

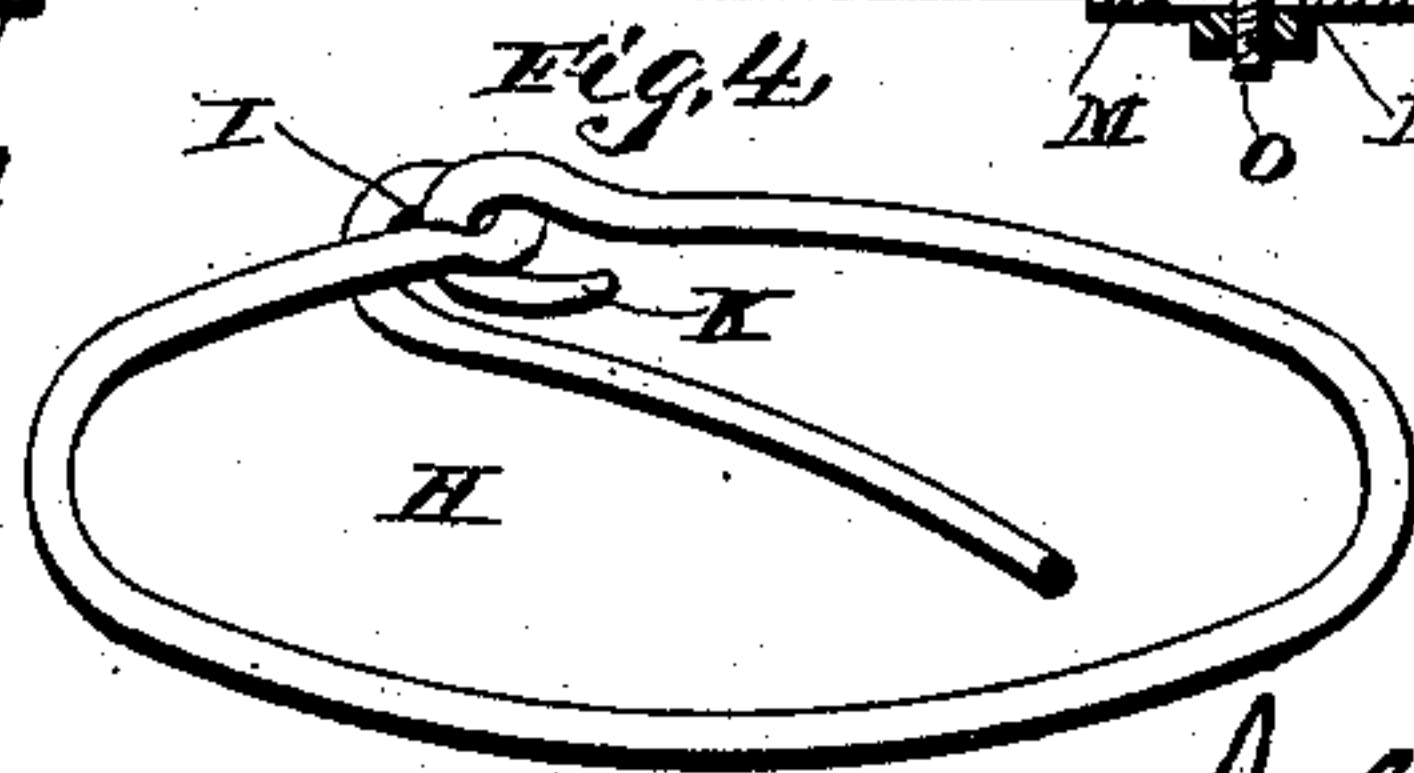
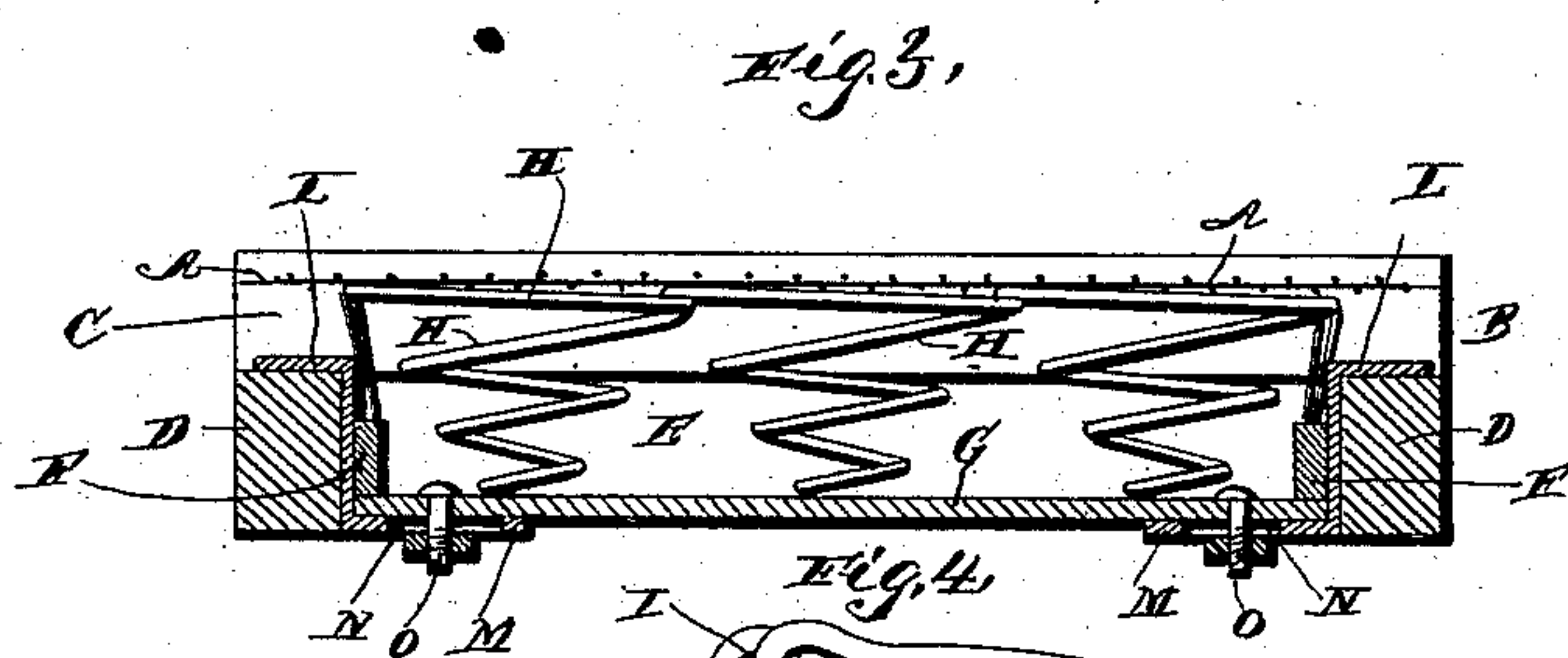
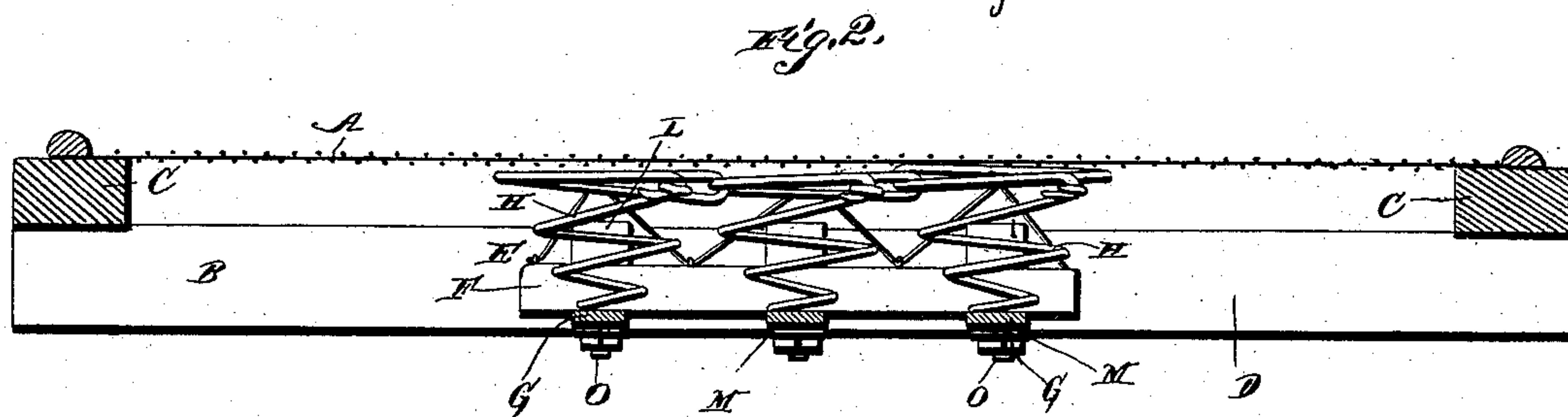
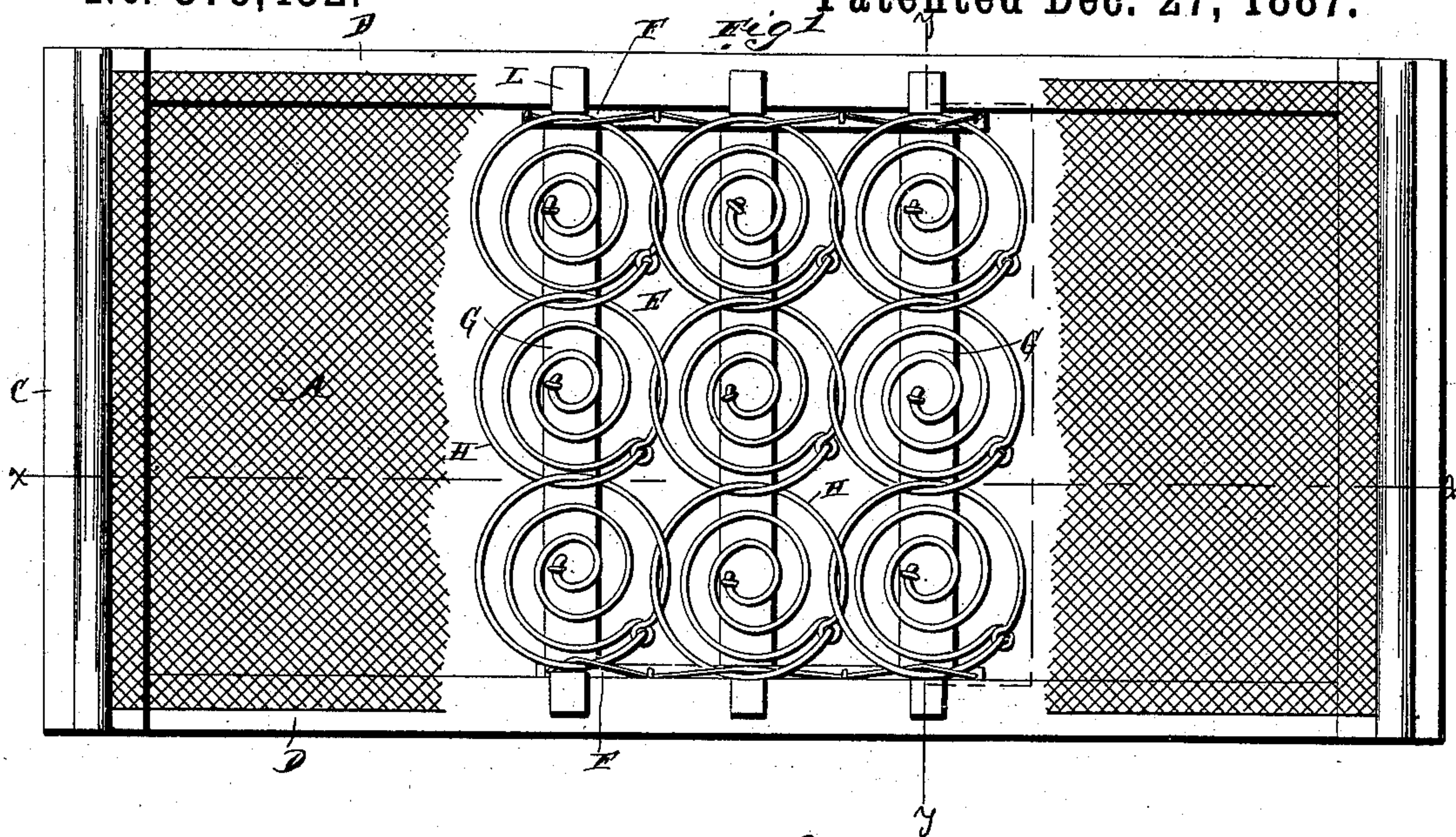
(No Model.)

J. S. WERTZ.

ADJUSTABLE SUPPORT FOR WIRE MATTRESSES.

No. 375,432.

Patented Dec. 27, 1887.



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN S. WERTZ, OF BURLINGTON, IOWA.

ADJUSTABLE SUPPORT FOR WIRE MATTRESSES.

SPECIFICATION forming part of Letters Patent No. 375,432, dated December 27, 1887.

Application filed June 24, 1887. Serial No. 242,400. (No model.)

To all whom it may concern:

Be it known that I, JOHN S. WERTZ, a citizen of the United States, residing at Burlington, in the county of Des Moines and State of Iowa, have invented a new and useful Improvement in Adjustable Supports for Wire Mattresses, of which the following is a specification.

My invention relates to an improvement in adjustable supports for wire mattresses; and it consists in the peculiar construction and combination of devices that will be more fully set forth hereinafter, and particularly pointed out in the claims.

The object of my invention is to provide a light, cheap, and portable support adapted to be attached to the frame of the mattress, and bear under the mattress to prevent the latter from sagging.

In the drawings, Figure 1 is a top plan view of a mattress provided with a support embodying my improvements, a portion of the mattress being removed in order to disclose the support. Fig. 2 is a vertical longitudinal sectional view taken on the line *x x* of Fig. 1. Fig. 3 is a vertical transverse sectional view taken on the line *y y* of Fig. 1. Fig. 4 is a detail view of the upper coil of the spring H.

A represents a wire mattress of the usual form, having the frame B, which comprises the transverse end bars, C, and the longitudinal side bars, D, on which the ends of the bars C are secured.

E represents the frame of the support, which comprises a pair of longitudinal side bars F and a number of cross-bars, G, which have their ends secured on the under edges of the bars F.

H represents a series of coiled supporting-springs which are arranged on the bars G. In the upper coil of each spring is formed an opening, I, and the free end of each spring is provided with a hook, K, adapted to engage the said opening. The hooked end of each spring is passed through the upper coil of its companion spring, and is then caused to engage the opening I, and thereby the springs have their upper ends secured together, as shown.

L represents a series of supporting-brackets, which are right-angular in shape, and are provided at their lower ends with inwardly-ex-

tending horizontal arms M, which are arranged under the ends of the bars G at the ends of the frame E. The said arms M are each provided with a longitudinal slot, N, and bolts O extend downward through the end bars, G, and through the said slots, and are provided on their lower threaded ends with washers and clamping-nuts P, as shown, and thereby the brackets may be secured to the frame E and adjusted longitudinally thereon in order to adapt the same to the width of the mattress-frame.

The operation of my invention is as follows: The frame E is arranged transversely between the side bars of the mattress-frame at any desired point, and the brackets on the ends of the frame E are caused to engage the upper edges of the side bars of the mattress-frame, as shown, so as to support the frame E in place. The springs on the frame E bear under the mattress and prevent the same from being stretched and caused to sag when in use.

It will be readily observed that the supports may be moved longitudinally on the mattress A, so as to cause the supporting-springs to bear under any desired portion of the mattress.

It will be seen that the angle-arm brackets L merely rest on the upper faces of the sides of the mattress-frame, and thus the entire support may be adjusted along the mattress-frame to any point desired, the arms L sliding readily along the side bars of the mattress-frame. The support can thus be adjusted to suit the occupant of the bed.

Having thus described my invention, I claim—

1. A support for spring-wire mattresses, comprising the frame E, adapted to lie transversely between the side bars of the mattress-frame, and having the longitudinally-adjustable bracket-arms L, adapted to engage the side bars of the mattress-frame, and the interlocking springs attached to frame E and adapted to bear under the wire mattress, substantially as described.

2. A support for spring-wire mattresses, comprising the frame E, having the supporting-springs H thereon, the right-angled brackets L, having the slotted arms M arranged under the ends of frame E, and the bolts O, passing through the frame E and the slotted arms of the brackets, to secure the latter to the frame

at any desired adjustment, substantially as described.

3. The combination, with the wire mattress having the frame provided with the side bars, 5 of the supporting-frame, having the longitudinally-adjustable bracket-arms secured thereto and adapted to engage the side bars of the mattress-frame, and the supporting springs arranged on the upper side of the supporting- 10 frame and bearing under the wire mattress, substantially as described.

4. In a support for a wire mattress, the herein-described removable support, comprising the frame E, adapted to be placed between 15 the side bars of the mattress and to bear at the sides against the sides of said mattress, said frame carrying the interlocking supporting-springs to bear under the mattress, and the bracket-arms L, angular in form, adjustably 20 secured to the frame E, and having their ends resting on the upper faces of the side bars of the mattress-frame, as set forth.

5. In combination with the wire mattress A, the herein-described removable support there- 25 for, comprising the frame E, composed of a series of slats, and the springs H, secured to

the slats, said frame E being placed within the side bars of the mattress, and having its springs H bearing under the wire covering of the mat- 30 tress, and the angle-arms L on the side of the frame E, to take over the upper faces of the side bars of the mattress-frame, whereby the support E can be shifted along under the mattress-frame to any point desired, as set forth.

6. In combination with the mattress-frame, 35 the herein-described removable support, comprising the frame E, having the supporting-springs H, and arranged under the mattress-frame so that said springs H will bear against the under side of the wire covering of the mat- 40 tress, the sides of the support E having a sliding connection with the side bars of the mattress-frame, whereby said support may be slid along under the mattress to any point desired without removing any part, as set forth. 45

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

JOHN S. WERTZ.

Witnesses:

CHAS. H. COONS,

THOMAS ELLIOTT.