

(No Model.)

L. B. CRAIG.
TRUSS.

No. 376,861.

Patented Jan. 24, 1888.

Fig. I.

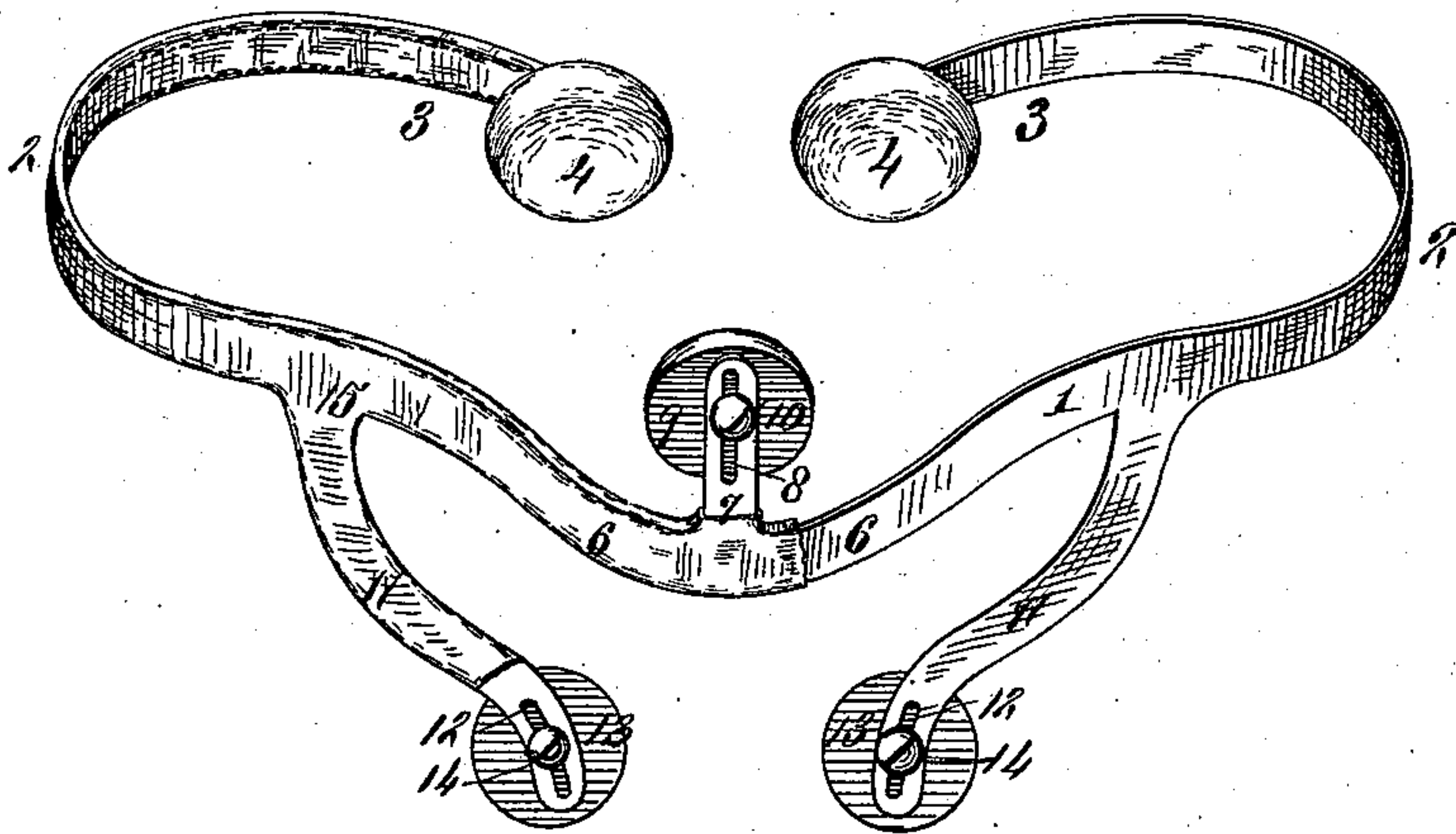
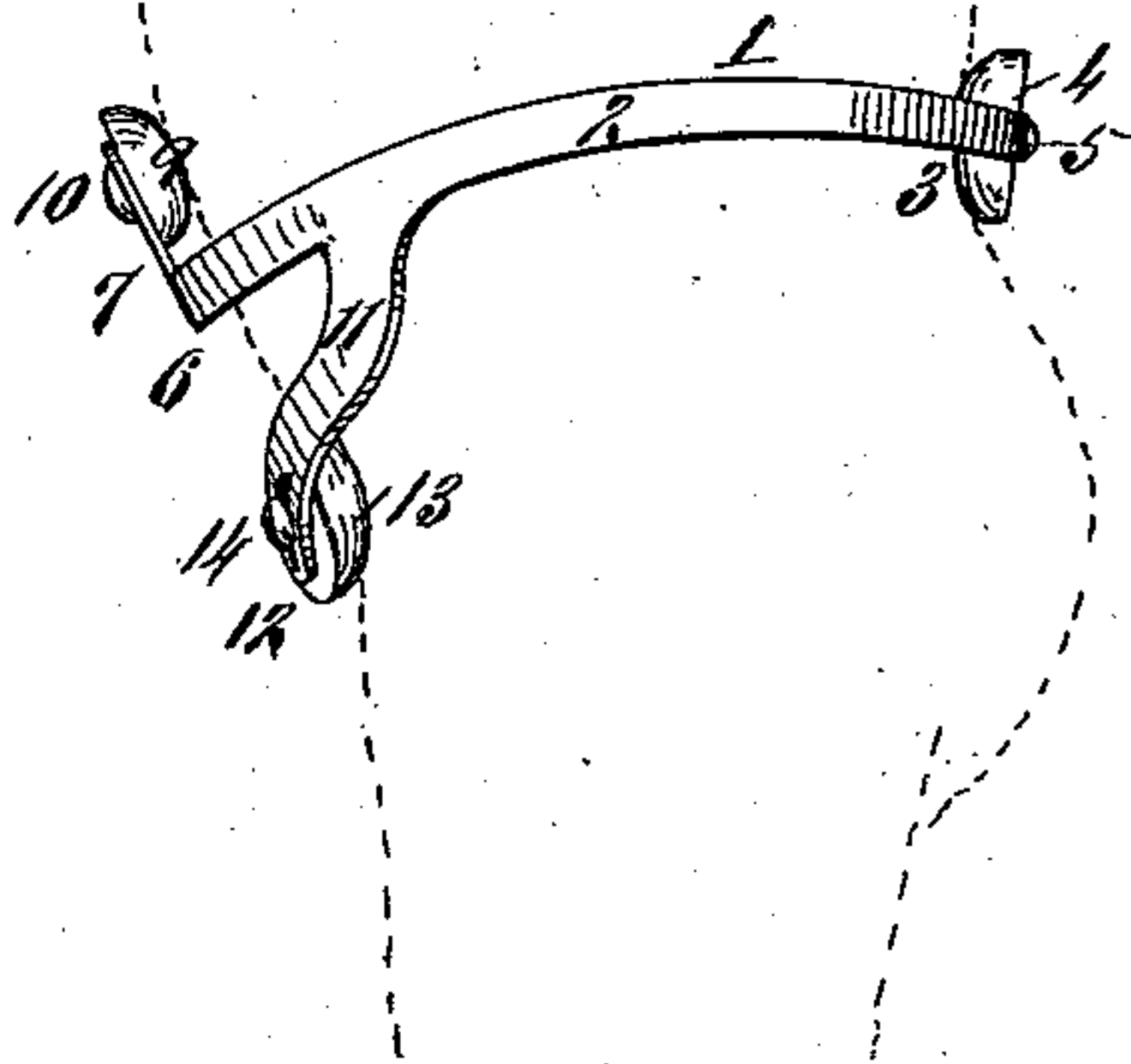


Fig. II.



Attest:
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UNITED STATES PATENT OFFICE.

LEWIS B. CRAIG, OF SALEM, MISSOURI, ASSIGNOR OF ONE-HALF TO HENRY C. LONG, OF SAME PLACE.

TRUSS.

SPECIFICATION forming part of Letters Patent No. 376,861, dated January 24, 1888.

Application filed August 19, 1887. Serial No. 247,372. (No model.)

To all whom it may concern:

Be it known that I, LEWIS B. CRAIG, of Salem, in the county of Dent and State of Missouri, have invented certain new and useful
5 Improvements in Trusses, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part of this specification, and in which—

10 Figure I is a perspective front view of my improved truss, showing the adjustable inguinal and umbilical pads with their means of adjustment; and Fig. II is a side view of the same, showing the truss in position.

15 This invention relates to devices for the reduction of hernia; and the invention consists in features of novelty hereinafter fully described, and pointed out in the claims.

Referring to the drawings, in which similar figures of reference indicate like parts in
20 both the views, 1 represents an elastic band, preferably of spring-steel, the contour of which is made to conform to the shape of that part of a person's body that it is made to embrace.

25 It curves round, over, and on the bulge of the hips at 2, curving in at 3 toward the small of the back, where it is provided with lumbar pads 4 for holding it in position. These pads may be either secured to the inside of the
30 band by set-screws 5 or riveted thereto. The front of the band has a curvilinear frontal projection at 6, that at the same time curves downward, so as to fit the general contour of the abdomen and support it with the greatest ease.

35 Rising from the middle of said abdominal curve of the band and projecting forward from the vertical is a short arm, 7, which is provided with a slot, 8. 9 is an umbilical pad, which is adjusted in the front of the abdomen by a
40 set-screw, 10, which passes through the afore-said slot and engages in its screw-seat in the pad, which can thus be adjusted as to elevation to the extent of the length of the slot and secured at its adjusted position inside said arm
45 by the set-screw.

11 represents elastic straps integral with the band and pendent from it, preferably of spring-steel, which, like the band, are shaped to fit accurately to the contour of the body,
50 conforming to the shape of the lower part of

the abdomen. Said steel springs 11 are formed in a compound curve, being first curved outwardly and then inwardly. The lower ends of these pendent straps are provided with elongated slots 12. 13 are inguinal pads, 55 which are secured inside the pendent straps by set-screws 14, and are adjusted to the best advantage in relation to the ruptured part to the extent of said elongated slots and secured to their adjustment by the set-screws. The
60 pads are all convex on the sides that press against the body, and may be cushioned on said side or otherwise constructed to best conduce to the ease of the wearer and the effectiveness of their purpose. The steel band and
65 pendent straps are covered with soft leather or any other suitable substance, 15, to prevent the contact of the metal with the body.

In Fig. I the covering is partly removed to expose that part of the band and pendent
70 strap to view.

It will be seen that the whole contour of both the band and straps is formed to correspond with the shape of the body on which it is worn, so that it will be sustained by the
75 hips without chafing them, and itself sustain the abdomen in conjunction with the pads that it carries without chafing or other injury to the body that it is provided to protect.

I claim as my invention— 80

1. The combination, in a truss, of the single spring-band 1, nearly surrounding the body and carrying at its ends the lumbar pads 4, the centrally and downwardly curved straps 11, carrying the inguinal pads 13, and the upwardly-extending arm 7, carrying the umbilical pad 9, substantially as set forth. 85

2. The combination, in a truss, of a spring-band adapted to nearly surround the body of the wearer, lumbar pads 4 at its ends, integrally-formed compound-curved straps 11, extending downwardly from the front of the spring-band toward each other, longitudinally-adjustable inguinal pads 13 at their lower ends, and umbilical pad 9, situated at the
90 front central portion of the spring-band, substantially as set forth.

3. The combination, in a truss, of the spring-band 1, curved so as to conform to the contour of the body which it nearly surrounds, 100

the front of said band being curved downward and outward to compress and carry the abdominal regions where it is located, the lumbar pads at the back terminals of said band, 5 the pendent spring-straps 11, provided with elongated slots, in which set-screws adjustably secure the inguinal pads, the aforesaid straps integral with said spring-band, and descending from it just forward from the hips, curved 10 and passing downward and their ends approaching toward each other, so as to correspondingly embrace the lower abdominal regions, with a compound curve that conforms to the contour of the body, and the arm 7, provided with a slot, in which the set-screw 10 15 works to adjust and fasten the umbilical pad, substantially as set forth.

LEWIS B. CRAIG.

In presence of—

JOHN R. REDDICK,
WILLIAM J. JONES.