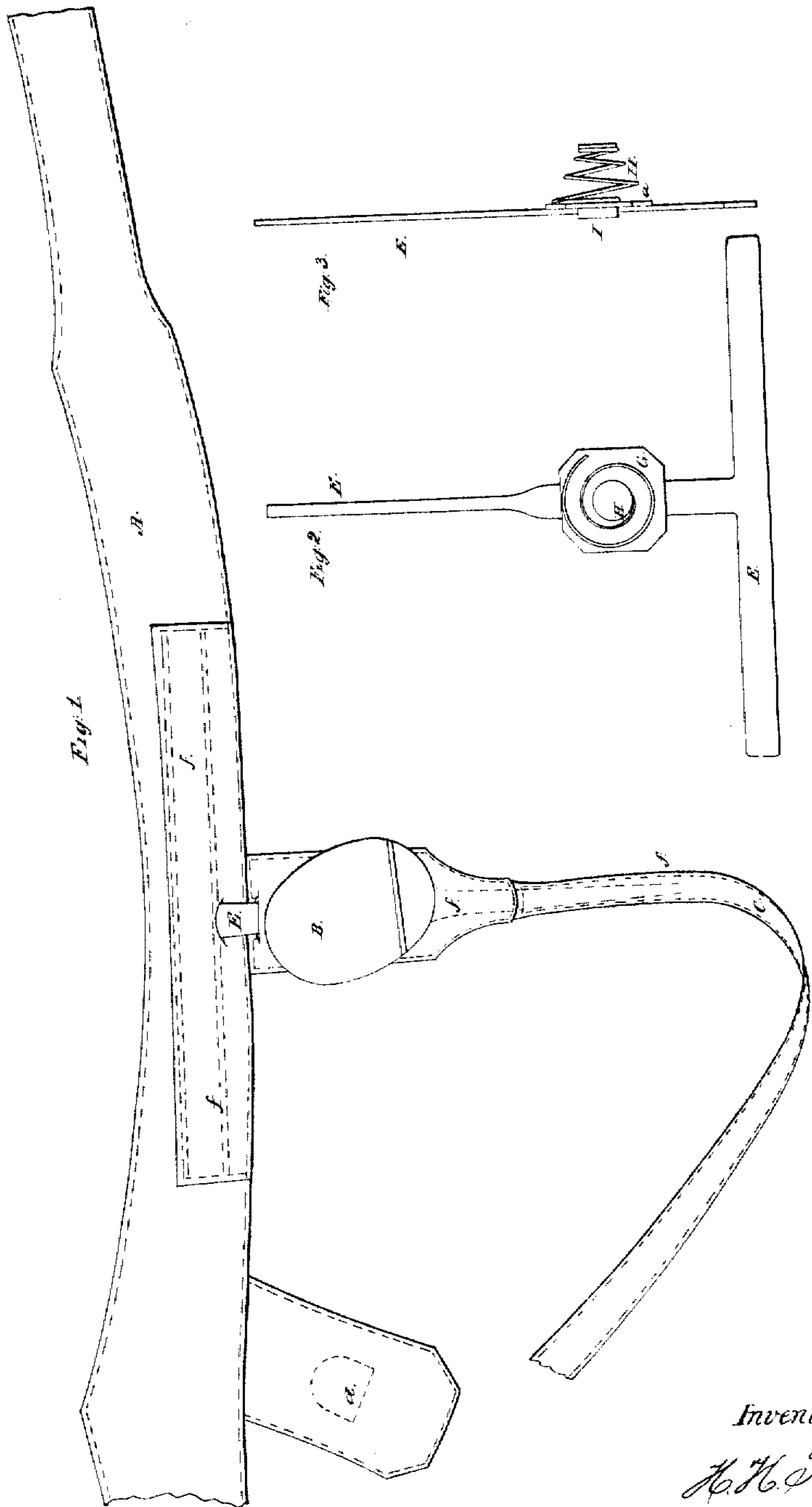


H. H. Reynolds,

Truss.

Patented Jan. 25, 1859.

Nº 22,747.



Witnesses:
H. H. Forbush
E. B. Forbush

Inventor:
H. H. Reynolds

UNITED STATES PATENT OFFICE.

HIRAM H. REYNOLDS, OF BUFFALO, NEW YORK.

BELT-TRUSS.

Specification of Letters Patent No. 22,747, dated January 25, 1859.

To all whom it may concern:

Be it known that I, HIRAM H. REYNOLDS, of the city of Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Belt-Trusses for the Treatment of Hernia; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

The nature of my invention consists in the peculiar construction, combination and arrangement of the parts of which my improved truss is constructed, as hereinafter fully set forth.

Figure I, is a plan of my improved truss, all the parts being arranged together. Fig. II is a plan of the T spring conical spring and plate. Fig. III is a side elevation of the T spring, conical spring and slide.

A, (Fig. I), belt, made of soft leather (or partly of leather and partly of cloth) which buckles around the body of the patient.

B, pad. I obtained Letters Patent of the United States for this form of pad, dated June 1st, 1858.

C, perineal strap. This is made of soft pliable leather, and is sewed, or otherwise fastened to the belt, it incloses the perpendicular part of the T spring and passes down between and around the thigh and connected with the buckle *d*.

E, (Fig. II,) represents a T spring made of brass or other suitable metal. It is sewed into the belt, and perineal strap, as represented by the dotted lines *f*, (Fig. I) the lower or perpendicular part passing between the thighs.

G, plate which forms a base for the support of the conical spring (H.)

H, conical spring, upon the top of which the pad is supported.

I, slide. This is made fast to the under side of the plate G. The perpendicular part of the T spring passes through this slide, and is nicely fitted thereto, so that the plate G, conical spring and pad, may be moved up or down on the T spring.

In applying this truss, the belt should be buckled loosely around the body of the patient, and adjusted in such a way as to bring the concave base of the pad against the front side of the pelvic bone, and the oval face of the pad directly in contact with the hernia. The perineal strap, is then buckled as tightly or as loosely, as the condition of the patient may require, this arrangement of the several parts, make the truss easily worn, and adjustable to all conditions of the patient, and renders it nearly impossible for the hernia to escape from the pad.

This truss is believed to be a great improvement upon any other form of truss heretofore used, and is perfectly successful for the purpose designed.

What I claim as my invention and desire to secure by Letters Patent is—

The combination of the T spring E with the conical spring H, pad B, belt A and perineal strap C, the whole being arranged substantially as shown.

HIRAM H. REYNOLDS.

Witnesses:

GEORGE WADSWORTH,
W. H. FORBUSH.