

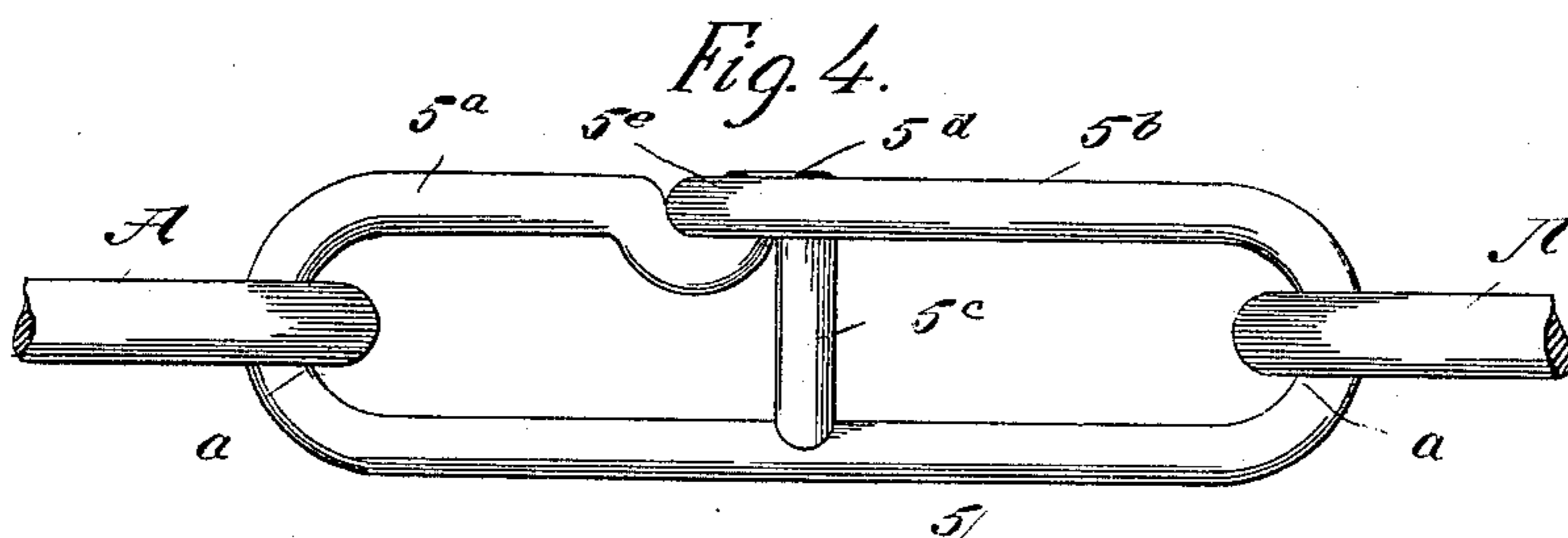
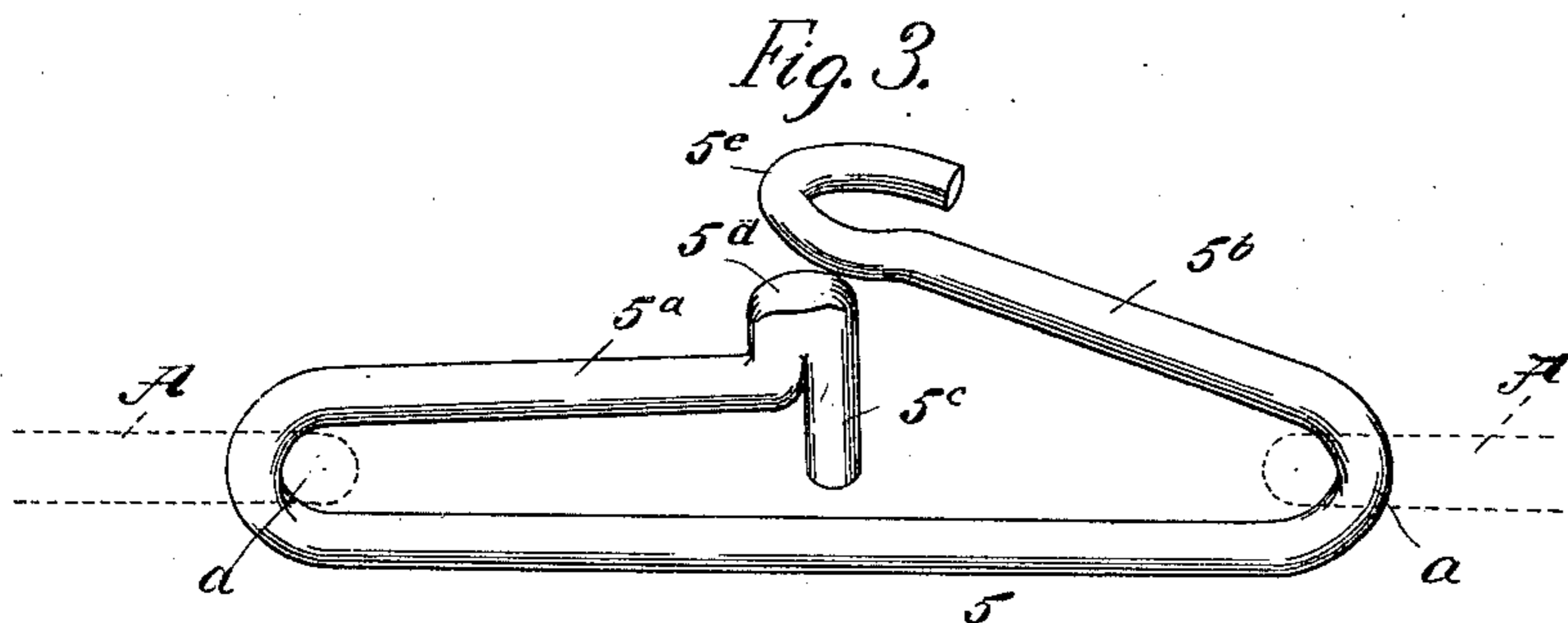
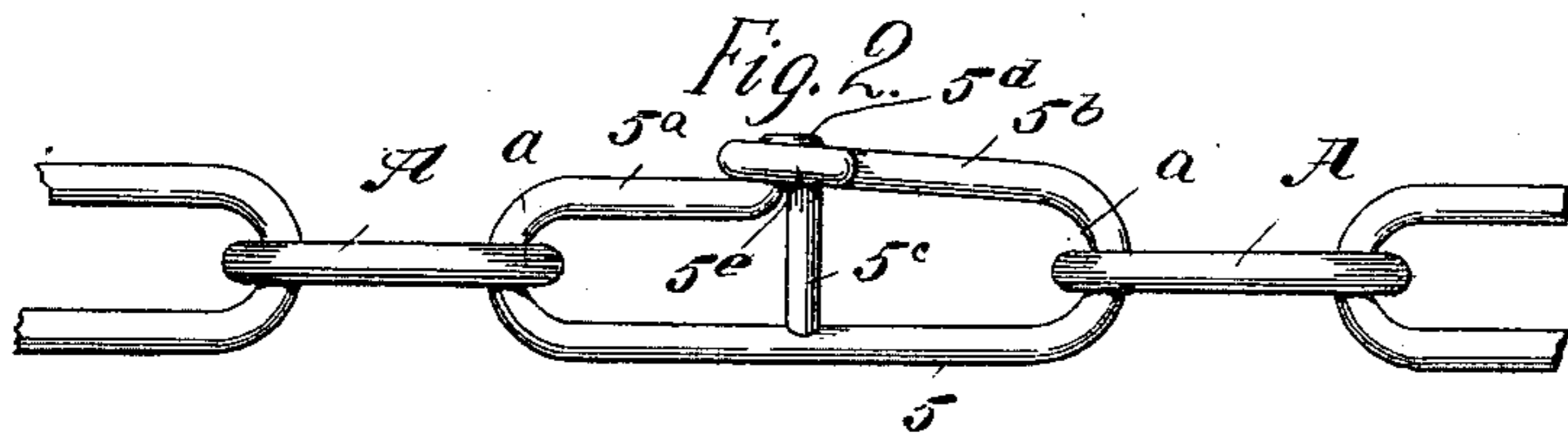
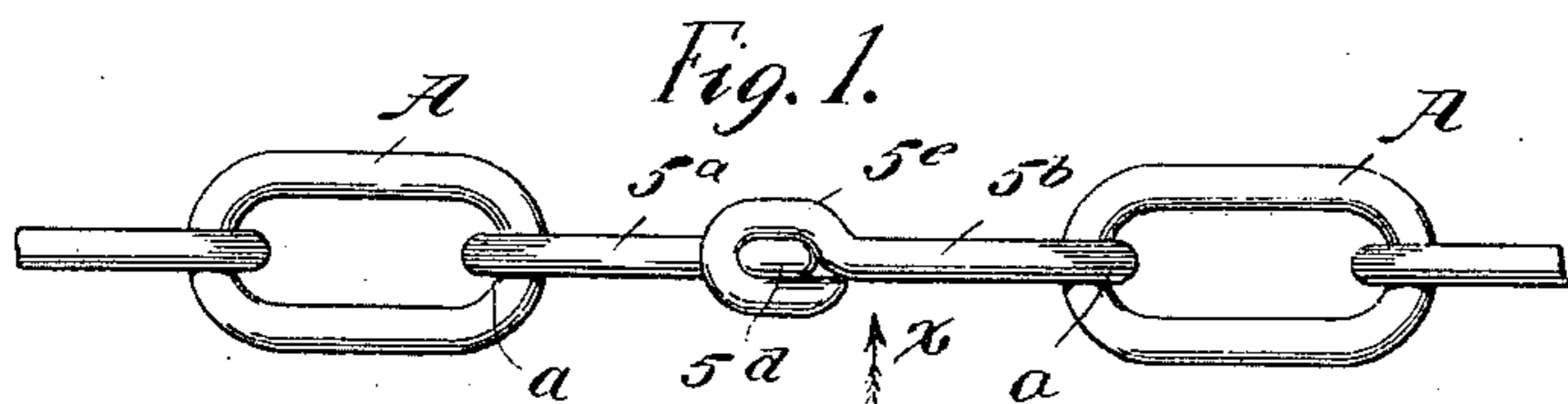
No. 685,554.

Patented Oct. 29, 1901.

F. G. ASBILL.  
REPAIR LINK.

(Application filed May 16, 1901.)

(No Model.)



WITNESSES:

*A. Russell Bond.*

*Wm. L. Patton*

INVENTOR

*Fletcher G. Asbill*

BY *Munn & Co.*

ATTORNEYS

# UNITED STATES PATENT OFFICE.

FLETCHER GLADSTONE ASBILL, OF RIDGESPRING, SOUTH CAROLINA.

## REPAIR-LINK.

SPECIFICATION forming part of Letters Patent No. 685,554, dated October 29, 1901.

Application filed May 16, 1901. Serial No. 60,493. (No model.)

*To all whom it may concern:*

Be it known that I, FLETCHER GLADSTONE ASBILL, a citizen of the United States, and a resident of Ridgespring, in the county of Saluda and State of South Carolina, have invented a new and Improved Repair-Link, of which the following is a full, clear, and exact description.

This invention relates to links provided for the repair of broken trace-chains or other chains, and has for its object to provide a very simple repair-link which is light, strong, easy to apply to a broken chain, and when applied serves to securely connect the separated portions of the chain. The device is especially applicable as a lap-ring or in lieu of a lap-ring such as is used ordinarily to connect a singletree and clevis to plow-beams, &c.

The invention consists in the novel construction and combination of parts, as is hereinafter described, and defined in the appended claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a side view of two ends of a chain and an edge view of the improved repair-link applied to and connecting the ends of the chain. Fig. 2 is a side view of the improvement as applied and seen in the direction of the arrow *x* in Fig. 1. Fig. 3 is an enlarged perspective view of the repair-link in opened condition ready for application to mend a broken chain; and Fig. 4 is an enlarged side view of the invention in closed adjustment, forming a connecting-link between two portions of a chain.

The improved repair-link is preferably formed of a single piece of metal, primarily in rod form, and in the process of manufacturing said link the material is properly heated and return-bent at two points somewhat removed from the ends of the rod, thus providing two loops *a*, that become the ends of the repair-link, and also two free limbs  $5^a$   $5^b$ , which are spaced from the opposite members *5*, which extend between the loops *a*, as shown clearly in Fig. 3.

Upon the free end of the link member  $5^a$  a leg  $5^c$  is formed by heating and bending the rod material at a right angle to the body of said member, and by manipulation with suit-

able tools a hump  $5^d$  is formed at the junction of the leg with the link member  $5^a$ , said hump in service becoming a lug. At the free end of the link member  $5^b$  an eye  $5^e$  is formed, which may be left open, as shown in Fig. 3, until the link is to be put into use for repair of a broken chain.

When the improved connectible link is to be utilized for repair of a chain, the separated link members  $5^a$   $5^b$  are respectively hooked upon an end link of the chain *A* that is to be repaired, as indicated by dotted lines in Fig. 3. The lug  $5^d$  is now struck with a hammer while the member *5* of the link is supported upon an anvil or other suitable support, which will close the leg  $5^c$  down upon the link member *5*, as shown in Figs. 2 and 4, and now the link attachment is completed by driving the open eye  $5^e$  down over the lug  $5^d$  and then closing said eye, so that it closely embraces the lug.

It will be seen that the improved repair-link is light, strong, and braced where its two separable members are joined, and, furthermore, that the manner in which these members  $5^a$   $5^b$  are connected and are supported by the leg  $5^c$  conduces greatly to the strength and durability of the improvement.

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

1. A repair-link, comprising an open link, one end thereof having a lug and a leg thereon, and the other end provided with an open eye adapted for closure upon the lug above the leg when the link is applied.

2. A repair-link, comprising an oblong body formed by bending a loop at each end of a long link member, said bends providing two short link members opposite the long member, one of the short members having a leg bent toward the long link member, and also a lug formed at the junction of the leg and said short member, the other short link member having an open eye on its free end, which is driven over the lug and closed thereon when the link is applied for service.

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

FLETCHER GLADSTONE ASBILL.

Witnesses:

W. S. BOATWRIGHT,  
MC. MITCHELL.