

No. 828,631.

PATENTED AUG. 14, 1906.

B. SHEMWELL.

BED BRACE.

APPLICATION FILED MAY 11, 1906.

Fig. 1.

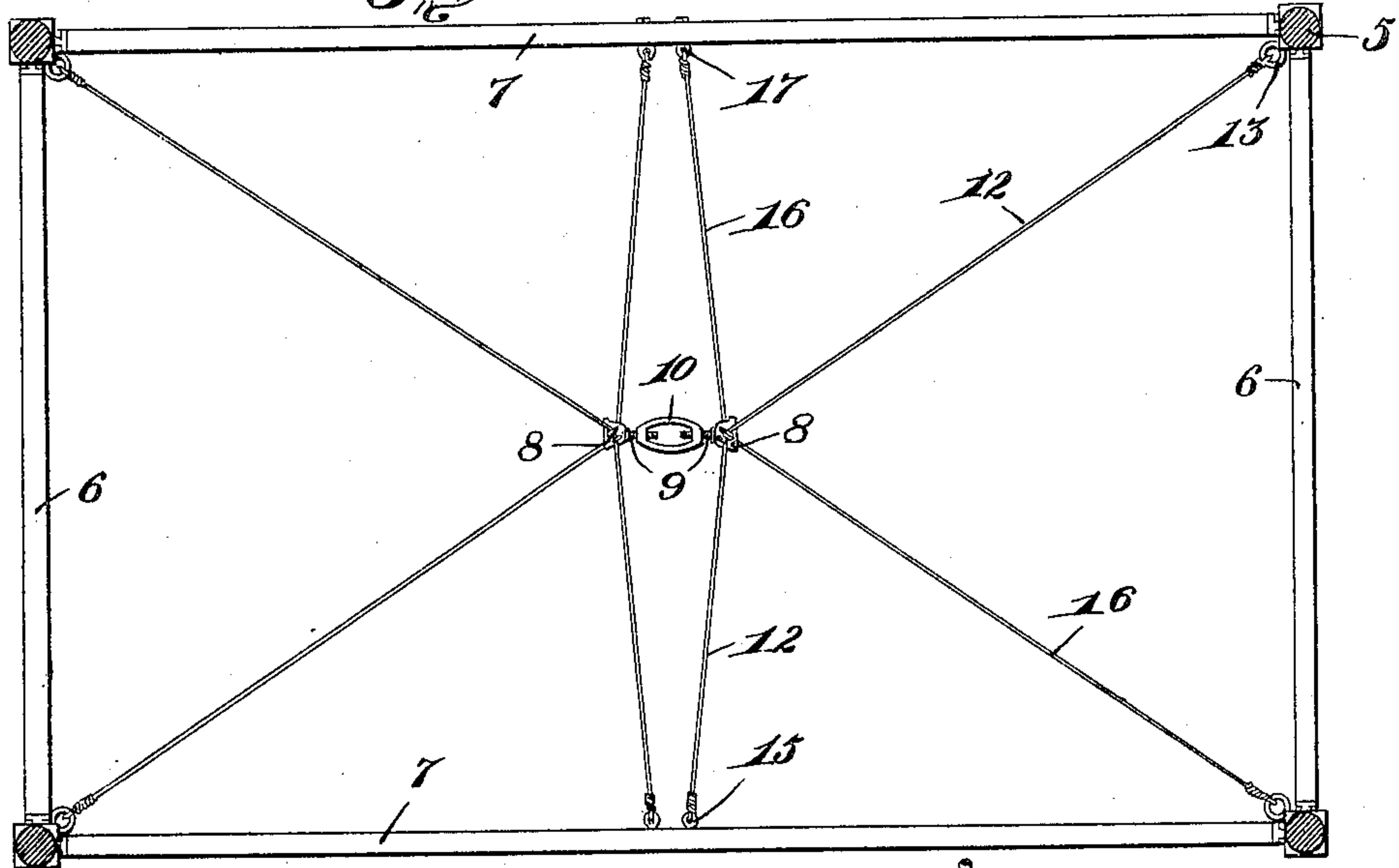


Fig. 2.

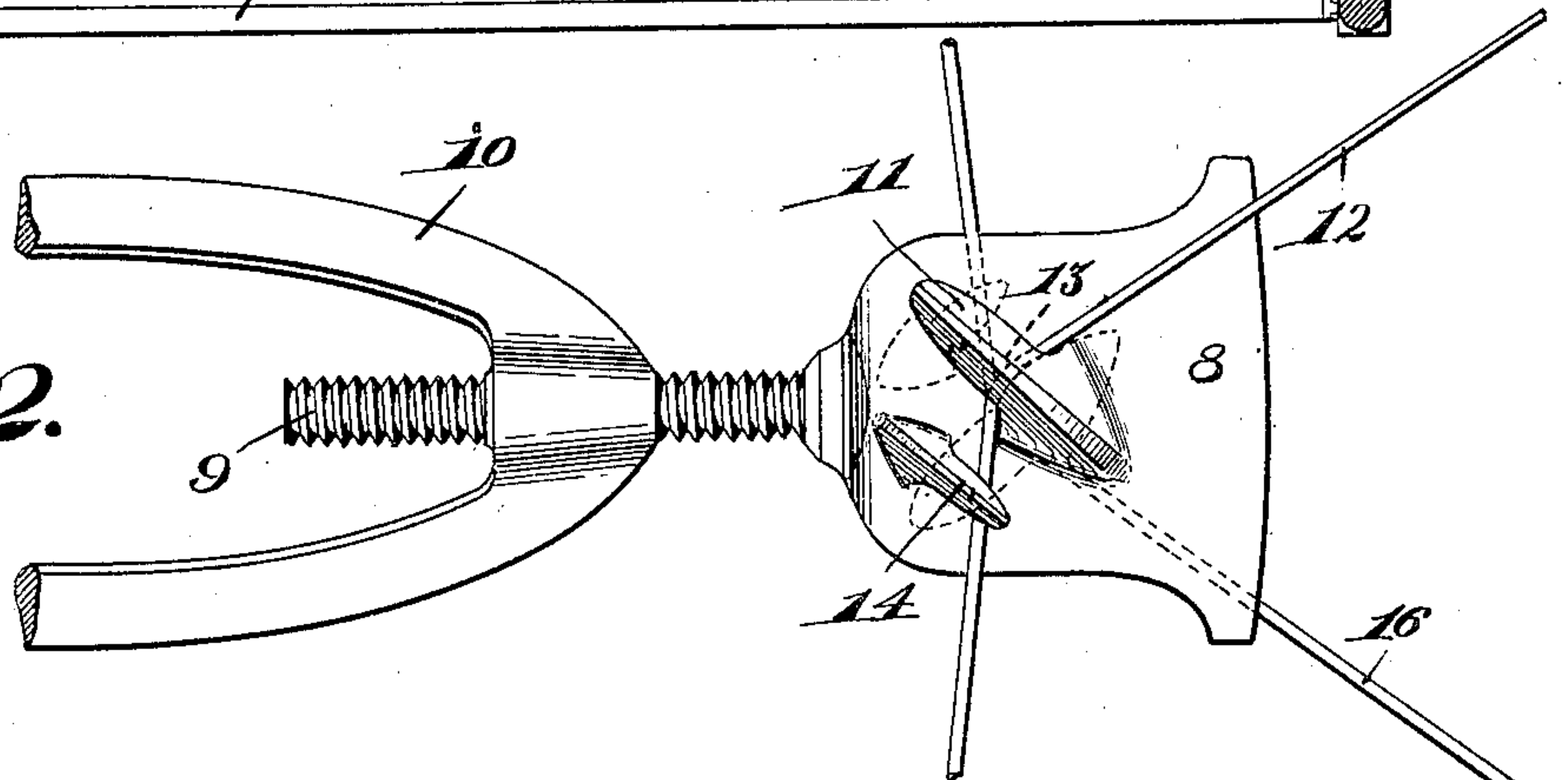


Fig. 3.

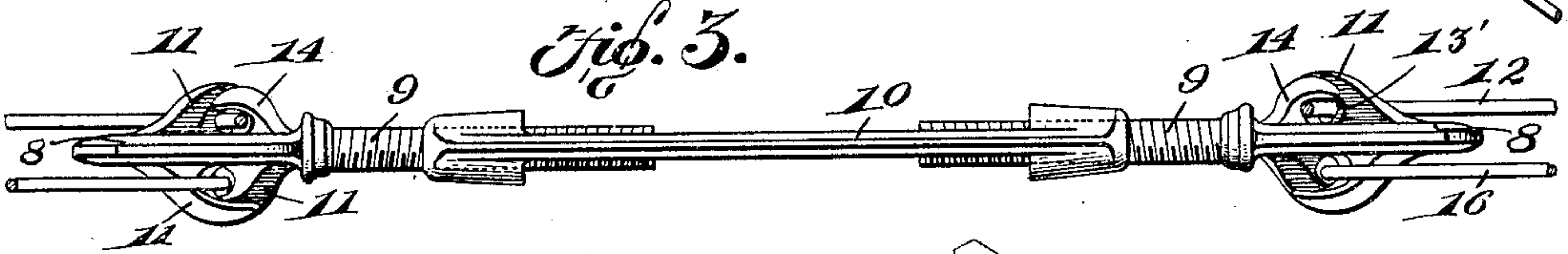
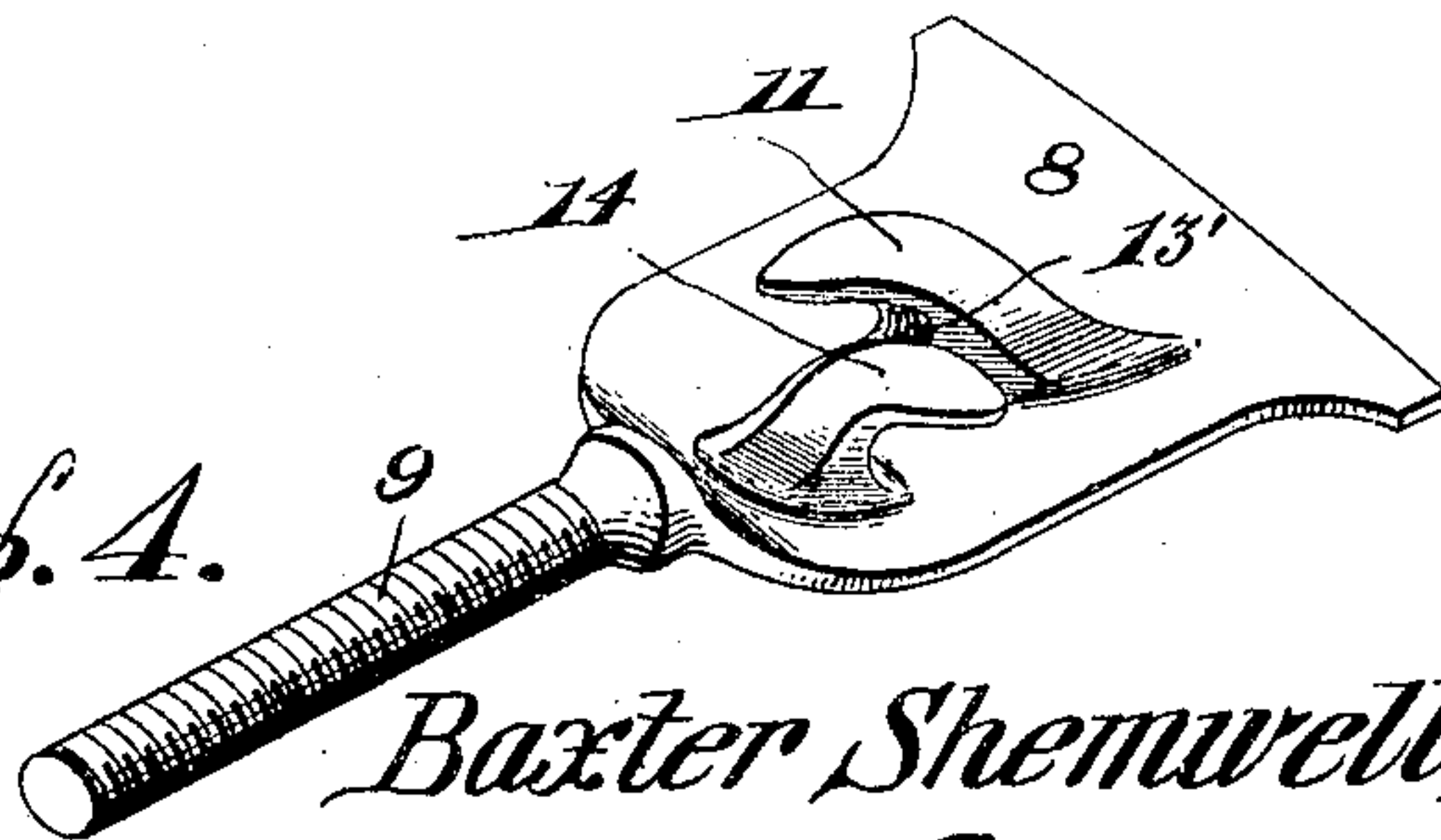


Fig. 4.



WITNESSES:

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BAXTER SHEMWELL, OF ST. LOUIS, MISSOURI.

BED-BRACE.

No. 828,631.

Specification of Letters Patent.

Patented Aug. 14, 1906.

Application filed May 11, 1906. Serial No. 316,360.

To all whom it may concern:

Be it known that I, BAXTER SHEMWELL, a citizen of the United States, residing at St. Louis, State of Missouri, have invented a new and useful Bed-Brace, of which the following is a specification.

This invention relates to bed-braces, and has for its object to provide a comparatively simple and inexpensive device of this character designed for attachment to a bedstead and by means of which the side and end rails of the bed are effectually prevented from spreading and the latter materially reinforced and strengthened.

A further object of the invention is to provide a tension device, including a pair of spaced supporting members provided with oppositely-disposed hooks adapted to receive and support the stay-wires, said members being formed with threaded extensions for engagement with a turnbuckle, whereby the tension of the stay-wires may be regulated when necessary.

A further object is to form supporting members with auxiliary wire-engaging hooks to assist in guiding and preventing accidental displacement of the wires.

A still further object of the invention is to generally improve this class of devices so as to increase their utility, durability, and efficiency, as well as to reduce the cost of manufacture.

With these and other objects in view the invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, and illustrated in the accompanying drawings, it being understood that various changes in form, proportions, and minor details of construction may be resorted to within the scope of the appended claims.

In the accompanying drawings, forming a part of this specification, Figure 1 is a top plan view, partly in section, of a bedstead provided with a brace constructed in accordance with my invention. Fig. 2 is a top plan view of one end of the tension device. Fig. 3 is a side elevation of the tension device, and Fig. 4 is a perspective view of one of the supporting members comprising the tension device detached.

Similar numerals of reference indicate corresponding parts in all of the figures of the drawings.

The improved device is principally designed for reinforcing and strengthening bed-

steads and similar articles of furniture and by way of illustration is shown applied to a bedstead of the ordinary construction, in which 5 designates the corner-posts, connected in any suitable manner by the end rails 6 and the side rails 7.

The tension device consists of a pair of supporting members each comprising a relatively flat plate 8, provided with a threaded extension 9 for engagement with a turnbuckle 10. Secured to or formed integral with the opposite faces of each of the supporting-plates is a wire-engaging hook 11, the bill of which is spaced from the adjacent face of the plate and disposed at an angle to the longitudinal axis of the same to permit the insertion of a stay-wire 12. One end of the stay-wire 12 is secured to an eye 13, fastened in any suitable manner to the adjacent post 5, while its intermediate portion engages the curved base 13' of the hook 11 and thence extends laterally beneath an auxiliary hook 14 for engagement with a similar eye 15, secured to the adjacent side rail of the bed. A similar wire 16 is secured to the adjacent bed-post and is extended beneath the bills of the main and auxiliary hooks on the opposite face of the supporting member and the end thereof secured to an eye 17, extending laterally from the opposite side rail of the bed.

The bills of the hooks 11 and 14 are spaced apart and disposed in opposite directions, so as to effectually prevent accidental displacement of the stay-wires. In operation the wires 12 and 16 are secured to the corner-posts of the bedstead and thence threaded beneath the main and auxiliary hooks and the free ends thereof secured in any suitable manner to the fastening devices on the side rails. The turnbuckle 10 is then rotated, which draws the members 8 together, thereby regulating the tension of the stay-wires and effectually reinforcing and strengthening the bed-frame.

It will of course be understood that the tension devices may be made in various sizes and shapes, and in some cases the auxiliary hooks may be dispensed with.

While the device is principally designed for use in connection with bedsteads, it is obvious that the same may be employed with equally good results on sofas, divans, chairs, or wherever a device of this kind is found desirable.

From the foregoing description it will be seen that there is provided an extremely simple, inexpensive, and efficient device ad-

mirably adapted for the attainment of the ends in view.

Having thus described the invention, what is claimed is—

5 1. In a bed-brace, a tension device including spaced supporting members each provided with oppositely-disposed wire-engaging hooks arranged at an angle to the longitudinal axis of said members, and means for
10 adjusting the supporting members to vary the tension of the wires.

2. In a bed-brace, a tension device including spaced supporting members each provided with oppositely-disposed wire-engaging
15 hooks the bills of which are arranged at an angle to the longitudinal axis of said members and spaced from the adjacent face of the same, and means for adjusting the members longitudinally to vary the tension of the
20 wires.

3. In a bed-brace, a tension device including spaced supporting members provided with main and auxiliary wire-engaging hooks, and means for adjusting the supporting
25 members to vary the tension of the wire.

4. In a bed-brace, a tension device including spaced supporting members provided with oppositely-disposed main and auxiliary wire-engaging hooks, and means for adjusting
30 the supporting members in the direction of their length thereby to vary the tension of the wires.

5. In a bed-brace, a tension device including spaced supporting members provided
35 with main and auxiliary wire-engaging hooks the bills of which are spaced apart and disposed in opposite directions, and means for adjusting the supporting members to vary the tension of the wires.

6. In a bed-brace, a tension device including spaced supporting members provided with oppositely-disposed main and auxiliary wire-engaging hooks disposed at an angle to the longitudinal axis of said members, and means for adjusting said members longitudi-
40 nally to vary the tension of the wires.

7. In a bed-brace, a tension device including supporting-plates each having a threaded extension, and provided with a wire-engaging hook the bill of which is disposed at an
50 angle to the longitudinal axis of the plate and spaced from the adjacent face of the latter, and a turnbuckle engaging the threaded extensions of the plates for adjusting the latter longitudinally thereby to vary the tension of
55 the wires.

8. In a bed-brace, a tension device including spaced supporting-plates having threaded extensions and provided on its opposite face with diagonally-disposed main and auxiliary
60 wire-engaging hooks the bills of which are spaced apart and extended in opposite directions, and a nut engaging the threads on the extensions for adjusting said plates longitudinally to vary the tension of the wires.
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9. In a bed-brace, the combination with the corner-posts and side rails, of a tension device provided with main and auxiliary wire-engaging hooks, and stay members secured to the posts and side rails and engaging
70 the main and auxiliary hooks.

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

BAXTER SHEMWELL.

Witnesses:

E. HUME TALBERT,
S. N. ACKER.