

No. 618,882.

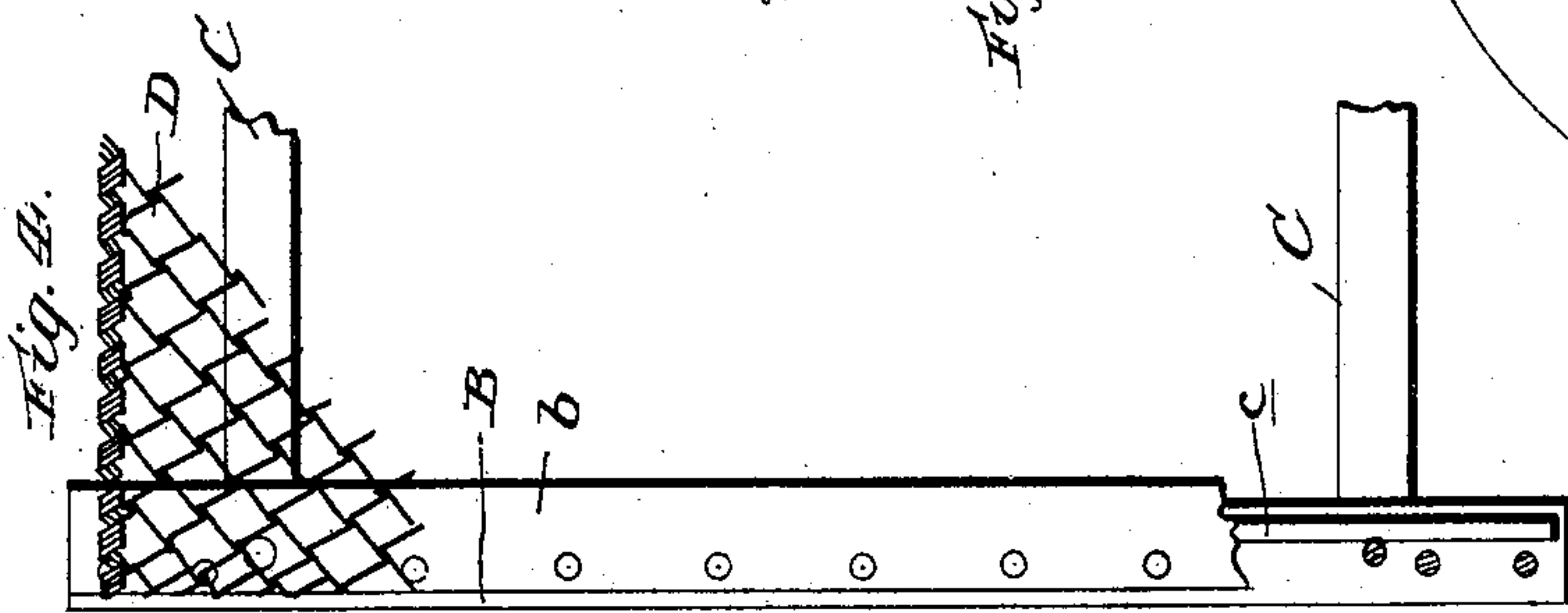
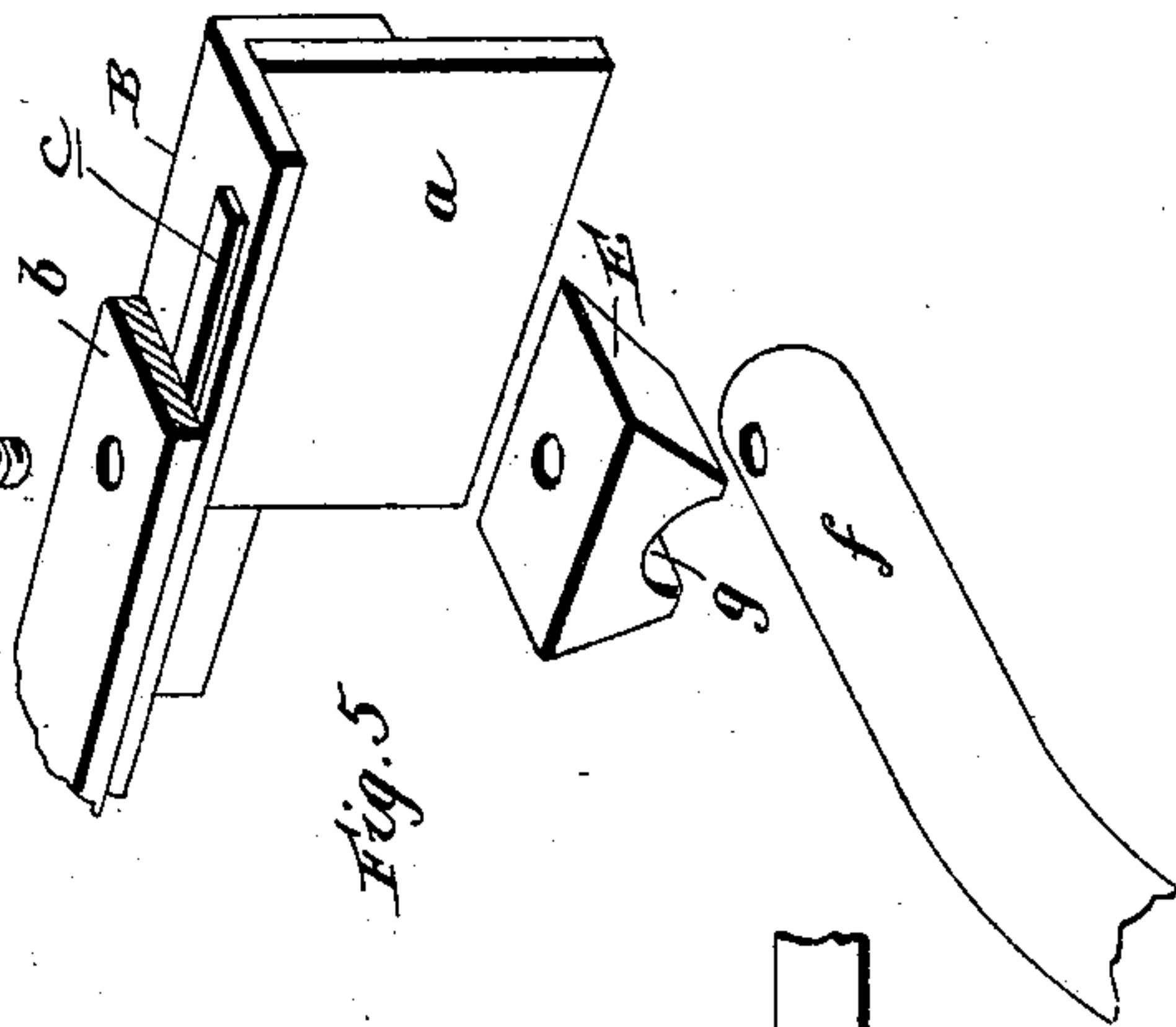
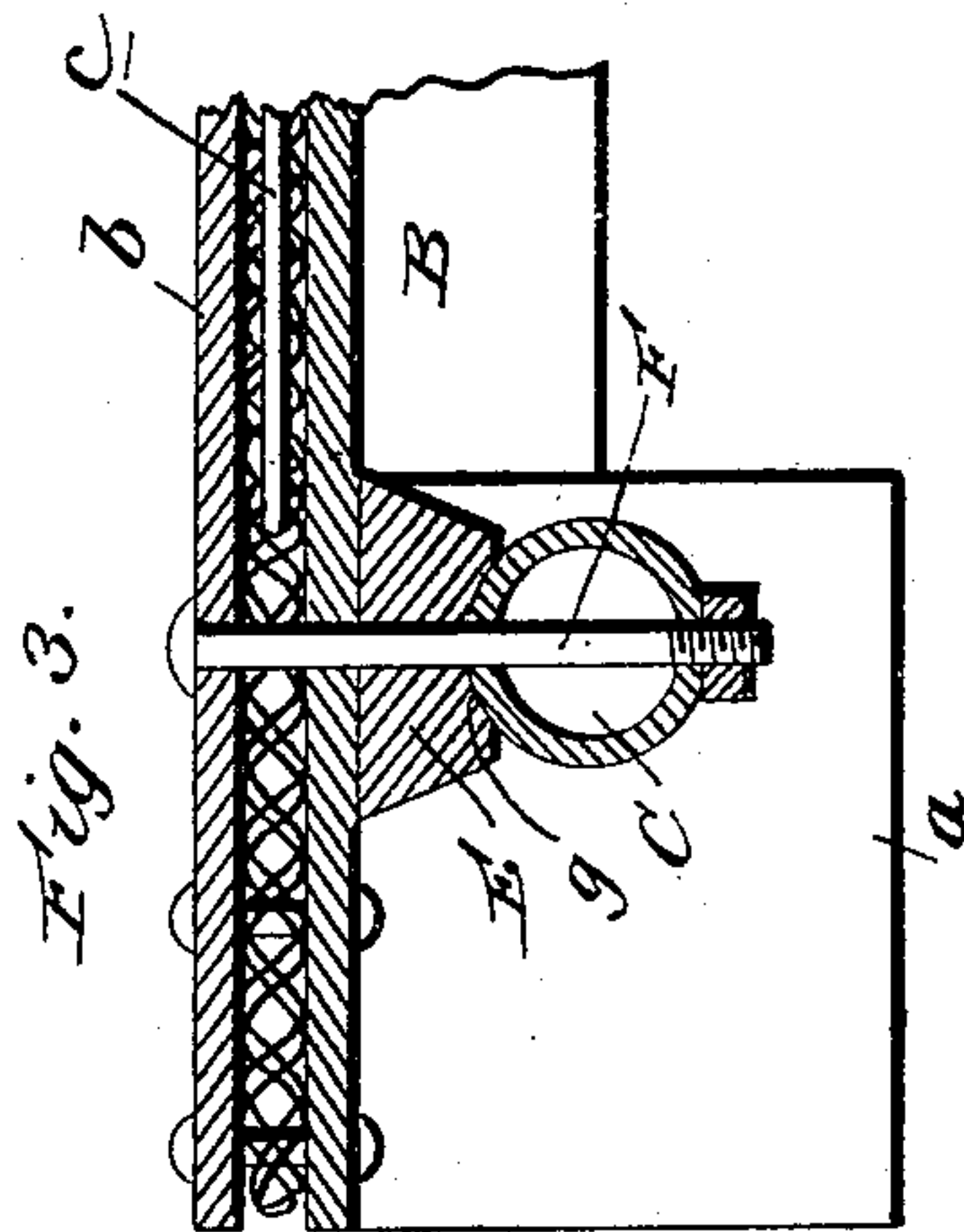
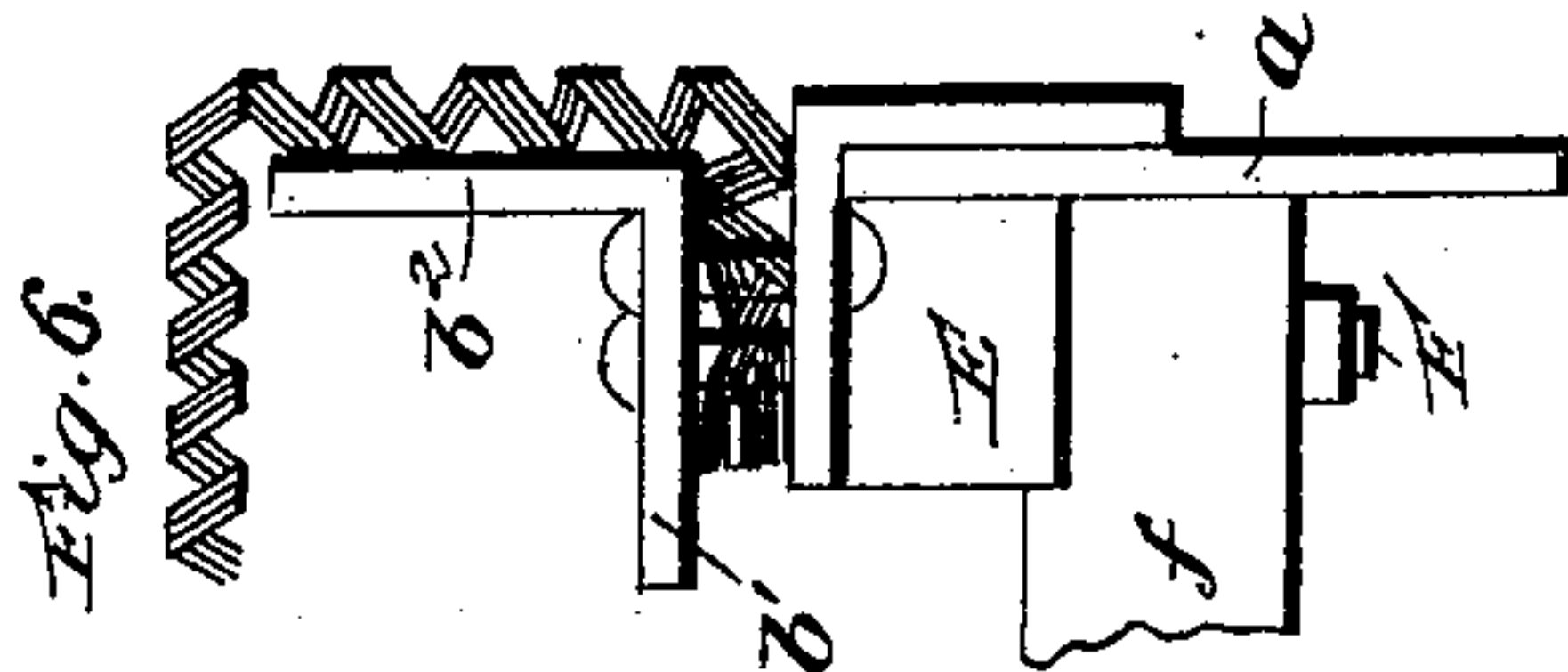
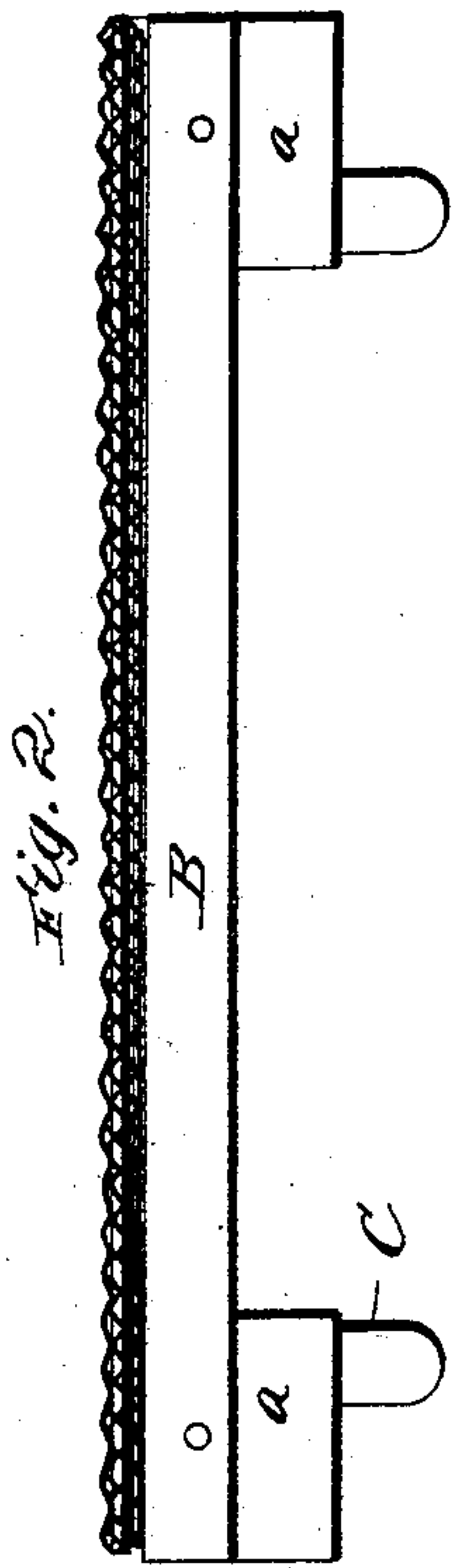
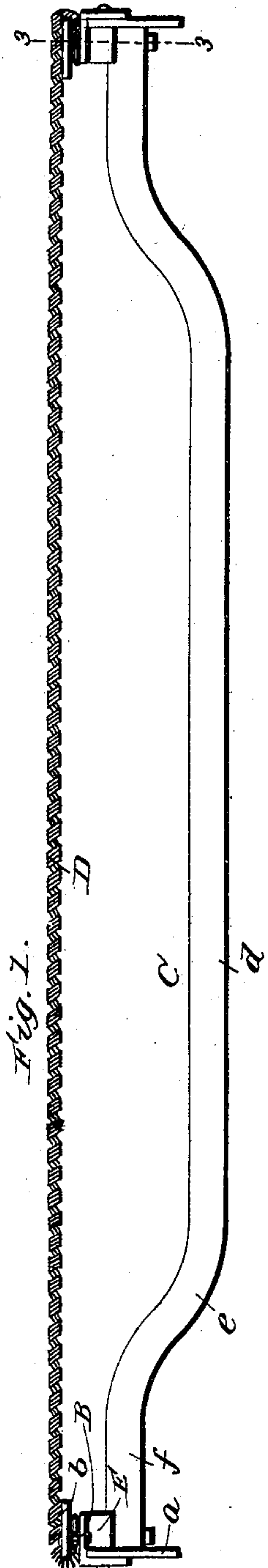
Patented Feb. 7, 1899.

A. E. JACOBSON.

BED.

(Application filed May 27, 1898.)

(No Model.)



Witnesses:
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UNITED STATES PATENT OFFICE.

ANDREAS E. JACOBSON, OF NEW YORK, N. Y.

BED.

SPECIFICATION forming part of Letters Patent No. 618,882, dated February 7, 1899.

Application filed May 27, 1898. Serial No. 681,898. (No model.)

To all whom it may concern:

Be it known that I, ANDREAS E. JACOBSON, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented new and useful Improvements in Beds, of which the following is a specification.

My invention relates to that class of beds which have frames of metal, and is designed more particularly for use on metallic bedsteads, and it will be fully understood from the following description and claims when taken in conjunction with the annexed drawings, in which—

Figure 1 is a side elevation of my improved bed. Fig. 2 is an end elevation. Fig. 3 is an enlarged transverse section taken in the plane of the line 3 3 of Fig. 1. Fig. 4 is a detail plan. Fig. 5 comprises disconnected views of the parts through the medium of which the longitudinal truss-bars are connected with the end bars. Fig. 6 is a detail view illustrating a modification in the manner of connecting the mattress with the end bars.

Referring by letter to the said drawings, and more particularly to Figs. 1 to 5 thereof, A designates the frame of my metallic bed, which comprises end bars B and longitudinal bars C. The end bars B are of angle-iron and are provided at or adjacent to their ends with depending portions *a*, designed to bear upon ledges at the inner sides of the rails of a metallic bedstead, so as to support the mattress D of the bed at a considerable height above the bedstead-rails, as is desirable. Said depending portions or supports might be formed by extending the depending portions of the end bars B at the ends of said bars; but I prefer to form them of separate plates which are riveted to the depending portions of the end bars, as shown.

The mattress D, which is preferably of woven wire, is connected with the upper horizontal portions of the angle-irons, as shown in Fig. 1—that is to say, its ends are carried over plates *b*, which are riveted to the end bars, and are interposed between said plates *b* and the end bars and also between the plates *b* and small interposed strips *c*. This effects a very strong and durable connection of the mattress to the end bars, as will be readily appreciated.

In lieu of employing a flat plate *b* an angle-iron plate *b'*, such as shown in Fig. 6, may be employed, and the mattress may be carried over the upwardly-extending portion *b'* thereof, so as to give added height to the mattress, as desirable.

The longitudinal truss-bars C of the bed-frame are preferably of gas-pipe and have their intermediate portions depressed, so as to rest in a plane below the upper edges of the side rails of a bedstead and prevent lateral displacement of the bed therefrom, and also permit ample sag of the middle of mattress D without being struck or engaged by the same. In addition to the depressed intermediate portions (lettered *d*) the bars C have the intermediate upwardly-disposed portions *e* and the horizontal end portions *f*. In virtue of this manner of shaping the bars C their intermediate portions may be disposed at a considerable distance below the mattress D, which is desirable for the reasons stated, and at the same time their ends may be made to abut against the depending portions of the end bars B, so as to better brace and hold the said end bars apart.

The mattress being connected to the upper portions of the end bars B and the pull incident to the imposition of weight on the mattress being upon said upper portions of the end bars, it is desirable that said upper portions of the end bars, as well as the depending portions, should have a bearing upon the truss-bars. To this end I provide metallic blocks or supports E, which are interposed between the upper portions of the end bars and the end portions *f* of the truss-bars and are designed to effectually prevent downward sagging of the said upper portions of the end bars. The supports E have recesses *g* in their under sides to seat the truss-bars, and they are secured in position by the connecting-bolts F, which take through the truss-bars, the supports E, the upper portions of the angle-iron end bars, and the plates *b*, as shown, and effect a strong and durable connection of said elements.

It will be readily appreciated from the foregoing that my improved bed is simple and easy to manufacture and is at once light, strong, and durable, all of which features are desirable in a bed.

Having thus described my invention, what I claim is—

1. The metallic bed comprising angle-iron end bars having upper horizontal portions and also having depending portions, longitudinal bars interposed between and abutting at their ends against the depending portions of the end bars; said bars being each formed of a single piece of bent gas-pipe and respectively having an intermediate depressed portion, upwardly-extending intermediate portions at the ends of the depressed portion, and straight end portions, plates disposed above the upper, horizontal portions of the end bars, a mattress having its ends interposed between said plates and the upper horizontal portions of the end bars, supports having concavities in their under sides and interposed between the straight end portions of the longitudinal bars and the horizontal portions of the end bars, and vertical bolts taking through and connecting the longitudinal bars, the interposed supports, the upper horizontal portions of the end bars, and the plates thereon, substantially as specified.

2. In a metallic bed, the combination of the

angle-iron end bars having upper horizontal portions and also having depending portions, longitudinal tubular bars interposed between and abutting at their ends against the depending portions of the end bars, supports interposed between the longitudinal bars and the upper portions of the end bars, angle-iron plates disposed above the end bars and having the upwardly-extending portions, the mattress arranged above the upwardly-extending portions of the angle-plates and having its ends interposed between said angle-iron plates and the end bars of the frame, and upright connecting-bolts taking through the longitudinal bars, the supports, the upper portion of the angle-iron end bars, and the lower portion of the angle-iron plates, substantially as specified.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

ANDREAS E. JACOBSON.

Witnesses:

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PROSPÈRE H. DUFFEUIL.