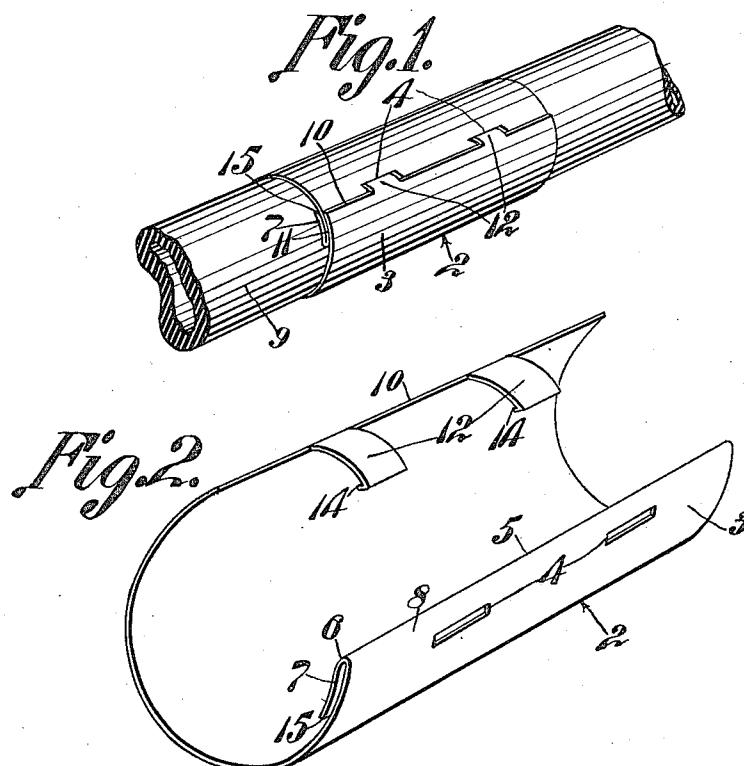
J. H. OSBORN.

HOSE PATCH.

APPLICATION FILED JAN. 26, 1912.

1,032,078.

Patented July 9, 1912.



Witnesses

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# UNITED STATES PATENT OFFICE.

JAMES H. OSBORN, OF MOUNT VERNON, ILLINOIS, ASSIGNOR OF ONE-FOURTH TO LOUIS M. OSBORN, OF MOUNT VERNON, ILLINOIS.

## HOSE-PATCH.

1,032,078.

Specification of Letters Patent.

Patented July 9, 1912.

Application filed January 26, 1912. Serial No. 673,702.

*To all whom it may concern:*

Be it known that I, JAMES H. OSBORN, a citizen of the United States, residing at Mount Vernon, in the county of Jefferson 5 and State of Illinois, have invented a new and useful Hose-Patch, of which the following is a specification.

The present invention aims to provide a tubular hose patch, one of the longitudinal 10 edges of which is inwardly bent, to form a spring flange, adapted to serve as a closure for a slot into which the tongue, protruding from the opposite longitudinal edge of the patch, is inserted, the tongue lying between 15 the flange and the body of the tube, and terminating in a finger, interlocked with the edge of the flange, thereby to prevent a withdrawal of the tongue from the slot.

With the foregoing and other objects in 20 view, which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood 25 that changes in the precise embodiment of invention herein disclosed can be made within the scope of what is claimed without departing from the spirit of the invention.

In the drawings,—Figure 1 shows in perspective, a section of hose, to which the patch has been applied; Fig. 2 is a perspective of the patch, detached from the hose; Fig. 3 is an enlarged, fragmental, transverse section of the patch, showing the parts 35 thereof interlocked; and Fig. 4 is a plan of the blank from which the patch is formed.

The hose patch herein disclosed, is fashioned from a blank 1 preferably of rectangular contour, the blank 1 being curved, as indicated at 2, to form a tube 3, there being slots 4 in the tube 3, disposed parallel to one of the longitudinal edges 5 of the tube 3. The edge 5 of the tube 3 is curved inwardly, as shown at 6, to form a spring 45 flange 7, disposed approximately parallel to the body portion 8 of the tube 3. The flange 7 is located between the body 8 of the tube 3 and the axis of the tube, the spring flange 7 being carried across the slots 4 to serve 50 as a baffle therefor, and to prevent fluid from the hose 9 from spouting in an unob-

structed jet through the slots 4. The other longitudinal edge 10 of the tube 3 is overlapped upon the body 8 of the tube, as shown at 11, and terminates in tongues 12 55 which are inserted through the slots 4, the tongues 12 extending between the body 8 of the tube 3 and the spring flange 7. The tongues 12 are held against the body 8 of the tube 3 by the spring flange 7, the tongues 12 60 terminating in angularly disposed fingers 14, engaged over the free edge 15 of the flange 7, to prevent a withdrawal of the tongues 12.

There may be any number of tongues 12, 65 the slots 4 being increased in number, accordingly. As hereinbefore stated, the spring flange 7 serves as a baffle for the slots 4, so that there will be no spouting of the contents of the hose 9 unobstructedly 70 through the slots 4.

The device may be employed for patching a hose, or for connecting the adjacent ends of a pair of hose sections.

In practical operation, the tongues 12 are 75 thrust inwardly through the slots 4, the flange 7 yielding to permit the finger 14 to pass between the flange 7 and the body 8 of the tube. So soon as the angularly disposed finger 14 rides off the edge 15 of the flange 80 7, the finger will automatically interlock with the edge 15 of the flange, thereby preventing a withdrawal of the tongue from the slot, the tongue being pressed against the body portion 8 of the tube, by the resilient 85 action of the flange 7.

Having thus described the invention, what is claimed is:—

A hose patch fashioned from a blank, curved to form a tube, there being a slot in 90 the tube, parallel to, and spaced from, one of the longitudinal edges of the tube, said edge being curved inwardly, to form a spring flange disposed approximately parallel to the body of the tube and located between the 95 body of the tube and the axis of the tube, the flange being carried across the slot, to serve as a baffle therefor; the other longitudinal edge of the tube being overlapped upon the body of the tube and terminating in a tongue which is inserted through the 100 slot, the tongue extending between the body

of the tube and the flange, and being held against the body of the tube by the flange, the tongue terminating in an angularly disposed finger engaged over the edge of the flange, to prevent a withdrawal of the tongue from the slot.

5 In testimony that I claim the foregoing as

my own, I have hereto affixed my signature in the presence of two witnesses.

JAMES H. OSBORN.

Witnesses:

C. H. COALES,  
FRANK STARPEY.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."