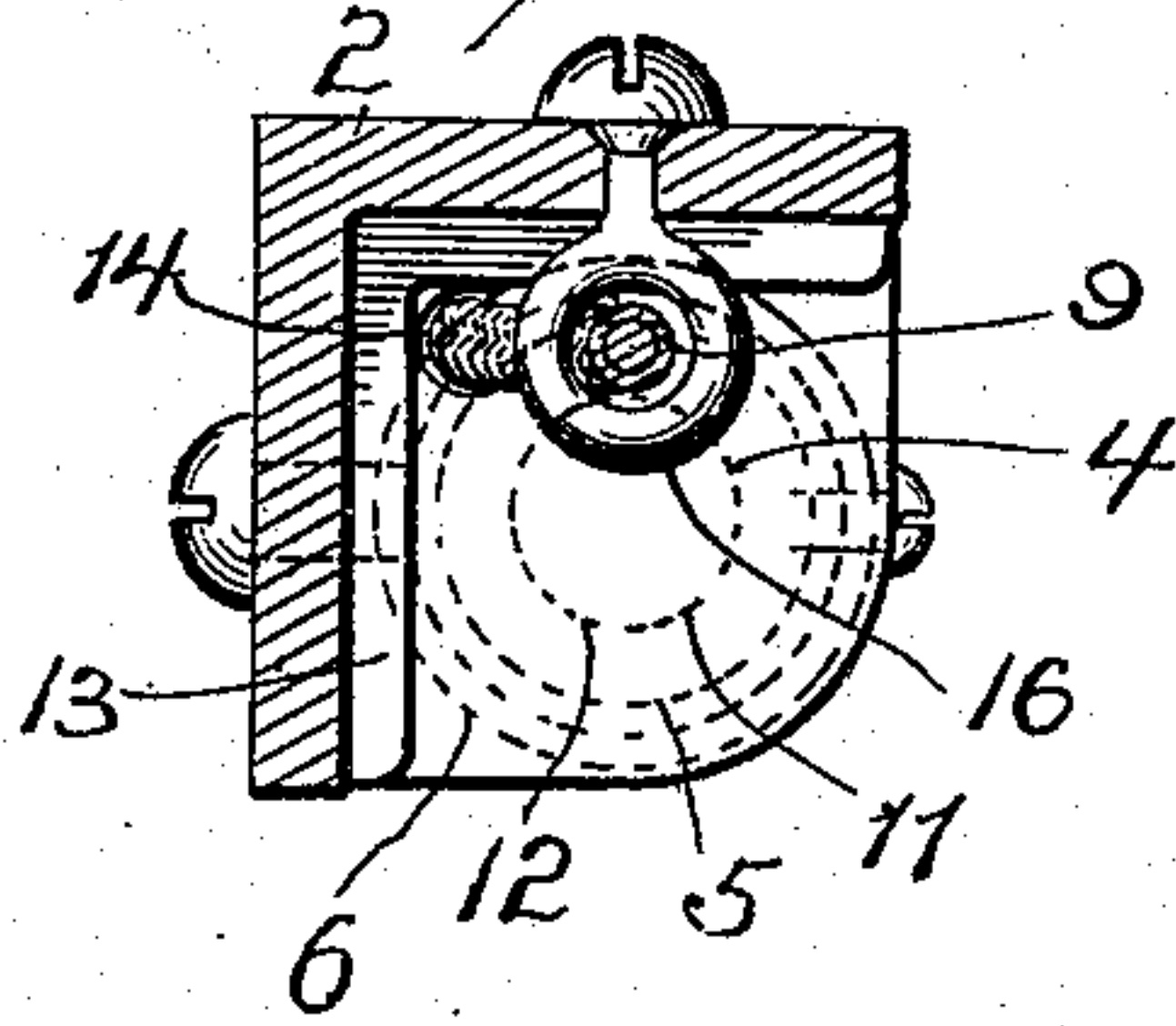
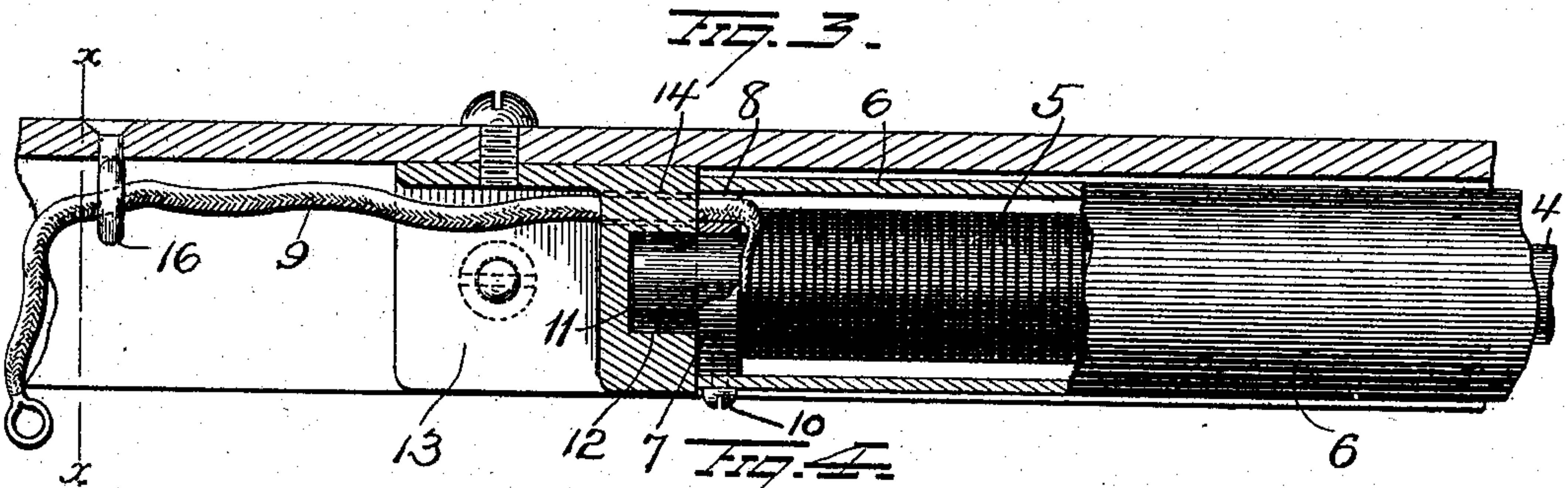
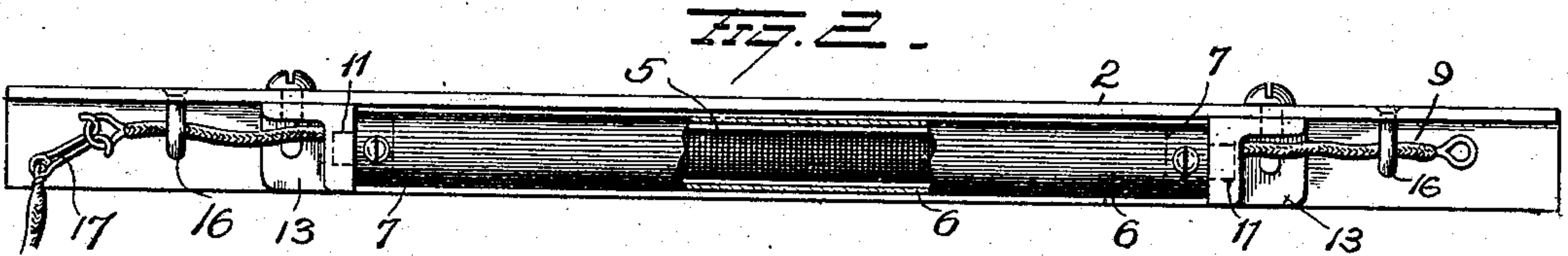
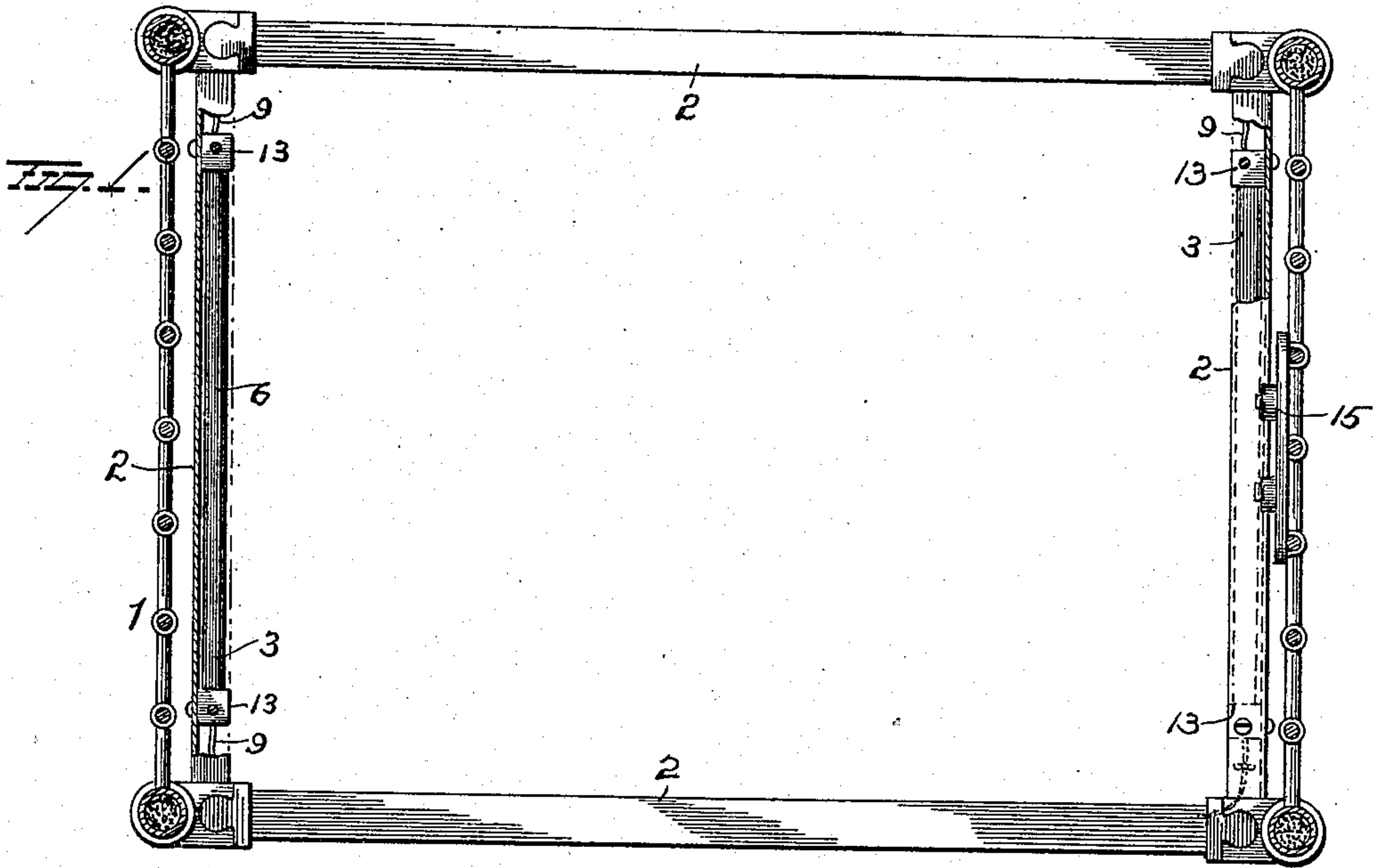


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BED.

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936,874.

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WITNESSES
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SANFORD ELLERY, OF ALBANY, NEW YORK, ASSIGNOR OF TEN ONE-HUNDREDTHS TO DEWITT C. SLINGERLAND, TEN ONE-HUNDREDTHS TO FRANK N. SLINGERLAND, TEN ONE-HUNDREDTHS TO DAVID W. ISENBERGH, AND TEN ONE-HUNDREDTHS TO JOHN J. DUNPHY, ALL OF ALBANY, NEW YORK.

BED.

936,874.

Specification of Letters Patent.

Patented Oct. 12, 1909.

Application filed February 29, 1908. Serial No. 418,597.

To all whom it may concern:

Be it known that I, SANFORD ELLERY, of Albany, in the county of Albany and State of New York, have invented certain new and useful Improvements in Beds; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in beds, and more particularly to means for magnetizing the frame thereof,—the object of the invention being to provide simple and efficient devices which can be applied to the rails of an iron bed frame for the purpose of magnetizing the same and such iron parts of the bed structure which may be connected with or rest upon said rails.

A further object is to construct and arrange the magnets in such manner that they will be out of the way and so that the conductors can be connected with the coils of the magnet and with suitable switches in such manner that the parts of the bed can be taken apart without disturbing or removing said conductors or the magnets from the positions which they occupy in the bed structure.

With these objects in view the invention consists in certain novel features of construction and combinations of parts as hereinafter set forth and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view illustrating the application of my improvements to a bed frame. Fig. 2 is an enlarged view showing the manner of attaching a magnet to a rail of the bed frame. Fig. 3 is a view, partly in section, illustrating the attachment of the magnet to one of the brackets by which it is secured to the bed-rail, and Fig. 4 is a transverse sectional view through one of the rails.

1 represents a bed frame and 2 one of the angle-iron rails thereof. To each of these rails, or at least to the rails at the head and foot of the bed, electro-magnets 3 are applied. Each of these magnets comprises an iron core 4 of considerable length having a helix 5 wound thereon and said core and its helix (with the exception of the extremities of the core) are incased within a tube 6 of

brass, copper or similar material. A collar 7 is located on each end of the core slightly removed from the extremities thereof and each of these collars is provided with a notch 8 for the passage of the leading-in wires 9. The collars 7 are located within the ends of the tube 6 and are secured to the latter by means of screws 10.

The projecting ends or poles 11 of the magnet enter sockets 12 in iron angle-brackets 13, which latter fit the angle-iron rails 2 and have their flanges secured to the latter by means of suitable screws. The brackets 13 thus constitute extensions or heads on the poles of the magnet and they are provided with holes 14 for the passage of the leading-in wires. The extensions of the leading-in wires constitute the conductors from a suitable battery and between said battery and the magnets, a switch 15 is interposed in the circuit and this switch may be conveniently located on the head of the bed. The conductors are supported from the bed rails by means of eyes 16 screwed to said rails. At each corner of the bed frame the conductors are connected together by means of detachable connectors 17 and similar connectors may be employed for removably connecting the conductors with the switch and the battery.

With the exception of the angle-iron rails, many of the parts of a metal bed frame, such as the posts, are made hollow and in order to constitute more extended paths for the lines of force between the magnet poles, these hollow portions of the bed frame are packed with small iron particles, such as iron filings.

With my improvements the entire iron portions of the bed framework will be magnetized so that the occupant of the bed may derive the medicinal benefits which such magnetic lines of force or magnetism may effect.

Having fully described my invention what I claim as new and desire to secure by Letters-Patent, is,—

1. The combination with an iron rail of a bed frame, of an electro-magnet disposed in close proximity to said rail, and means mechanically and magnetically connecting both ends of said electro-magnet with said iron rail.

2. The combination with an iron rail of a

bed frame, of an electromagnet disposed parallel with said rail, and iron brackets secured to the iron bed rail and magnetically connecting the respective poles of the magnet with said rail.

3. The combination with an iron rail of a bed frame and two iron brackets spaced apart and secured thereto, each of said brackets having a socket, of an electromagnet having its poles disposed in the sockets of the respective iron brackets.

4. The combination with the iron frame of

a bed, of iron brackets secured to each rail, each bracket having a socket, and electromagnets disposed parallel with the several rails of the bed and having their poles disposed in the sockets of said brackets.

In testimony whereof, I have signed this specification in the presence of two subscribing witnesses.

SANFORD ELLERY.

Witnesses:

JOHN J. DUNPHY,
CHARLES ELLERY.