

No. 771,811.

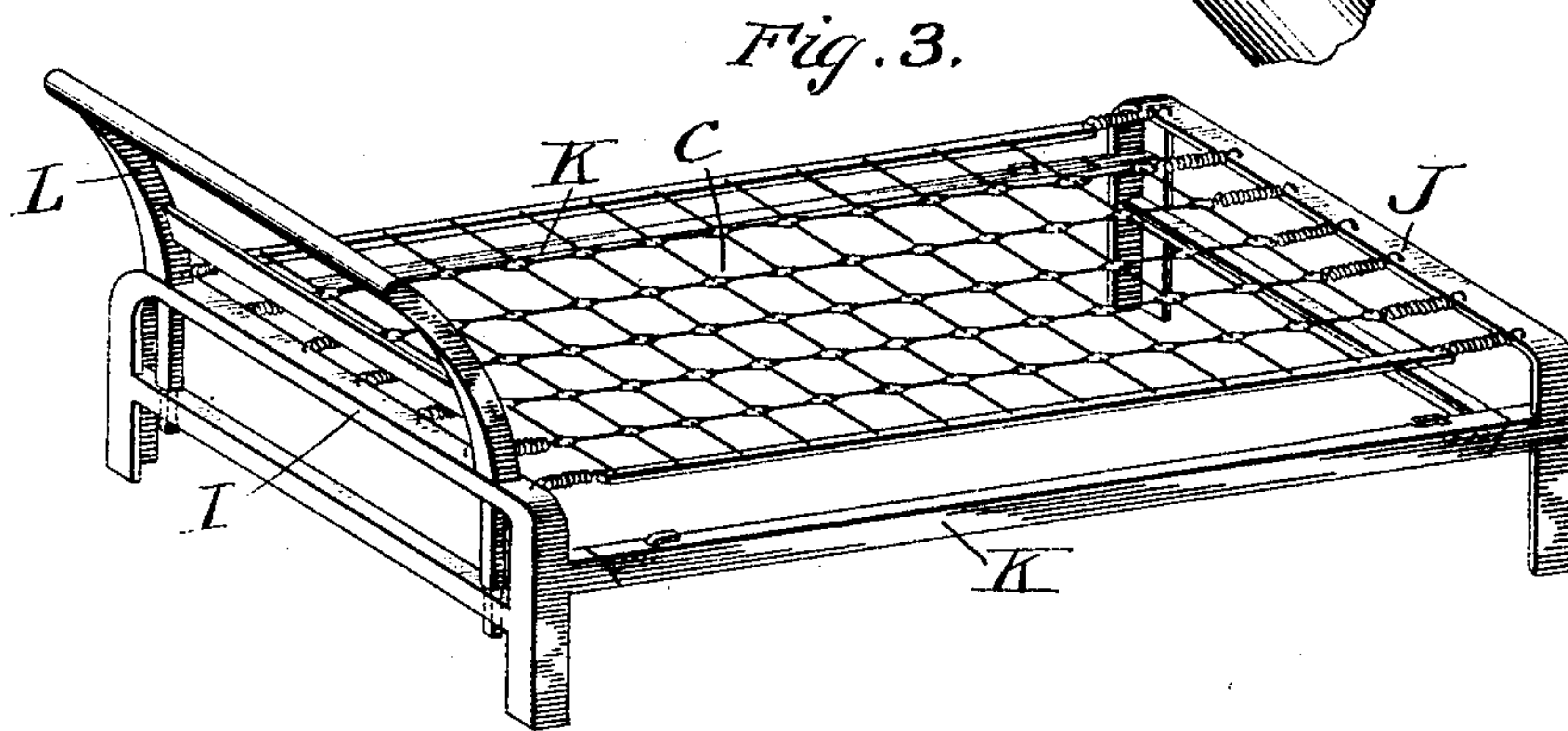
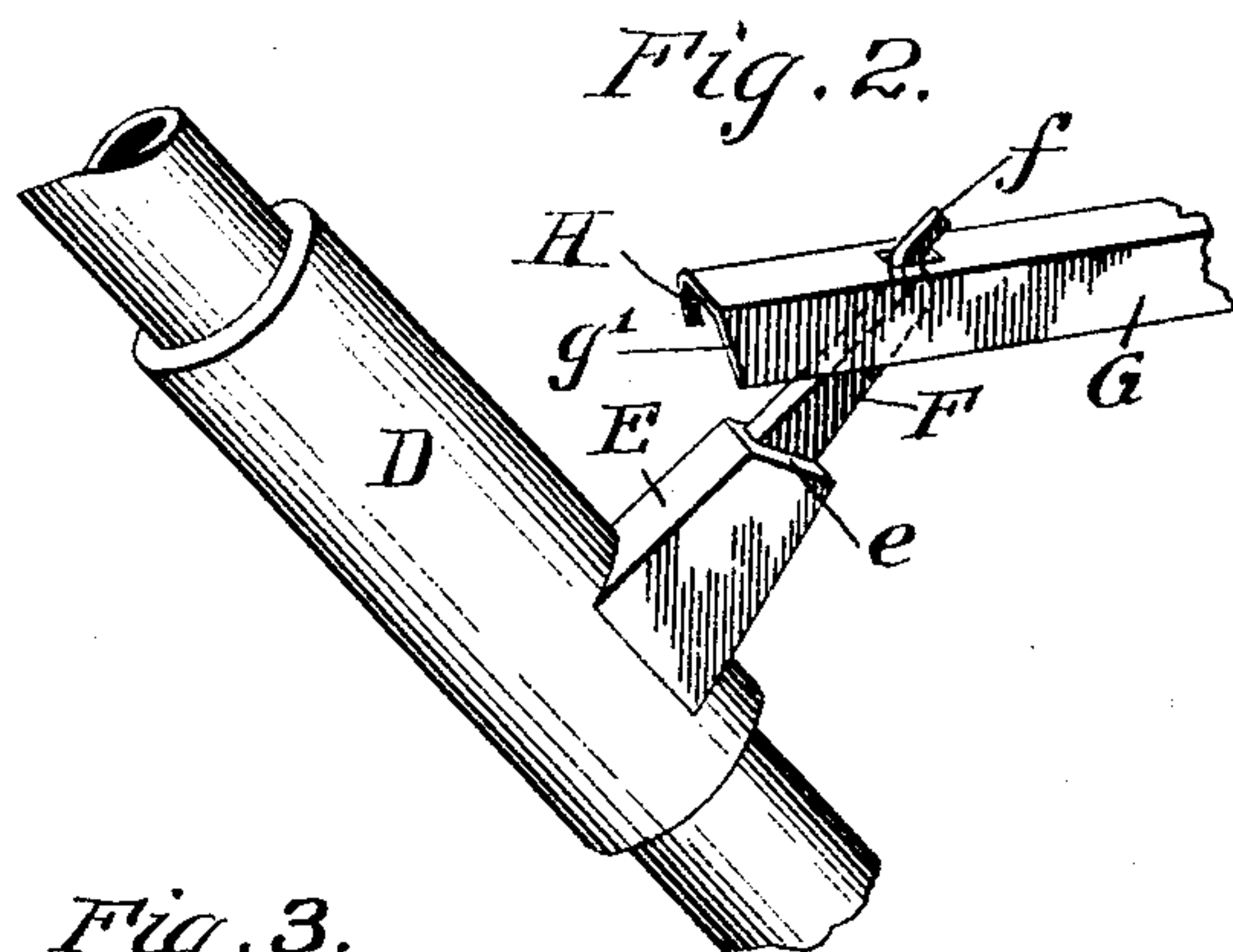
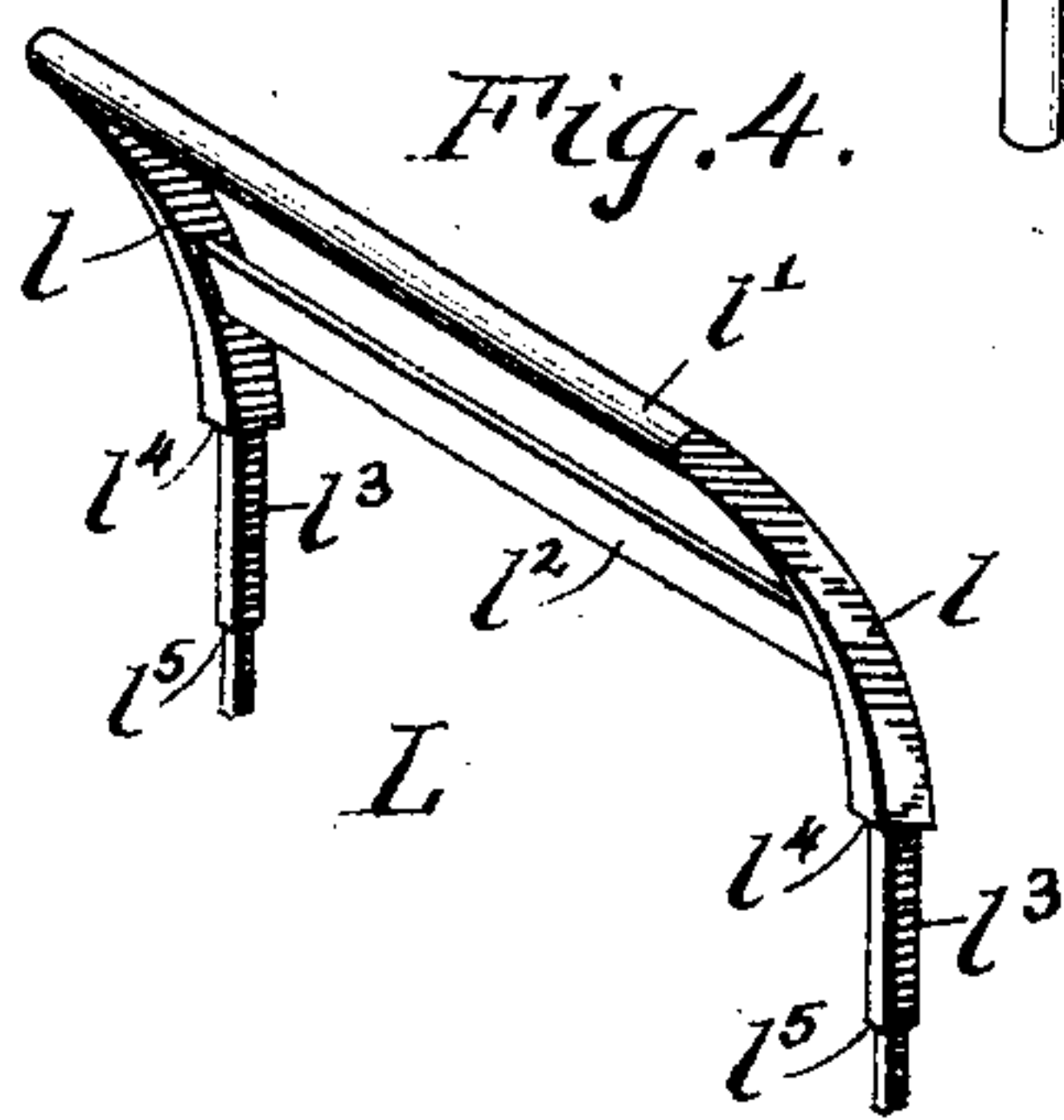
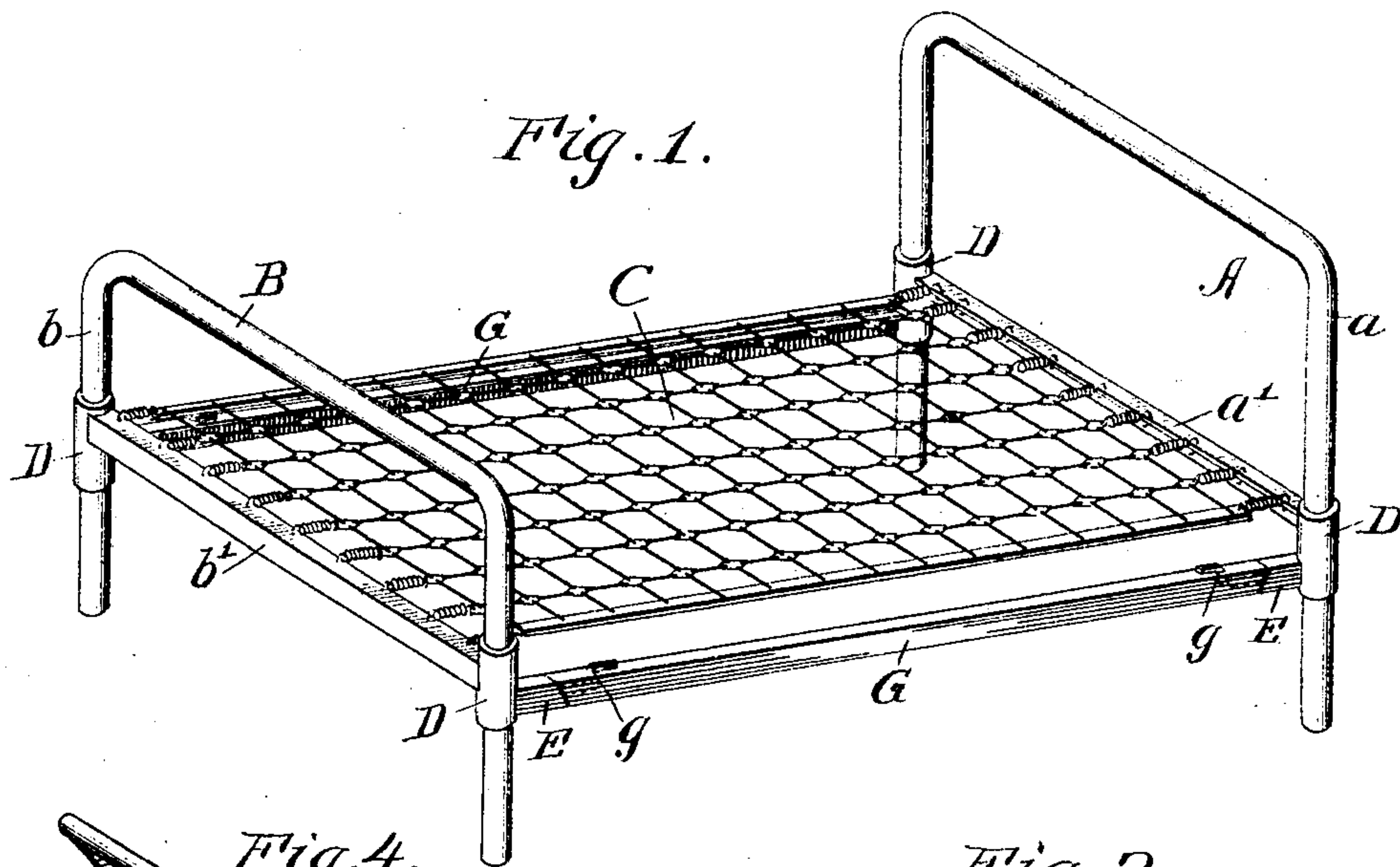
PATENTED OCT. 11, 1904.

W. E. COLLIER.
BEDSTEAD.

APPLICATION FILED JUNE 24, 1904.

NO MODEL.

2 SHEETS—SHEET 1.



Witnesses
Ernest Pulsford
[Signature]

Inventor
W. E. Collier.

By his Attorneys
Baldwin & Wright

No. 771,811.

PATENTED OCT. 11, 1904.

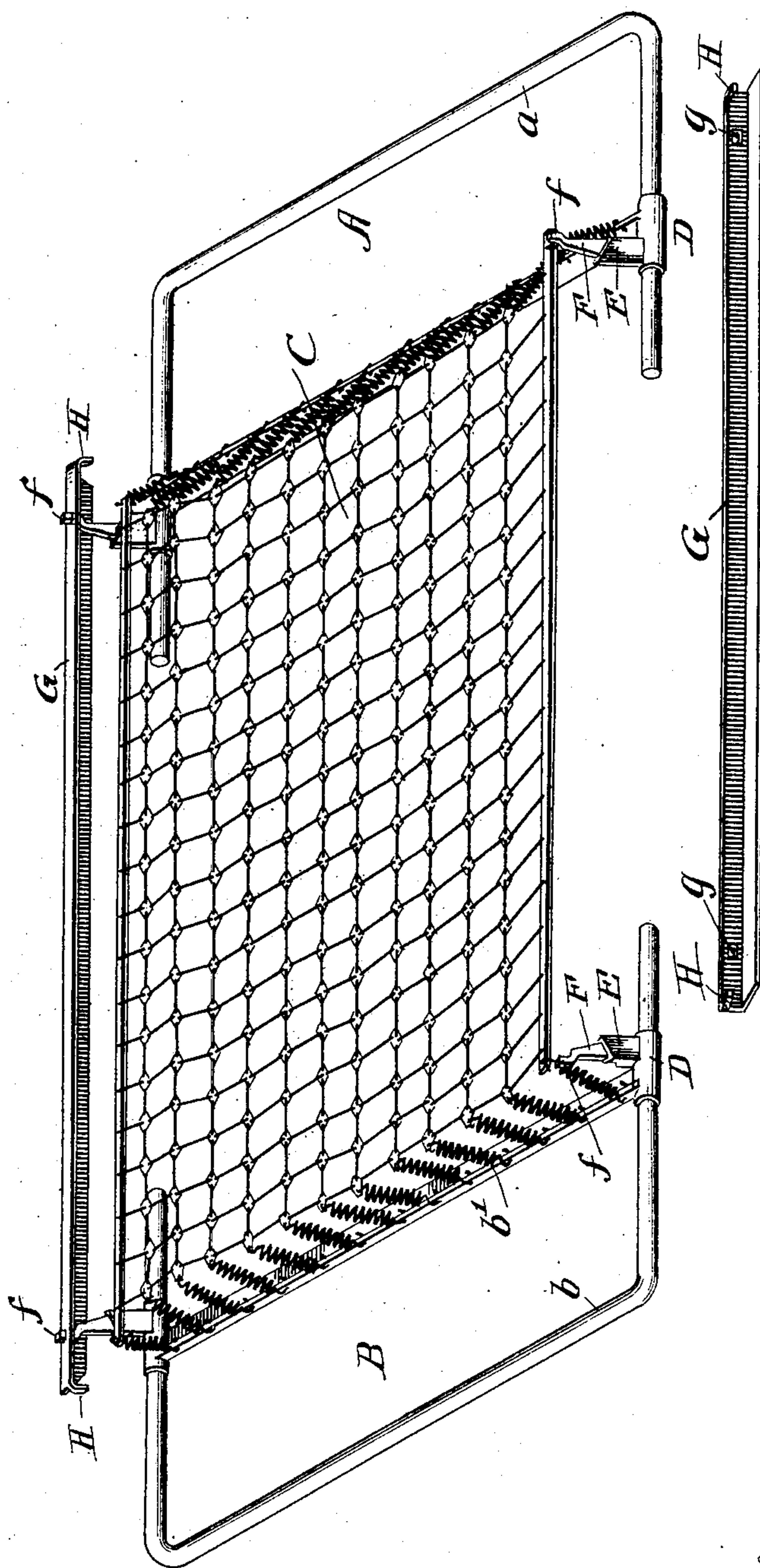
W. E. COLLIER.
BEDSTEAD.

APPLICATION FILED JUNE 24, 1904.

NO MODEL.

2 SHEETS—SHEET 2.

Fig. 5.



Witnesses
Ernest Pulsford
[Signature]

Inventor
W. E. Collier

By his Attorneys
[Signature]

UNITED STATES PATENT OFFICE.

WILLIAM E. COLLIER, OF WASHINGTON, DISTRICT OF COLUMBIA.

BEDSTEAD.

SPECIFICATION forming part of Letters Patent No. 771,811, dated October 11, 1904.

Application filed June 24, 1904. Serial No. 213,948. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM E. COLLIER, a citizen of the United States, residing at Washington, in the District of Columbia, have invented certain new and useful Improvements in Bedsteads, of which the following is a specification.

The object of my invention is to provide a bedstead that may be easily and thoroughly cleaned.

A further object of my invention is to provide a bedstead that may be easily and quickly put together and taken apart and arranged within a small compass for transportation or storage.

In carrying out my invention I construct a bedstead with head and foot frames and side rails which connect the head and foot frames and which have an interlocking connection with the head and foot frames that permits them to be swung vertically and to be readily detached. The head and foot frames each have a rigid cross-piece, and a spring fabric is stretched between the cross-pieces of the head and foot frames. In this way the bedstead proper is made in four parts only. When the four parts are separated, their surfaces are completely exposed and may be easily and thoroughly cleaned.

In the accompanying drawings, Figure 1 is a perspective view of a bedstead embodying my improvements. Fig. 2 is a detail view in perspective and on an enlarged scale, illustrating the interlocking connection between the side rails and the head and foot frames. Fig. 3 is a perspective view of a couch constructed in accordance with my invention. Fig. 4 is a perspective view of the removable head-piece of the couch. Fig. 5 is a perspective view illustrating the manner in which the bedstead may be "broken down" or separated into its component parts, in which condition it may be easily and thoroughly cleaned or packed for transportation.

Referring first to Figs. 1, 2, and 5, I have shown a simple form of bedstead embodying my improvements. The head-frame A is shown as consisting of a tubular outside frame a and a cross-rail a' in the same horizontal plane with the spring fabric C. The foot-

frame B is similar in construction to the head-frame, being composed of the tubular outside frame b and the cross-rail b' , which latter, as well as the cross-rail a' , are preferably made of angle-iron. The cross-rails a' b' are preferably formed integrally with sleeves D, through which the frames a and b extend and with which they are rigidly connected. Each sleeve D is formed with a laterally-projecting arm E, having a tongue F, the outer end of which is bent upwardly at f . The side rails G are made preferably of angle-iron, and each side rail is formed with a vertical aperture g near its end to receive the outer ends f of the tongues F. Each side rail is also formed at each end with a lug H at its extreme end and on its inner side for the purpose of confining the tongues in proper position when in engagement with the side rails. The arms E are beveled or inclined at e to match corresponding inclines g' on the ends of the side rails, so that when the parts are assembled, as shown in Fig. 1, the side rails and arms will closely fit each other; but the arrangement is such that the head and foot frames may be swung vertically outward in the manner indicated in Fig. 2 to break the interlocking connection with the side rails. The spring fabrics C may be of any suitable construction, and it is connected in the manner shown to the end rails a' b' . It will be observed that the spring fabric has no separate frame, as usual, but connects directly with the head and foot frames. It can be detached from the head and foot frames and rolled up for transportation, and when it is so detached and the four parts of the bedstead are separated in the manner indicated in Fig. 5 these four parts may be packed closely together for transportation. When the bedstead is "broken down," or has its parts separated in the manner indicated in Fig. 5, all the parts thereof are exposed and may be easily and thoroughly cleaned. The spring fabric serves to hold the parts firmly together when they are assembled, as shown in Fig. 1, as it then tends to draw the tongues F up against the under sides of the rails G, but by merely catching hold of the tops of the head and foot frames and drawing them outward and push-

ing them downward the interlocking connection between the tongues F and the side rails may be broken in the manner indicated in Fig. 2, and at that time the side rails may
 5 be lifted off from the tongues. The parts may be reassembled very easily and in an obvious manner.

In Figs. 3 and 4 I have shown my improvements applied to a couch. In this instance
 10 the head-frame I and the foot-frame J are made of angle-iron and are of the same size. The side rails K are connected to the head and foot frames in the same manner as that before described and as illustrated in Fig. 1.
 15 The head-frame of the couch is provided with a removable head-piece L. This is shown as consisting of side pieces l^1 , a top piece l^2 , and a cross-piece l^3 . The side pieces are provided with projections l^4 , having shoulders
 20 l^5 , adapted to enter corresponding recesses in the head-frame. The head-piece can be easily removed and packed with the other parts for transportation.

I claim as my invention—

25 1. A bedstead, comprising head and foot frames having cross-rails permanently secured thereto, a spring fabric connecting said cross-rails, side rails and arms extending from the head and foot frames under the side rails and
 30 which have an interlocking vertically-swinging connection therewith.

2. A bedstead, comprising head and foot frames having cross-rails, side rails, arms ex-

tending from the head and foot frames under the side rails and formed with tongues ex- 35
 tending through vertical apertures therein and resting on the top thereof, and a spring fabric connecting the cross-rails of the head and foot frames which draws the arms up
 40 against the under sides of the rails.

3. A bedstead, the frame of which is formed of four parts only, and which comprises two side rails and head and foot frames, the latter being formed with arms overlapped by the side rails and having tongues extending 45
 through apertures in the side rails and resting on the top thereof whereby a detachable vertically-swinging connection is made between the head and foot frames and the side rails and a spring fabric connecting the head and 50
 foot frames.

4. A bedstead, comprising side rails, head and foot frames having arms extending under the side rails and which have an interlocking vertically-swinging connection therewith, a 55
 spring fabric connecting the head and foot frames and which draws the arms thereon up against the under side of the side rails, and a head-piece detachably connected with the
 60 head-frame.

In testimony whereof I have hereunto subscribed my name.

WILLIAM E. COLLIER.

Witnesses:

K. H. FENNING,
 LLOYD B. WIGHT.