No. 732,976. PATENTED JULY 7, 1903.

F. VTIPIL & J. SPLAVEC.

BED BOTTOM.

APPLICATION FILED DEC. 29, 1902.

NO MODEL

Fig. 1.

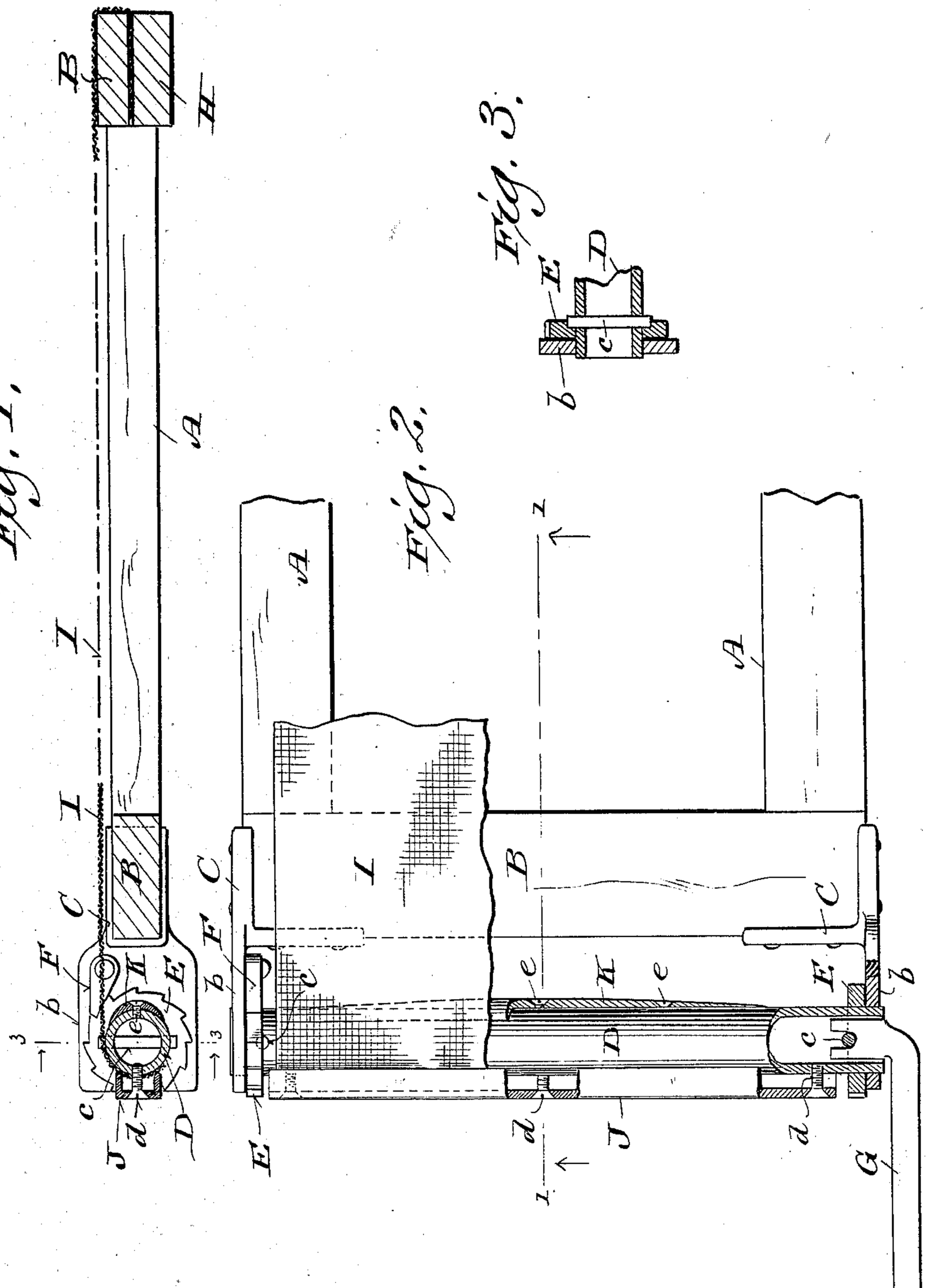

Fig. 2.

Fig. 3.

Witnesses
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No. 732,976. Patented July 7, 1903.

UNITED STATES PATENT OFFICE.

FRANK VTIPIL AND JOHN SPLAVEC, OF MILWAUKEE, WISCONSIN.

BED-BOTTOM.

SPECIFICATION forming part of Letters Patent No. 732,976, dated July 7, 1903.

Application filed December 29, 1902. Serial No. 137,026. (No model.)

To all whom it may concern:

Be it known that we, FRANK VTIPIL and JOHN SPLAVEC, citizens of the United States, and residents of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Bed-Bottoms; and we do hereby declare that the following is a full, clear, and exact description thereof.

The invention consists in certain peculiarities of construction and combination of parts, hereinafter particularly set forth with reference to the accompanying drawings and subsequently claimed, an object of said invention being to provide simple, economical, partly woven-wire bed-bottoms, so organized that slack resulting from stretch of the wire material may be readily taken up without removal of said bed-bottoms from bedsteads by which they are supported. However, bedsteads themselves may serve as the frames of our bed-bottoms.

Figure 1 of the drawings represents a vertical longitudinal section of a bed-bottom made in accordance with our invention, this view being indicated by line 1 1 in the second figure; Fig. 2, a plan view of a fragment of the bed-bottom, having some of the wire material thereof broken away and some of its other elements partly in horizontal section; and Fig. 3 a sectional view of a portion of said bed-bottom, the plane of the section being indicated by line 3 3 in the first figure.

Referring by letter to the drawings, A indicates each of a pair of side rails joined at their extremities to end rails B, and therewith constituting the frame of our improved bed-bottom. Made fast to one of the end rails is a pair of corner-brackets C, each of which has an arm *b*, that serves as a bearing for a roller D, on which ratchet-wheels E are rigidly secured, and each of these wheels is engaged by a detent F in pivotal connection with an adjacent bracket-arm. The roller is preferably tubular, ordinary iron gas-pipe being a suitable economical material for the same, and this tubular roller is shown provided with transverse pins *c*, adjacent to its ends. As a matter of detail the ratchet-wheels may be cast on the roller and the pins therewith, as shown in Fig. 3, said pins being for the engagement of a notch in one end of a crank G, by which said roller may be turned one way in its bearings, the detents in engagement with said ratchet-wheels serving to prevent turning in the opposite direction.

Held between one of the rails B and a bar H therewith is an end of a web I, of woven-wire fabric, and the other end of the same is clamped between the roller D and a channel-bar J, screws *d* being employed to hold the channel-bar in connection with said roller. The web of woven wire is originally made taut between the rail and roller to which it is connected, and if it becomes slack as a result of stretching the slack may be taken up by turning said roller, to which the crank G is applied at either end, the ratchet and detent mechanism serving at all times to hold the aforesaid roller against strain of the wire material. As the sag is always greater in the center than at the longitudinal edges of the web of woven wire, the roller is made to have a portion thereof taper from a point midway of its length toward both ends. The roller being a piece of piping, as herein set forth, a concavo-convex bar K, tapered in opposite directions from its middle, is fastened by screws *e* to said roller longitudinally of the same. By the use of a roller such as herein set forth it is obvious that slack in the woven-wire-fabric portion of the bed-bottom can be evenly taken up, the result being that the wire material is taut throughout.

While we have shown and described a bed-bottom having an independent frame, it is within the scope of our invention to employ some varieties of bedsteads as the frames of our bed-bottoms.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

A bed-bottom comprising a frame, a tubular take-up roller for which bearings are provided in connection with the frame, a concavo-convex bar made fast on the roller and ta-

pered from its middle to both ends, a sheet of woven-wire fabric fastened at its ends to the frame and roller and means for holding said roller against strain of the woven-wire-fabric material.

In testimony that we claim the foregoing we have hereunto set our hands, at Milwaukee, in the county of Milwaukee and State of Wisconsin, in the presence of two witnesses.

FRANK VTIPIL.
JOHN SPLAVEC.

Witnesses:
N. E. OLIPHANT,
B. C. ROLOFF.