

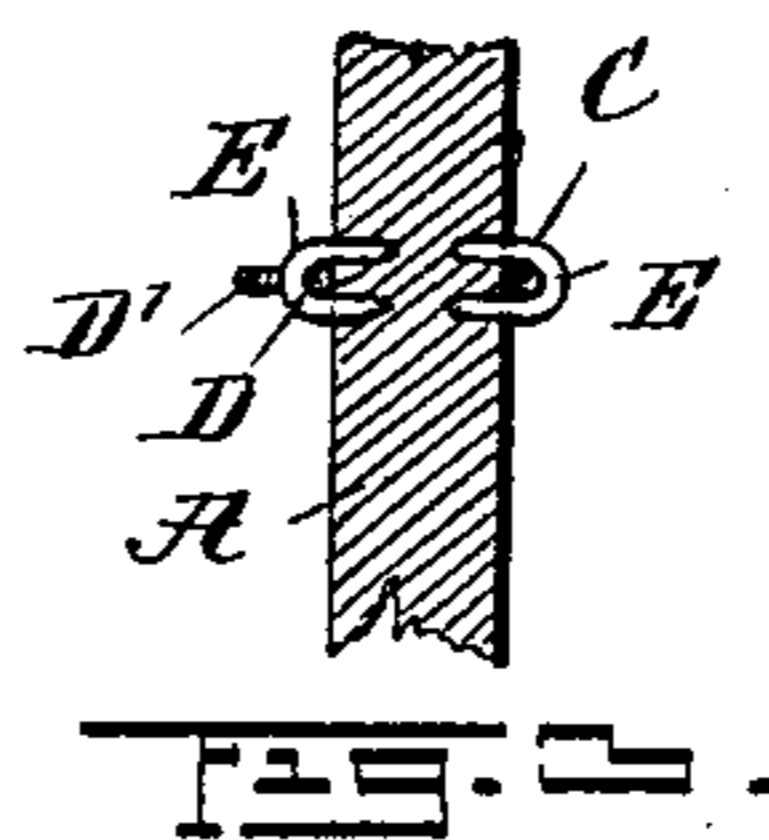
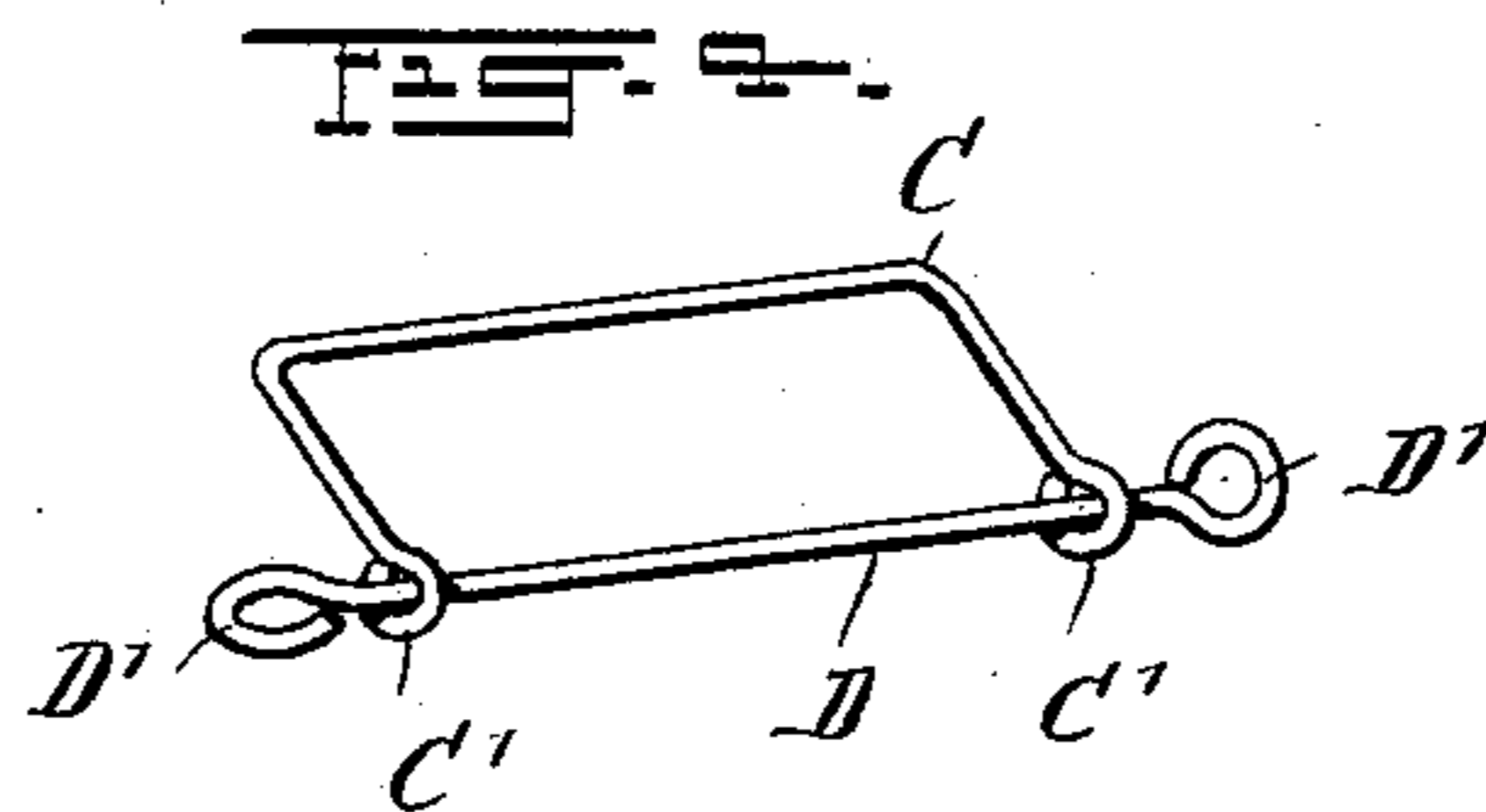
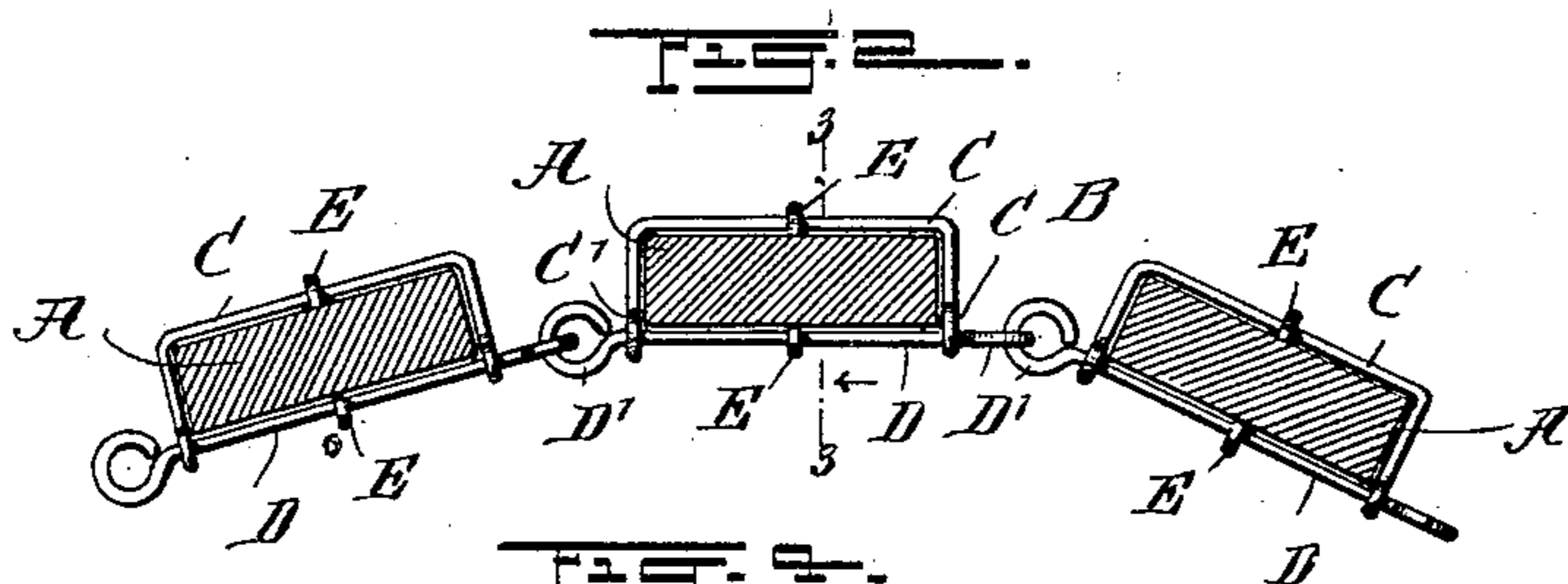
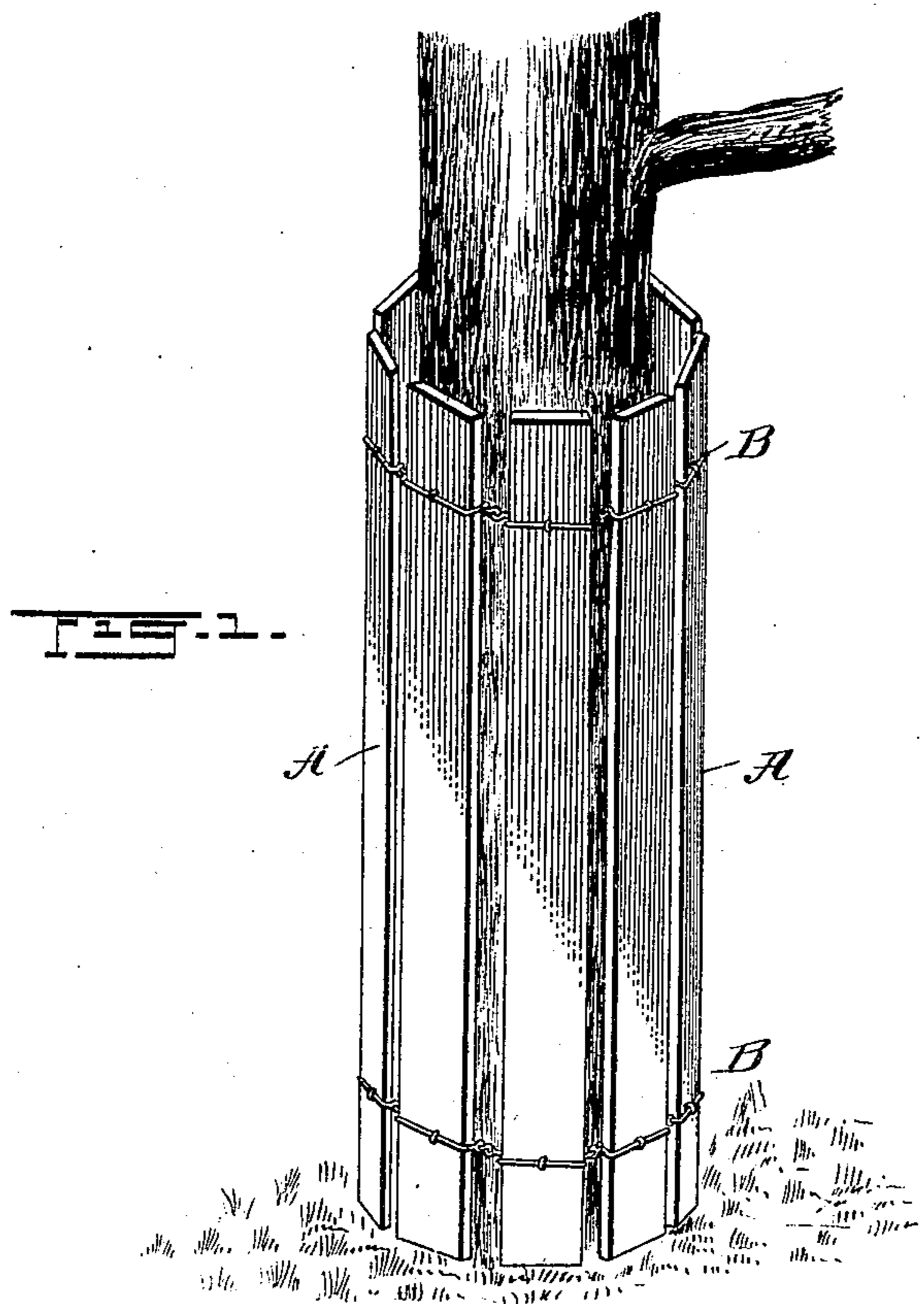
No. 682,031.

Patented Sept. 3, 1901.

C. A. CHISOLM.
TREE PROTECTOR.

(Application filed June 18, 1901.)

(No Model.)



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UNITED STATES PATENT OFFICE.

CASPAR A. CHISOLM, OF CHARLESTON, SOUTH CAROLINA.

TREE-PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 682,031, dated September 3, 1901.

Application filed June 18, 1901. Serial No. 65,022. (No model.)

To all whom it may concern:

Be it known that I, CASPAR A. CHISOLM, a citizen of the United States, and a resident of Charleston, in the county of Charleston and State of South Carolina, have invented new and useful Improvements in Tree-Protectors, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved tree protector or guard which is simple and durable in construction, cheap to manufacture, easily set up, and arranged to freely sway with the trunk of the tree to avoid chafing of the bark.

The invention consists of novel features and parts and combinations of the same, as will be fully described hereinafter and then pointed out in the claims.

A practical embodiment of the invention is represented in the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of the improvement as applied. Fig. 2 is an enlarged sectional plan view of part of the improvement. Fig. 3 is a transverse section of the same on the line 3 3 of Fig. 2, and Fig. 4 is a perspective view of one of the ring-links.

The improved tree protector or guard consists, essentially, of a plurality of pickets or slats A, engaging links of rings B, preferably two in number and arranged near the upper and lower ends of the pickets or slats A. Each ring B consists of links made of two members, of which one is the socket C and the other the retaining and connecting pin D. The sockets C and pins D are preferably fastened by staples E to the pickets or slats A, as is plainly illustrated in the drawings, to hold the rings B in proper position near the ends of the pickets or slats A. Each socket C is made from a single piece of wire bent into U shape with eyes C' at its ends, the socket conforming approximately to the shape of the picket or slat A, as will be readily understood by reference to Fig. 2. Each pin D is made from a single piece of wire, is passed through the eyes C', and is formed at its ends with eyes D' on the outside of the eyes C', so as to hold the pin D against disengagement from the

sockets C. The eyes D' of each pin preferably stand at right angles one to the other, and the eyes D' of adjacent pins are hooked one into the other, so as to connect the several links of a ring with each other to make the ring continuous and of such size as to fit the trunk of the tree. By arranging the eyes D' of each pin at angles with each other it is evident that adjacent pins can be readily connected with each other at the eyes, so as to render the links as flexible as possible in each of the rings B.

From the foregoing it is evident that the pickets or slats A can be readily pushed into the sockets of the links and then secured in place therein by the staples, it being evident that by using more or less links larger or smaller rings B can be formed, according to the size of the trunk of the tree to be encircled by the protector or guard.

The device can be very cheaply manufactured, and in using the tree-protector I prefer to set the lower ends of the pickets directly on the ground, so that the protector can sway with the trunk of the tree, and hence chafing of the bark is not liable to take place.

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

1. A tree-protector, comprising links and slats held in the links, each link consisting of a socket and a retaining and connecting pin, the several pins being connected with each other, and each pin extending to the ends of the socket to hold the slat in the socket, as set forth.

2. A link for picket-fencing, comprising a socket for receiving a picket formed at its ends with eyes, and a retaining and connecting pin extending through the said eyes, the pin being formed with eyes at its ends outside of the eyes of the socket to hold the pin against displacement on the socket, as set forth.

3. A link for picket-fencing, comprising a socket for receiving a picket formed at its ends with eyes, and a retaining and connecting pin extending through the said eyes, the pin being formed with eyes at its ends outside of the eyes of the socket to hold the pin

against displacement on the socket, the eyes on the pin standing at angles one to the other, as set forth.

4. A tree-protector, comprising links and
5 slats held in the links, each link consisting of a socket, and a retaining and connecting pin, the several pins being connected with each other, and each pin extending to the ends of the socket to hold the slat in the

socket, and staples for fastening the sockets to and pins to the pickets, as set forth.

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

CASPAR A. CHISOLM.

Witnesses:

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L. A. WALKER.