

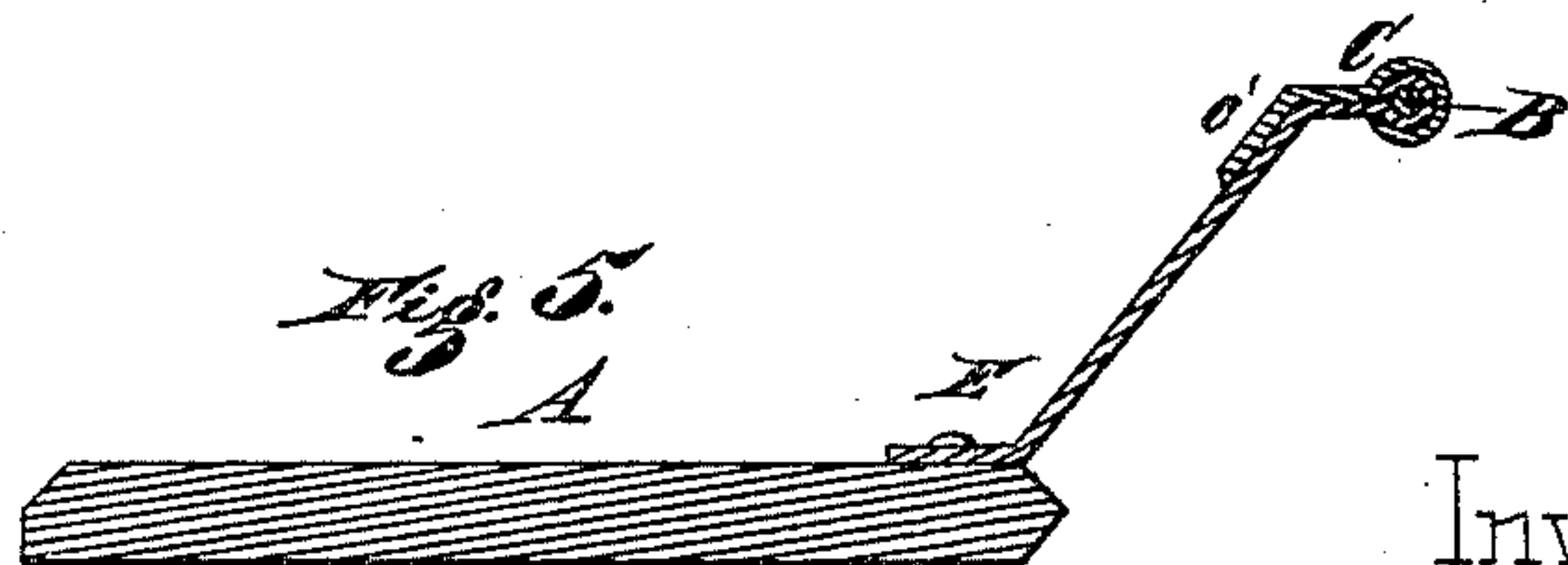
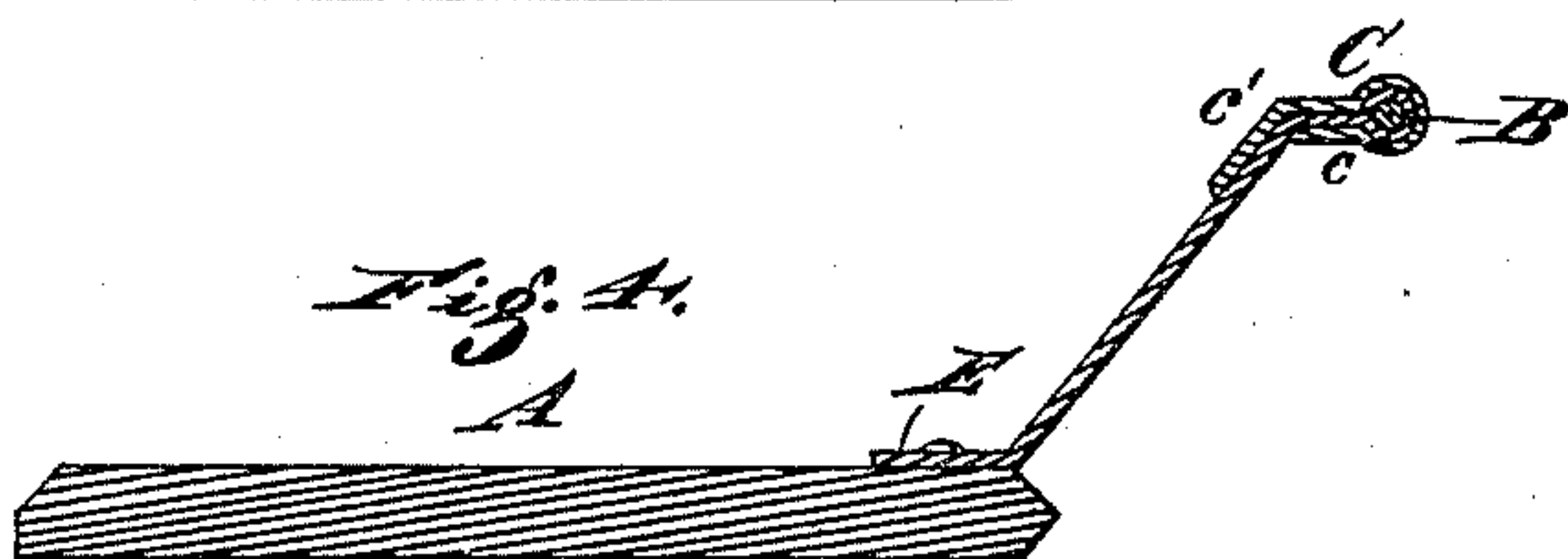
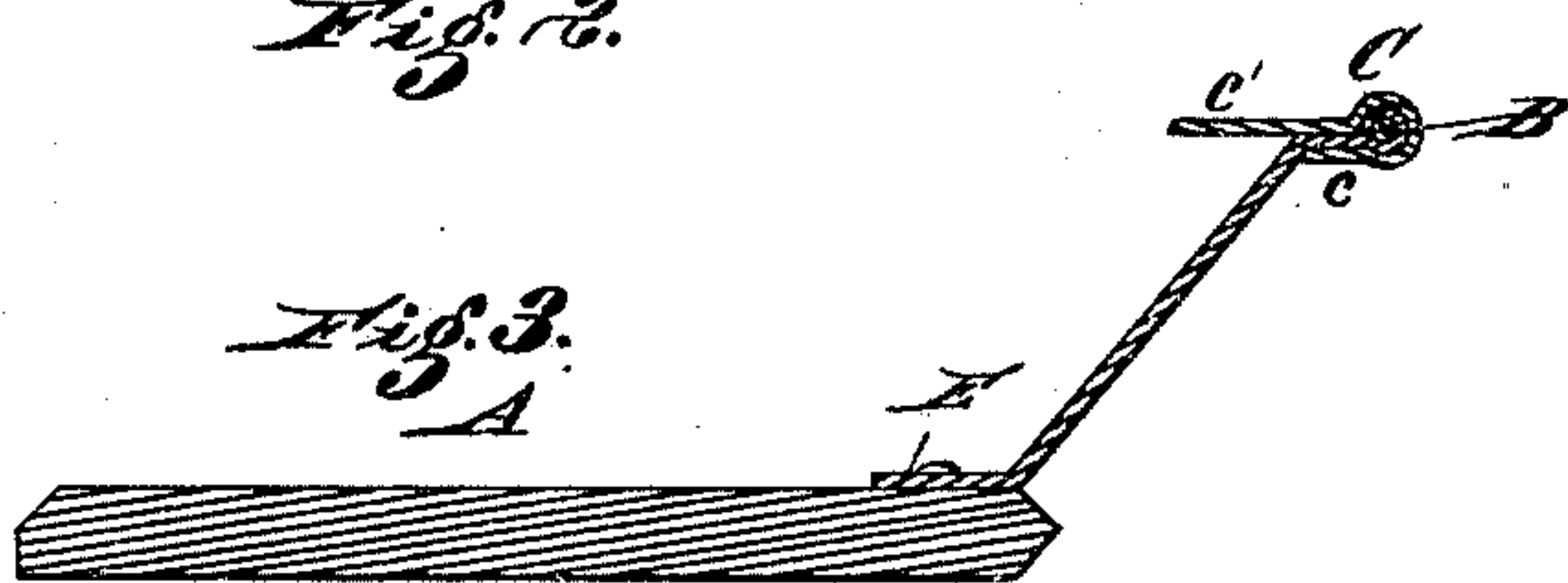
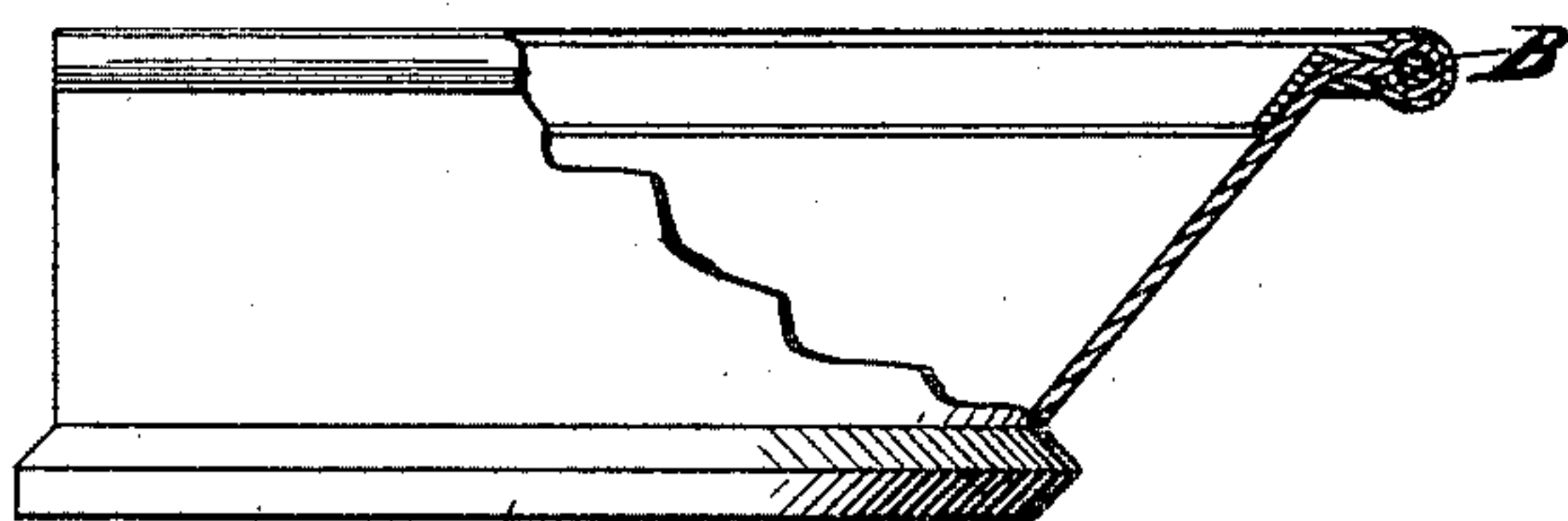
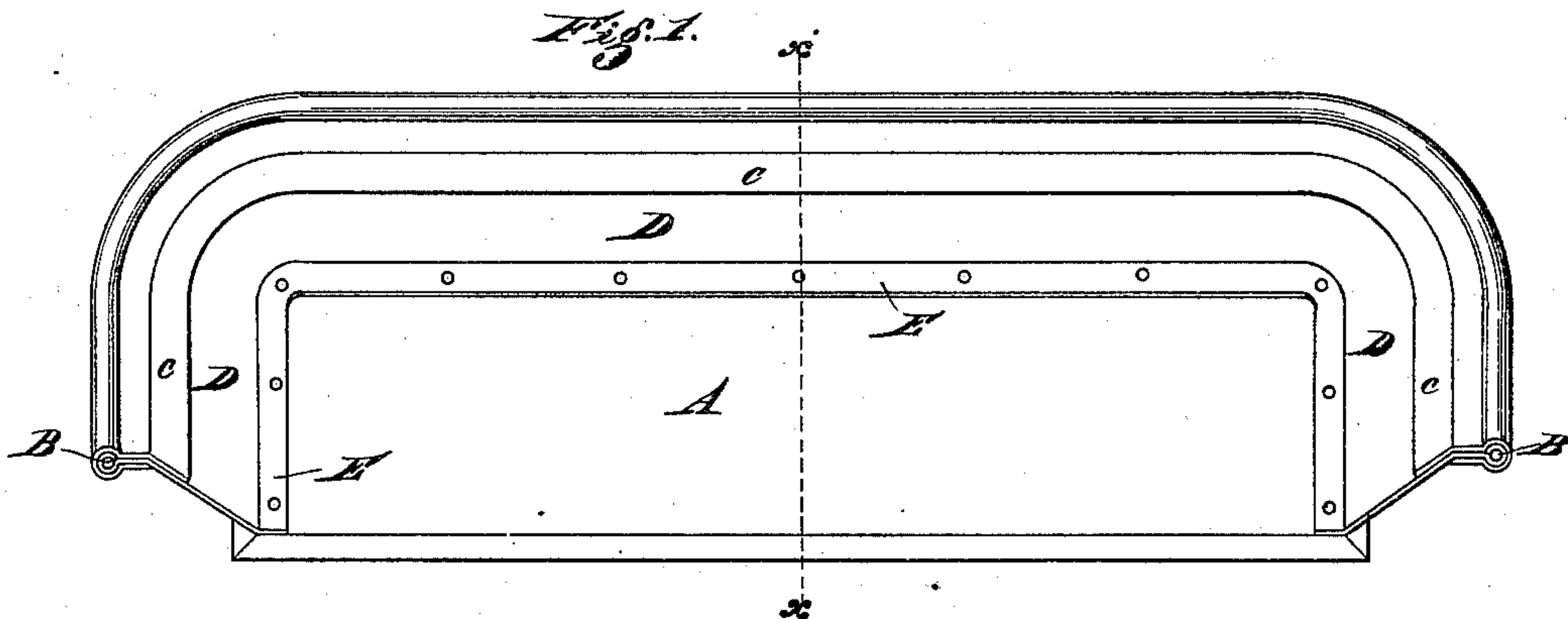
(No Model.)

F. A. COMSTOCK.

VEHICLE SEAT.

No. 286,178.

Patented Oct. 9, 1883.



Attest,

Geo. E. Miles
Attorney

Inventor,

Frank A. Comstock
by Stim & Peck
his attys.

UNITED STATES PATENT OFFICE.

FRANK A. COMSTOCK, OF COLUMBUS, OHIO.

VEHICLE-SEAT.

SPECIFICATION forming part of Letters Patent No. 286,178, dated October 9, 1883.

Application filed April 24, 1883. (No model.)

To all whom it may concern:

Be it known that I, FRANK A. COMSTOCK, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented a certain new and useful Improvement in Vehicle-Seats, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

Figure 1 represents a plan view of my improved seat. Fig. 2 represents a side view, partly in section. Fig. 3 represents a section of the back, with the sheath before it is rolled around the flange. Fig. 4 represents the same as Fig. 3, with the sheath rolled down tight. Fig. 5 represents a modified form of the flange and sheath.

The class of metallic seats to which my improvement relates have the back and sides constructed either of a single piece of sheet metal or several pieces properly jointed, and are provided with a lower flange for attaching the back and sides to the sill of the seat, also with an upper flange for stiffening and strengthening it. Usually a flat iron fillet is used to supplement the flange in strengthening the back and sides.

My improvement consists in substituting for the fillet a wire and sheet-metal sheath or cap, by which means I make a lighter, cheaper, and, in some respects, a better seat, and am enabled to use much of the sheet metal which would otherwise be lost.

A is the sill of the seat, usually of wood; D, the back and sides, of sheet metal; E, the lower flange, by which the back and sides are bolted to the sill. B is the wire, rolled into the edge of the upper flange; C, the sheath or cap.

The seat back and sides may be made, in the usual form, of a single piece of metal, or of several pieces jointed together, and, instead of a plain upper flange, I roll a wire in the outer edge of the flange of any suitable size, as

shown at B in Fig. 2. This of itself serves to strengthen and stiffen the seat; but in addition I cover the flange and wire with a V-shaped sheath or cap, (shown at C,) embracing the wire and fillet. The lower arm of this sheath *c* extends flush against the back of the seat. The upper arm, *c'*, is a little longer than the lower. The whole flange and cap are then carefully and firmly rolled or stamped together, as shown in Fig. 4, and the longer arm *c'* is bent down to make a smooth strong corner at the upper edge of the seat, and also to firmly hold the sheath on the seat. In addition to this rolling, bolts may be used passing through the flange and both arms of the sheath. The wire rolled into the edge of the flange and embraced by the sheath gives strength and stiffness to the seat and a beaded edge to the flange, making a more durable and a handsomer seat, as well as a cheaper one.

In Fig. 5 I show a modified form, where the lower arm of the sheath is shorter, and is only long enough to extend round and embrace the wire, which is rolled in the edge of the flange.

I am aware that seats with the back and sides formed of sheet metal are old, and I do not claim that as my invention; but,

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

A vehicle-seat having the back and sides formed of sheet metal, with an upper flange, the outer edge of which is rolled round a wire, and the wire and flange embraced by a V-shaped sheath or cap, the upper arm of which is made long enough to bend down over the upper corner of the seat-back, so as to form a smooth corner and hold the sheath in place without the use of bolts or rivets.

FRANK A. COMSTOCK.

Witnesses:

GUS. STEVENSON,
THEO. COMSTOCK.