

(No Model.)

Z. H. JACOBS.
BEDCLOTHES FASTENER.

No. 512,966.

Patented Jan. 16, 1894.

Fig. 1.

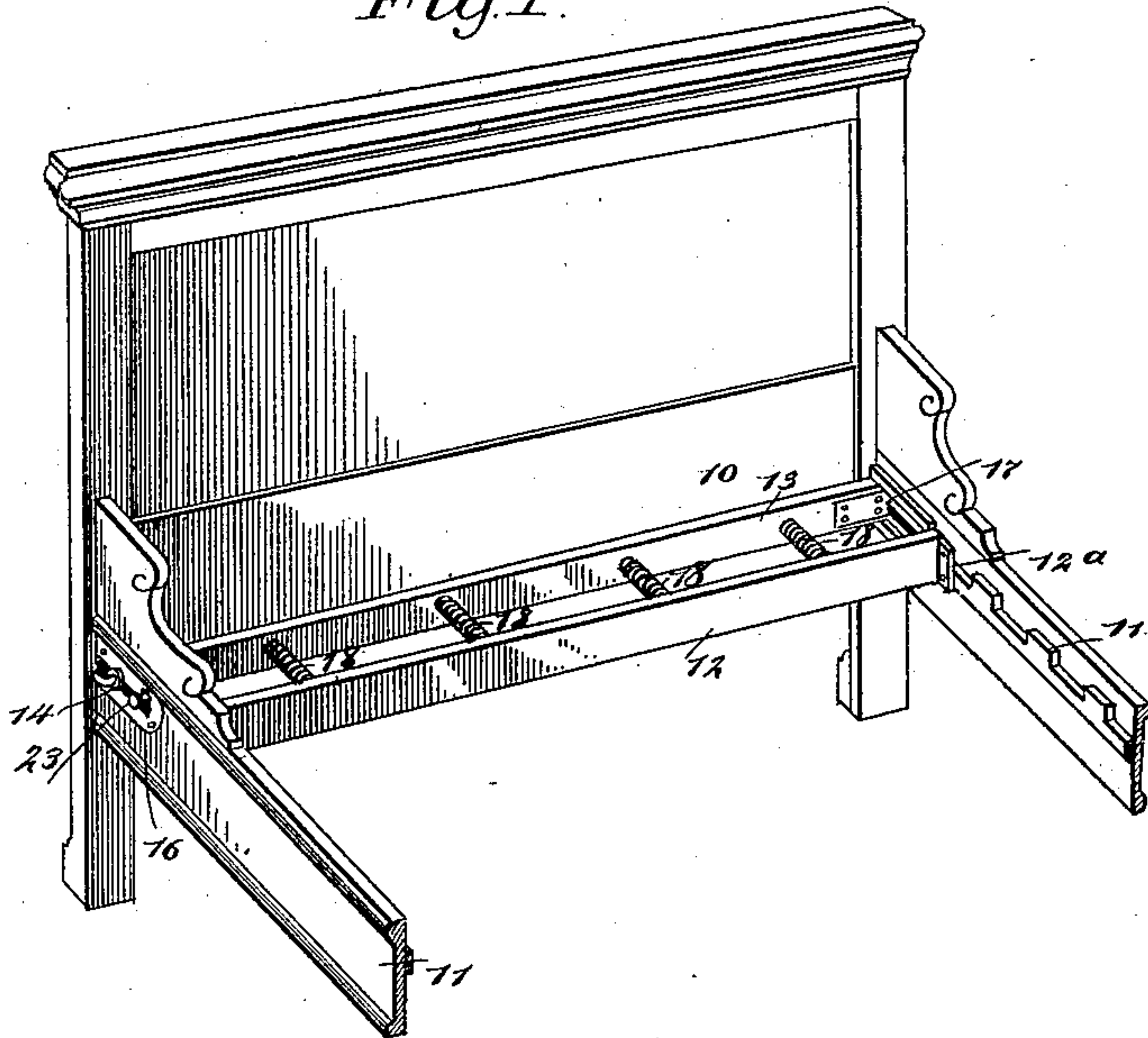


Fig. 2.

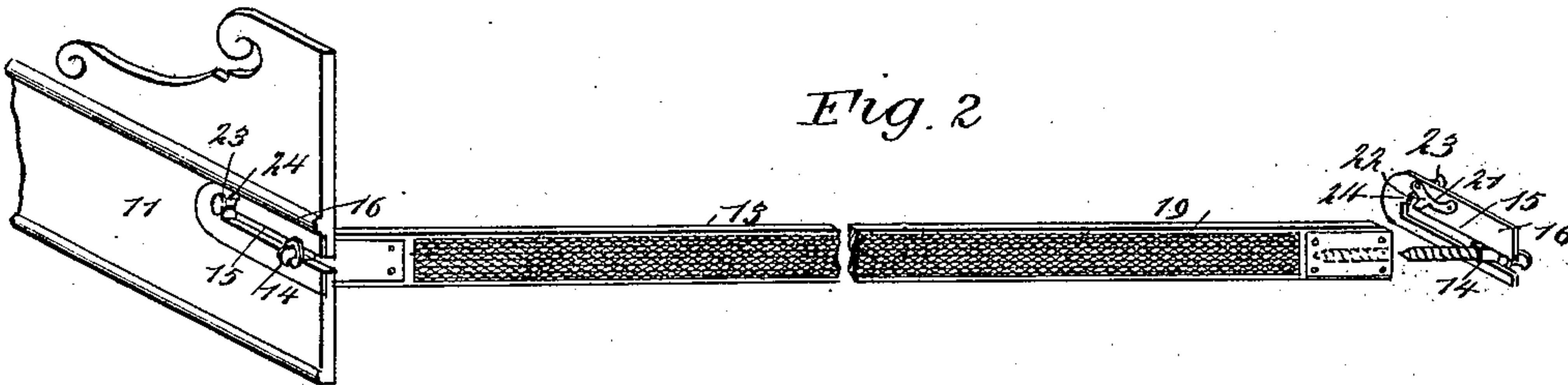


Fig. 4.

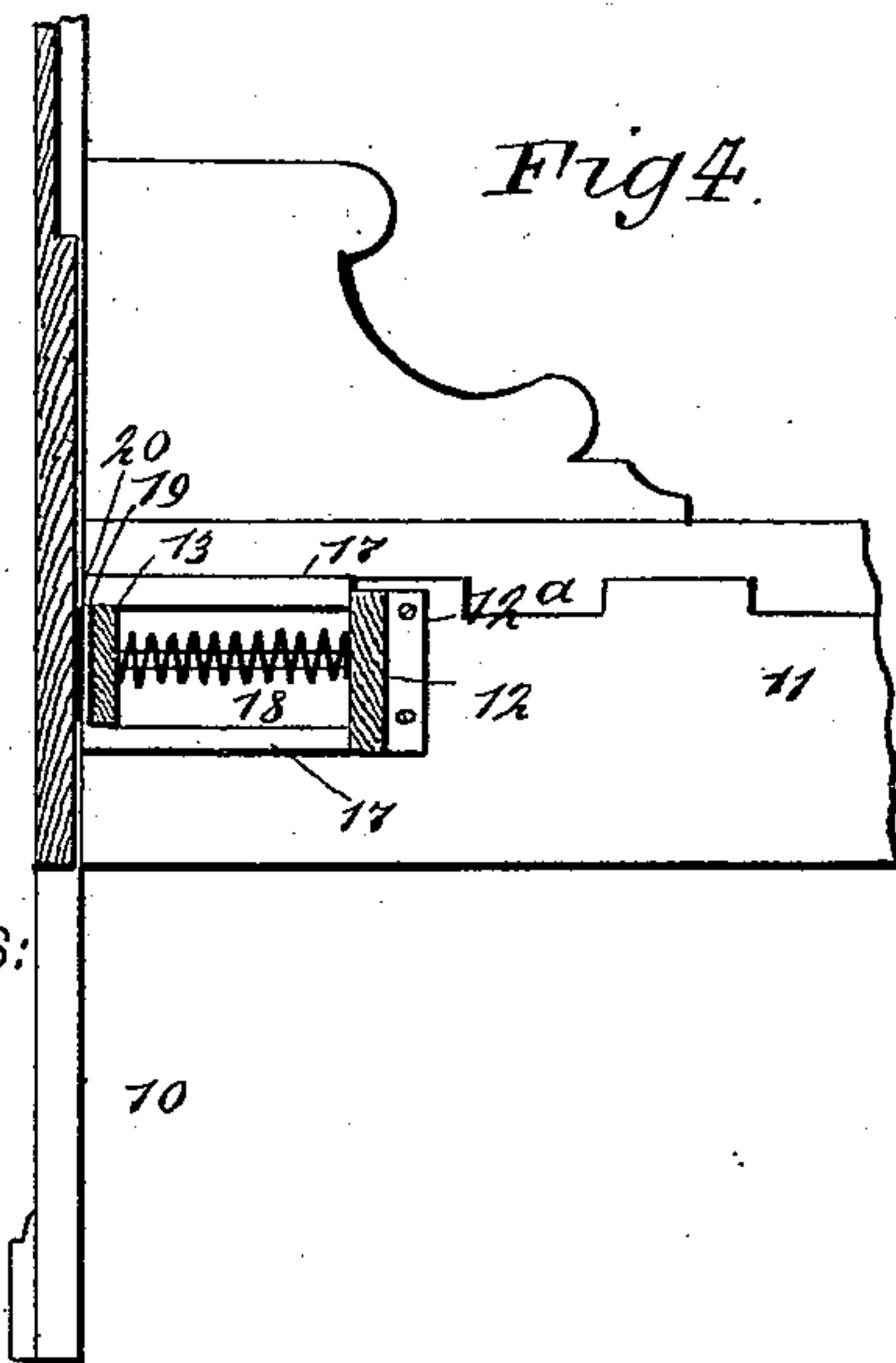
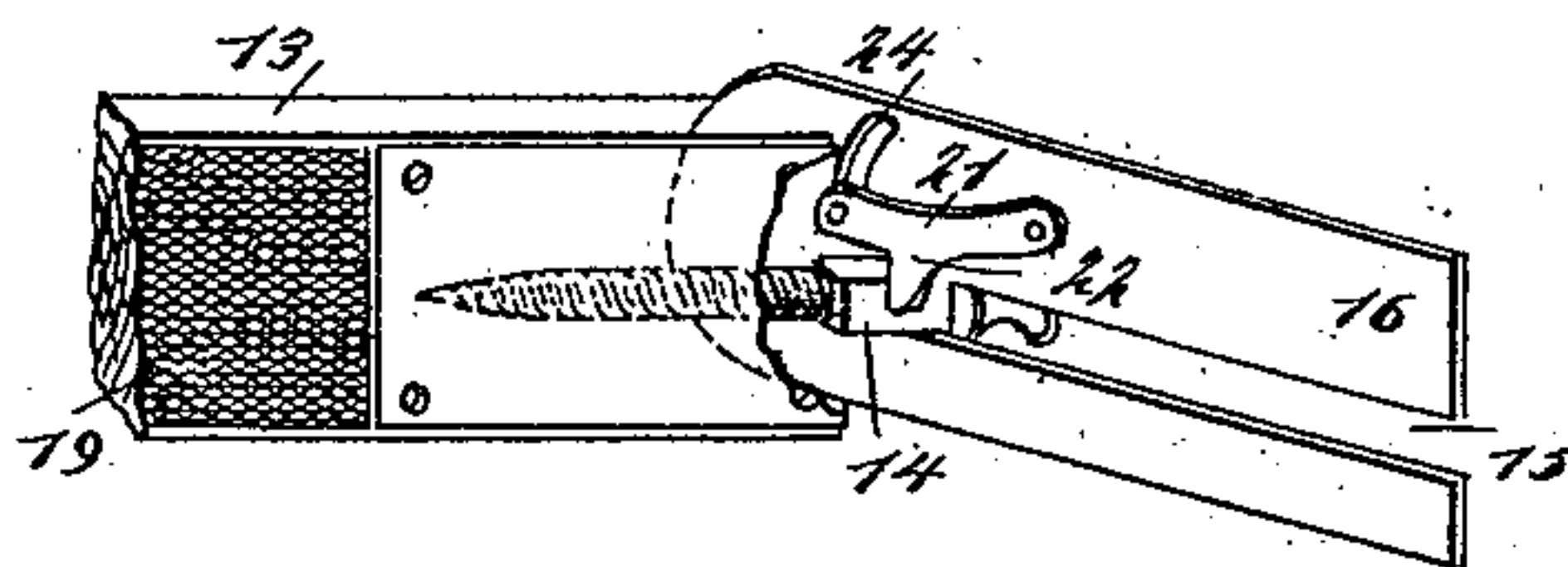


Fig. 3.



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UNITED STATES PATENT OFFICE.

ZEBULON HENRY JACOBS, OF SALT LAKE CITY, UTAH TERRITORY.

BEDCLOTHES-FASTENER.

SPECIFICATION forming part of Letters Patent No. 512,966, dated January 16, 1894.

Application filed February 7, 1893. Serial No. 461,333. (No model.)

To all whom it may concern:

Be it known that I, ZEBULON HENRY JACOBS, of Salt Lake City, in the county of Salt Lake and Territory of Utah, have invented a new and Improved Bedclothes-Fastener, of which the following is a full, clear, and exact description.

In making beds it is customary to hold the covers or clothes in place by tucking them together and beneath the edges of the mattress, and when thus made it is a common occurrence to have the clothes at the foot of the bed work loose, especially if the occupant is somewhat restless. Such an accident is always annoying and attended with more or less discomfort; and the object of my invention is to obviate the difficulty mentioned and provide a simple and positive working device which may be applied to any ordinary bedstead and by which the bed-clothes at the foot of the bed may be held firmly in position but also conveniently released when necessary.

To this end my invention consists in certain features of construction and combinations of parts, as will be hereinafter described and claimed.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a broken perspective view of a bedstead with my invention applied thereto. Fig. 2 is a broken perspective view on an enlarged scale, and shows in detail the movable fastening bar and the mechanism for holding it in place. Fig. 3 is a broken detail view showing the screw for holding one end of the fastening bar, and showing also the locking pawl which is in engagement with the screw; and Fig. 4 is a cross section through the foot-board and through the clothes-fastening mechanism.

In the drawings the foot-board 10 and side rails 11 are of the common kind and may be of any style whatever. Extending between the rails parallel with the foot-board and at a little distance from the same, is a fixed cross bar 12 having end flanges 12^a by which it is fastened to the rails, although it may be fastened in any convenient way, and parallel with this cross bar and between it and the

foot-board is a fastening bar 13 which is adapted to slide between the cross bar 12 and the foot-board. The sliding bar 13 has screws 14 in its ends which have squared shanks held to slide in slots 15 in the rails 11 and in wear plates 16 which are secured to the rails. The screws 14 thus serve to guide the fastening bar, and the protruding ends of the screws may be grasped when the fastening bar is to be pushed toward the cross bar; the ends of the fastening bar slide between cleats 17 on the rails, but the cleats may be dispensed with if desired. The fastening bar 13 is pressed normally into contact with the foot-board by spiral springs 18 or their equivalents which are arranged between the fastening bar and the cross bar 12, and to insure the firm holding of the clothes between the fastening bar and the foot-board, the adjacent faces of said parts are roughened, as shown at 19 and 20, and the roughened faces should be of wood, rubber, or some material which will exert sufficient friction on the clothes and will not injure them.

It will be seen that if the clothes are tucked between the fastening bar and the foot-board, they will be clamped securely in place, but it is necessary to have the fastening bar held forward while the bed is being made, so that the bed-clothes or covers may be properly adjusted. To this end a fastening or locking device is arranged at each end of the fastening bar, so as to hold the bar forward. One of these devices is shown very clearly in Fig. 3.

On the back of each plate 16 is pivoted a pawl 21, and this pawl has a shoulder 22 thereon which is adapted to engage the screw 14 and prevent the screw and fastening bar from being pressed back by the springs 18. The back edge of the shoulder 22 is arranged so that the screw 14 may be pushed forward beneath it, and at the free end of the pawl is a knob or handle 23 which projects outward through an upwardly extending curved slot 24 in the plate 16. By taking hold of this knob the pawl may be raised so as to release the screw 14 and the fastening bar 13, and it may also be pushed downward into place so as to make sure that the screw and bar are locked. When the bed is to be made the fastening bar 13 is pressed forward and locked in place by the pawls 21, after which the

lower ends of the bed covers are placed between the fastening bar and the foot-board. The pawls 21 are then raised so as to release the screws 14 and the fastening bar, which
5 pressed by the springs 18, immediately flies backward and clamps the clothes securely between itself and the roughened surface of the foot-board. When the clothes or covers are to be released, the fastening bar is pressed
10 forward again as described.

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

1. The combination with the bedstead, of
15 a fixed cross bar extending between the rails and secured at its ends thereto parallel with the foot-board, and a spring-pressed sliding fastening having guide bolts 14 sliding in the slotted rails and wear plates bar arranged
20 between the fixed bar and the foot-board and adapted to bind the clothes between itself and the foot-board, substantially as described.

2. The combination with the bedstead, of a cross bar extending between and secured
25 at its ends to the rails and opposite the foot-board, a fastening bar held to slide between the cross bar and foot-board, springs arranged

between the two bars, locking pawls held to the rails in the path of the ends of the fastening bar and adapted to drop behind and
30 hold the same away from the foot-board, and knobs secured to the pawls and extending outward through slots in the rails, substantially as described.

3. The combination, with the bedstead having longitudinal slots in the foot ends of its rails and the longitudinally slotted plates 16, of the cross bar 12, fixedly secured at its ends to the rails, the cross bar 13 having screws or pins at its ends extending through said slots,
40 the vertically swinging pawls pivoted on the inner sides of the plates 16 with their shoulders 22 crossing the slots to drop behind the end pins of the cross bar 13 when it is moved away from the foot board, springs interposed
45 between the two bars and pressing the bar 13 against the foot board, and operating handles or knobs for the pawls extending outwardly through slots in the rails, substantially as set forth.

ZEBULON HENRY JACOBS.

Witnesses:

THOMAS KENNEDY,
CHAS. E. HERRON.

It is hereby certified that in Letters Patent No. 512,966, granted January 16, 1894, upon the application of Zebulon Henry Jacobs, of Salt Lake City, Utah Territory, for an improvement in "Bedclothes-Fasteners," an error appears in the printed specification requiring correction, as follows: In line 19, page 2, the word "bar" should be stricken out and inserted after the word "fastening" in line 18 same page; and that the Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed, countersigned, and sealed this 6th day of March, A. D. 1894.

[SEAL.]

JNO. M. REYNOLDS,
Assistant Secretary of the Interior.

Countersigned:

JOHN S. SEYMOUR,
Commissioner of Patents.