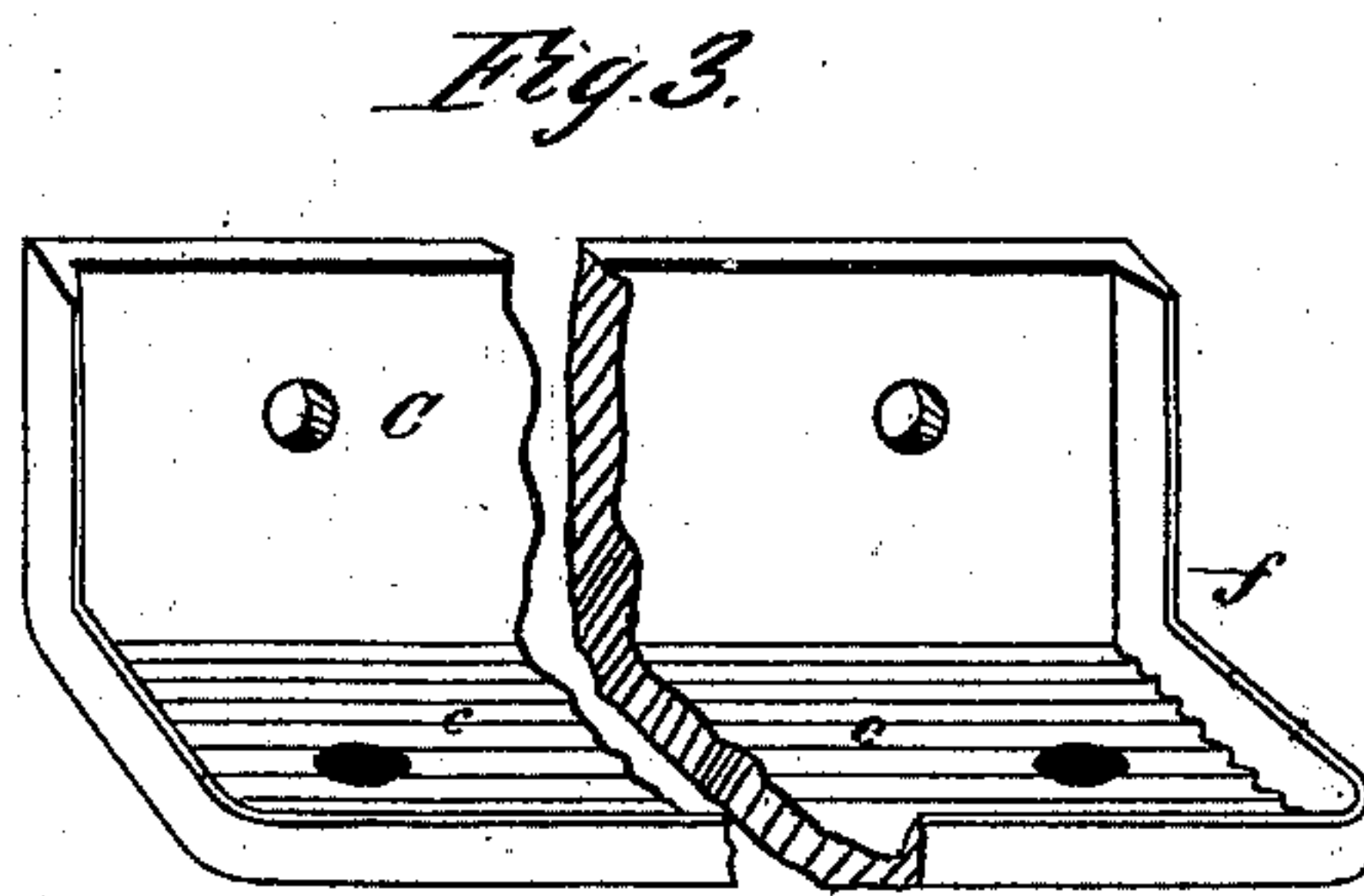
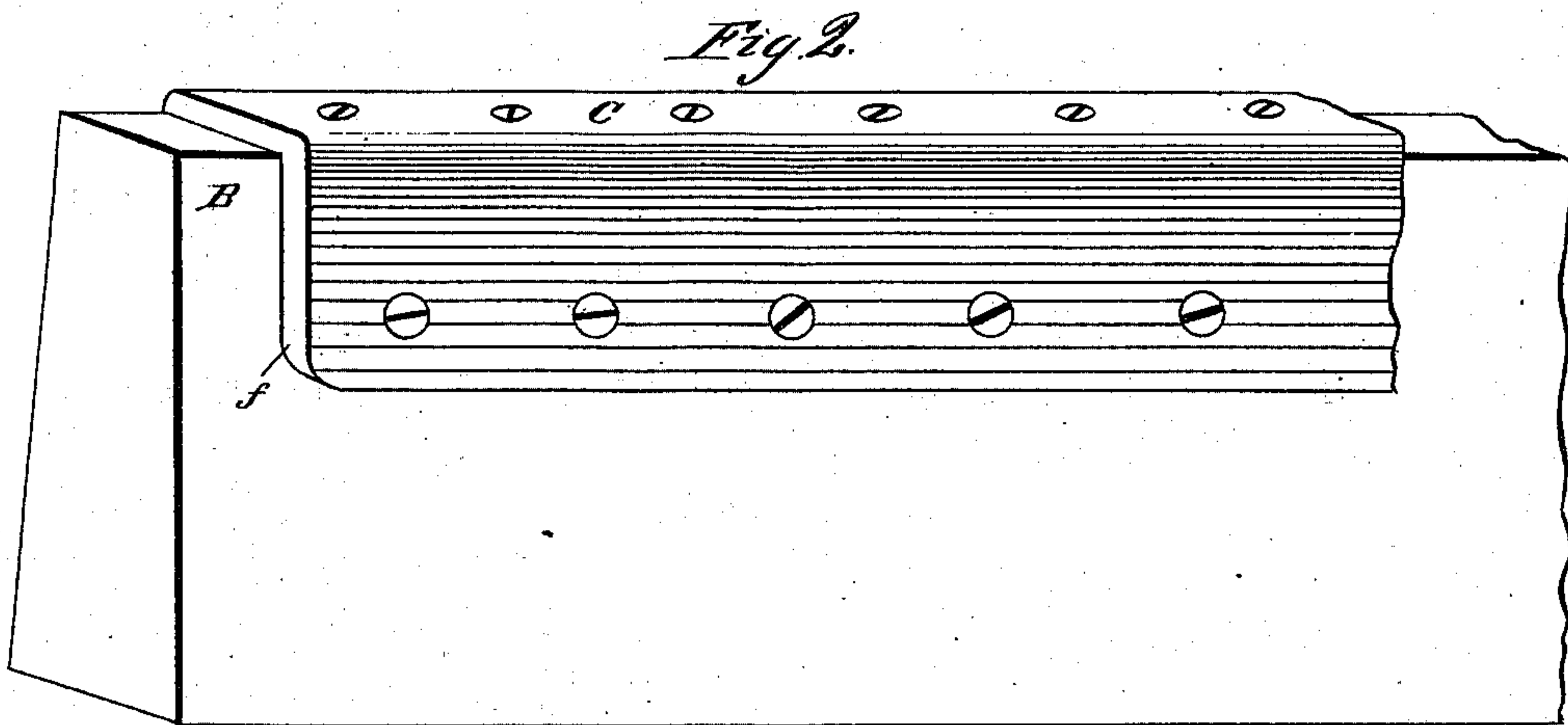
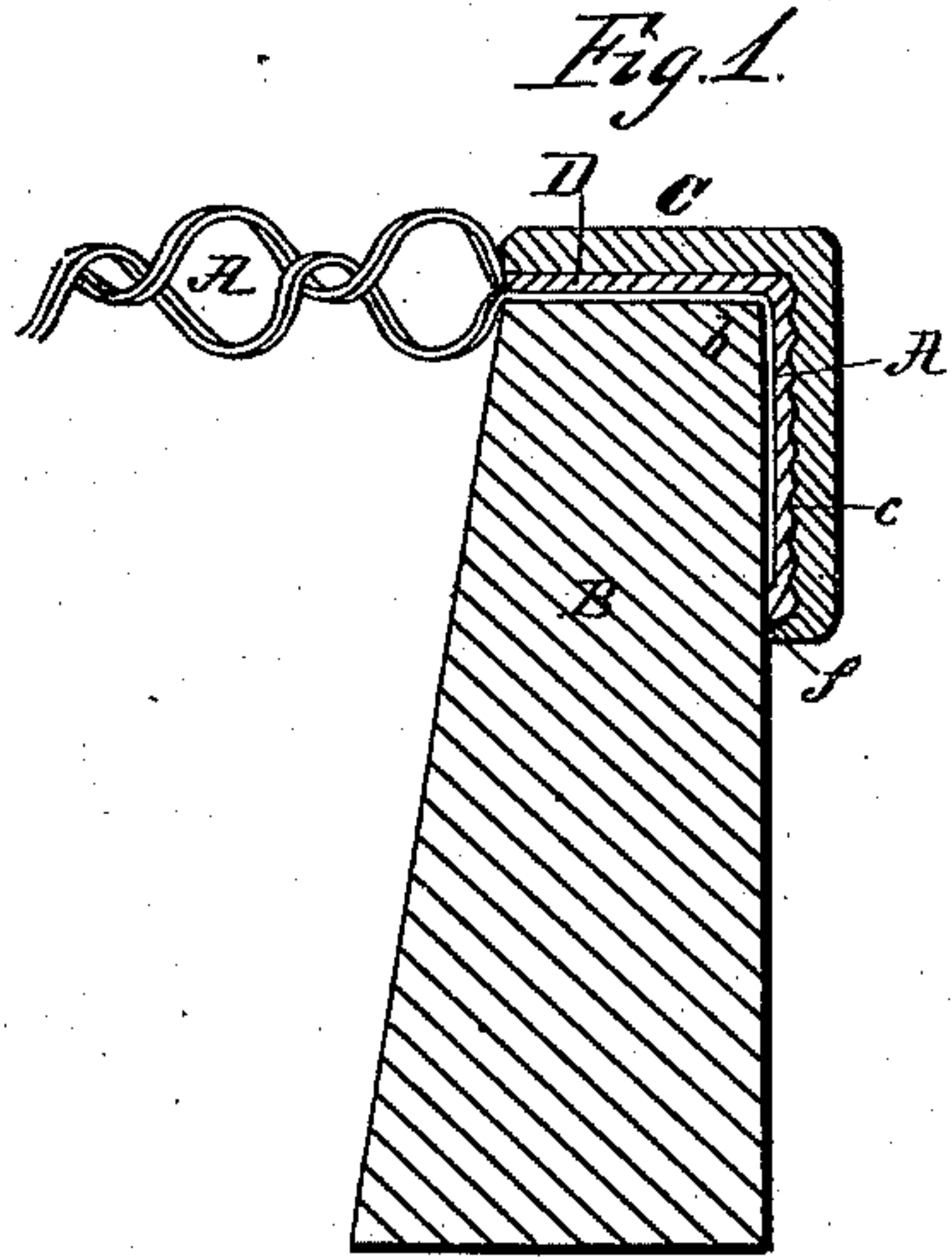


(Model.)

J. N. STEVENSON.  
Fastening for Woven Wire Fabrics.

No. 238,982.

Patented March 15, 1881.



WITNESSES:

F. B. Townsend,  
W. C. Adams.

INVENTOR:

John N. Stevenson,  
per M. E. Dayton,  
Attorney.

# UNITED STATES PATENT OFFICE.

JOHN N. STEVENSON, OF CHICAGO, ILLINOIS, ASSIGNOR TO MALLETT,  
RAYMOND & CO., OF SAME PLACE.

## FASTENING FOR WOVEN-WIRE FABRICS.

SPECIFICATION forming part of Letters Patent No. 238,982, dated March 15, 1881.

Application filed February 3, 1881. (Model.)

*To all whom it may concern:*

Be it known that I, JOHN N. STEVENSON, of Chicago, in the State of Illinois, have invented certain new and useful Improvements in Fastenings for Woven-Wire Fabrics; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to a fastening intended to more closely, neatly, and permanently secure wire fabric to bed-rails, and to offer no retreat for vermin.

It consists, first, in a metal plate or cap adapted to be screwed over the flattened fabric, binding the same to the rail, and provided with a marginal flange, which is forced into the wood of the rail, whereby the admission of bugs beneath the plate is prevented; second, in the combination of parts, as will be hereinafter more fully set forth and specifically claimed.

In the drawings, Figure 1 is a transverse section of an end rail of a bed-bottom having woven-wire fabric secured thereto by my improved fastening. Fig. 2 is an exterior perspective view of the rail and fastening; and Fig. 3 is a view of the under face of a metal angle-plate, showing the marginal flange thereon.

A is the woven-wire fabric. B is the wooden rail. C is the clamping-plate, and D is a body of felt or similar material inserted beneath the plate C and over the ends of the fabric-wires. The wire ends are flattened down upon the rail, and bent down over the outer angle, *b*, and secured by large tacks. The strip D, of felt or heavy cloth, is then laid over the wire and beneath the plate, and the latter is secured, by screws or otherwise, in the position shown, with its inner edge and that of the felt flush with the inner vertical edge of the rail. In addition to the security afforded by the felt strip for the exclusion of vermin, the plate has a marginal flange, *f*, which, in fastening the plate, is forced into the wood of the rail, thereby closing the openings otherwise produced by the wires. When such flange is

present and the plate is an angle-plate, the felt strip need not extend down upon the vertical surface of the rail, though it is better in any case to employ a strip wide enough to fill the entire space beneath the plate, as shown in Fig. 1.

I prefer that the plate be double-flanged or angular, as shown in the several figures of the drawings, and for the purpose of giving greater security to the fastening I provide the sharp longitudinal corrugations *c* on the inner vertical face of the plate shown in Fig. 3, so that the wire ends, being bent over the angle *b* of the rail, are unevenly pressed by the corrugations, and thereby more firmly held. The angle form of plate has the advantages of greater neatness and of greatly adding to the strength of the rail without materially increasing its size.

The above-described devices, when properly applied, are sufficient to exclude vermin from between the rail and clamp-plate; but as, in the necessarily cheap manufacture of bed-bottoms, defects in the construction or application of the plate are likely to occur, I propose, for the purpose of still further assuring the end desired, to apply to the felt some one of the numerous powders or other preparations calculated to repel or destroy vermin of the kind which usually infest beds. Whether applied in solution or in powder, the open texture of the felt will readily admit the material, and when compressed will retain it.

Having thus described my invention, I claim—

1. The metal plate C, provided with the marginal flange *f*, in combination with the wooden rail B and fabric A, substantially as described.

2. The angle-plate C, having the corrugations *c* in its inner vertical face, and the marginal flange *f*, as an improved article of manufacture.

In testimony that I claim the foregoing as my invention I affix my signature in presence of two witnesses.

JOHN N. STEVENSON.

Witnesses:

M. E. DAYTON,  
PETER J. ELLERT.