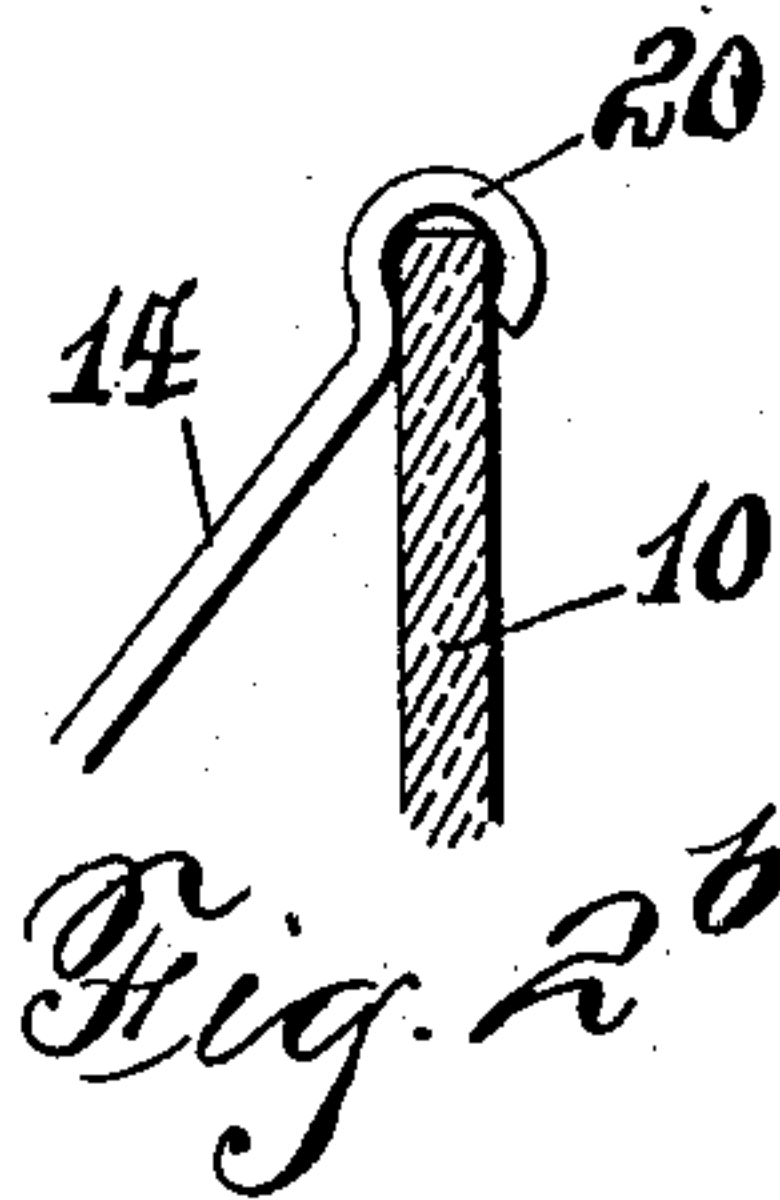
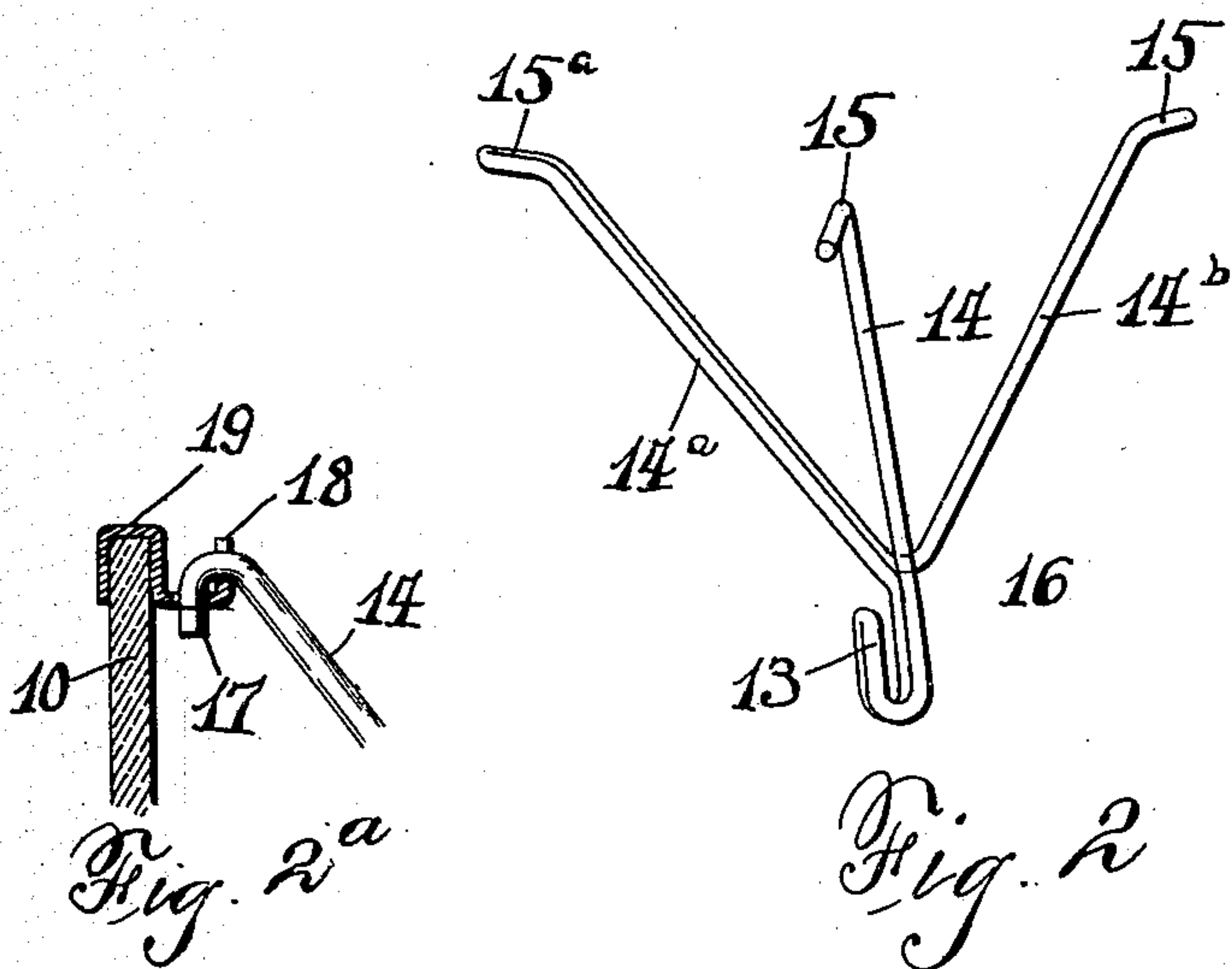
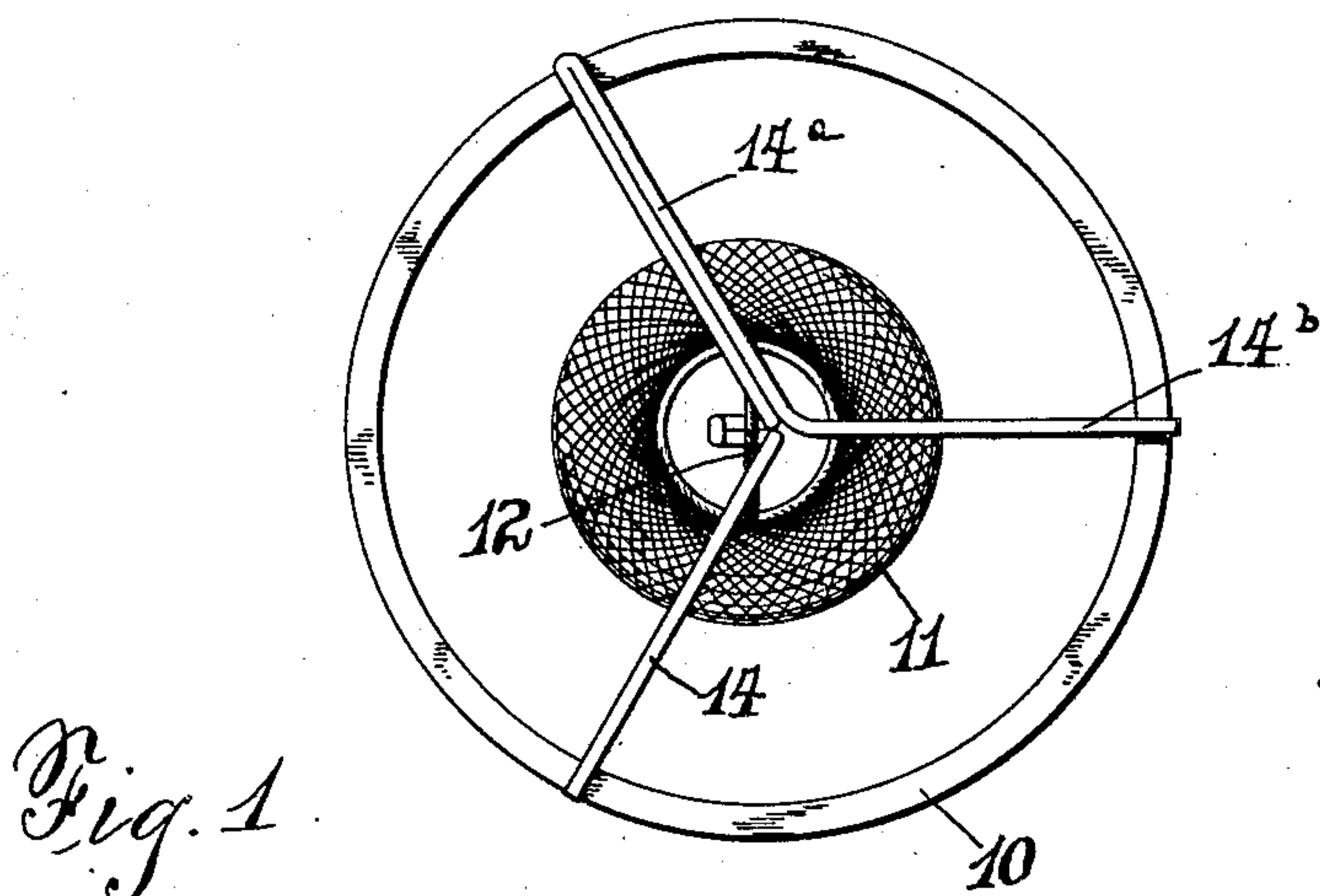


No. 860,543.

PATENTED JULY 16, 1907.

F. B. HOWARD.
MANTLE SUPPORT.
APPLICATION FILED JULY 26, 1906.

2 SHEETS—SHEET 1.



WITNESSES:

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Max B. T. Dorring

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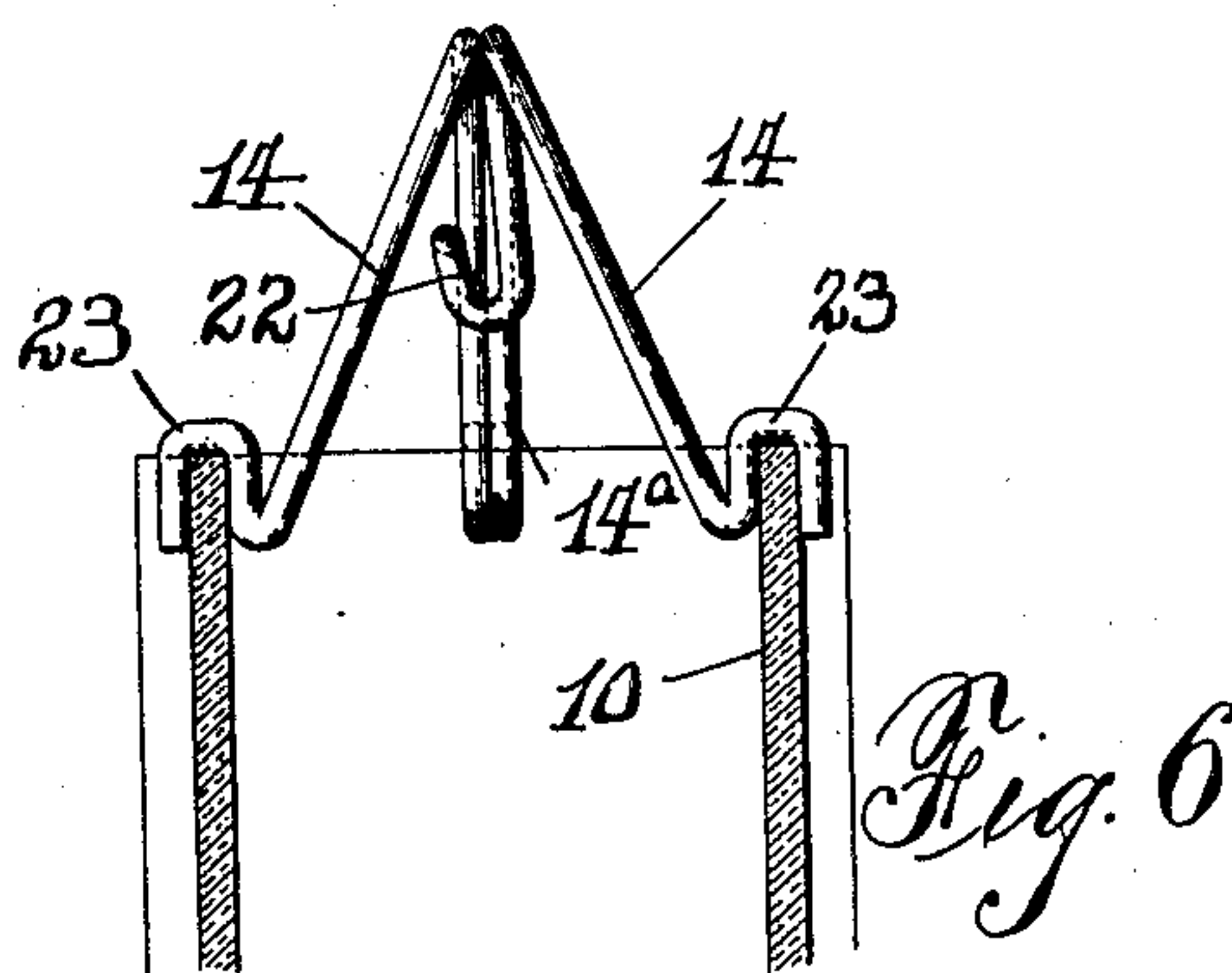
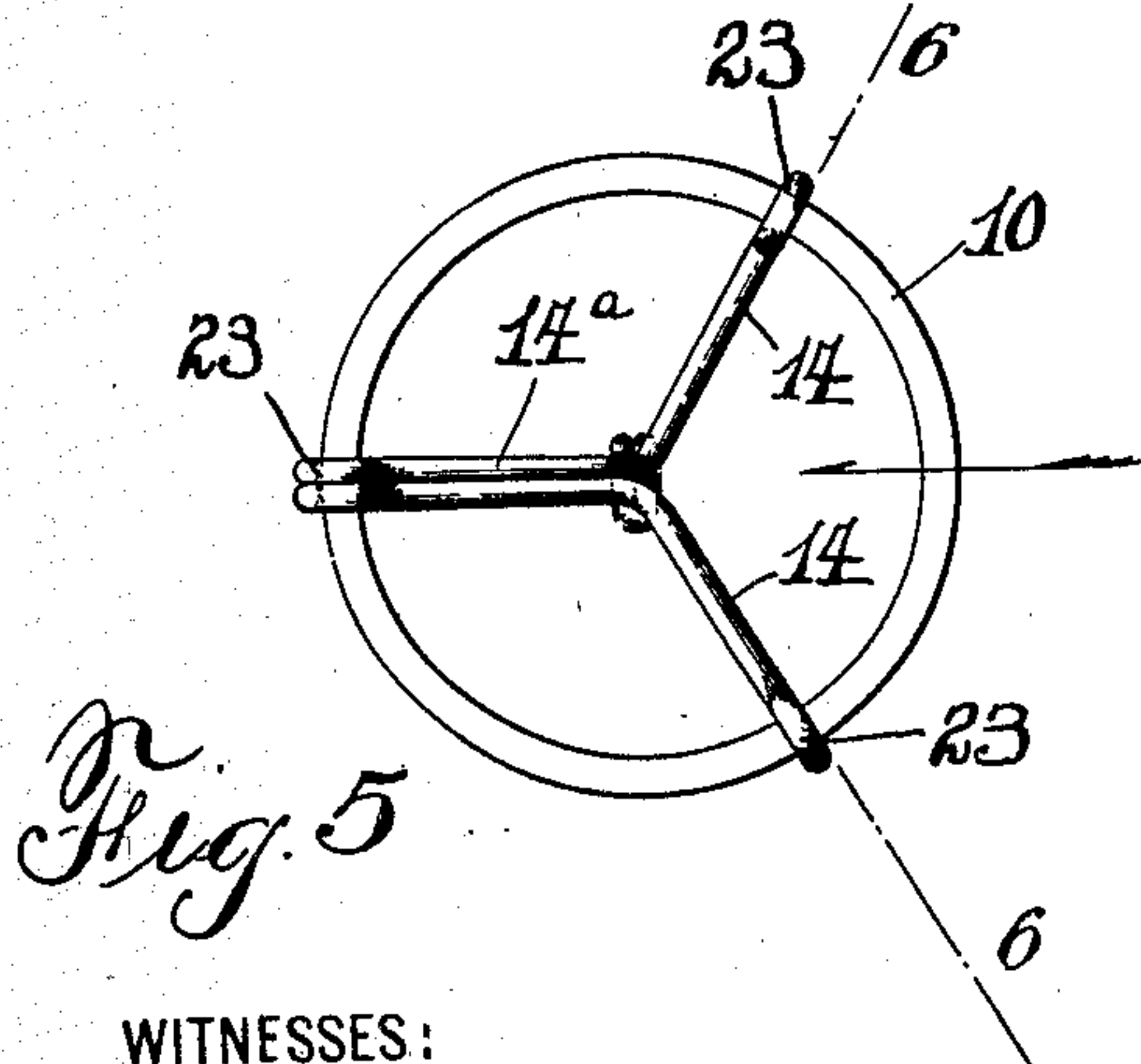
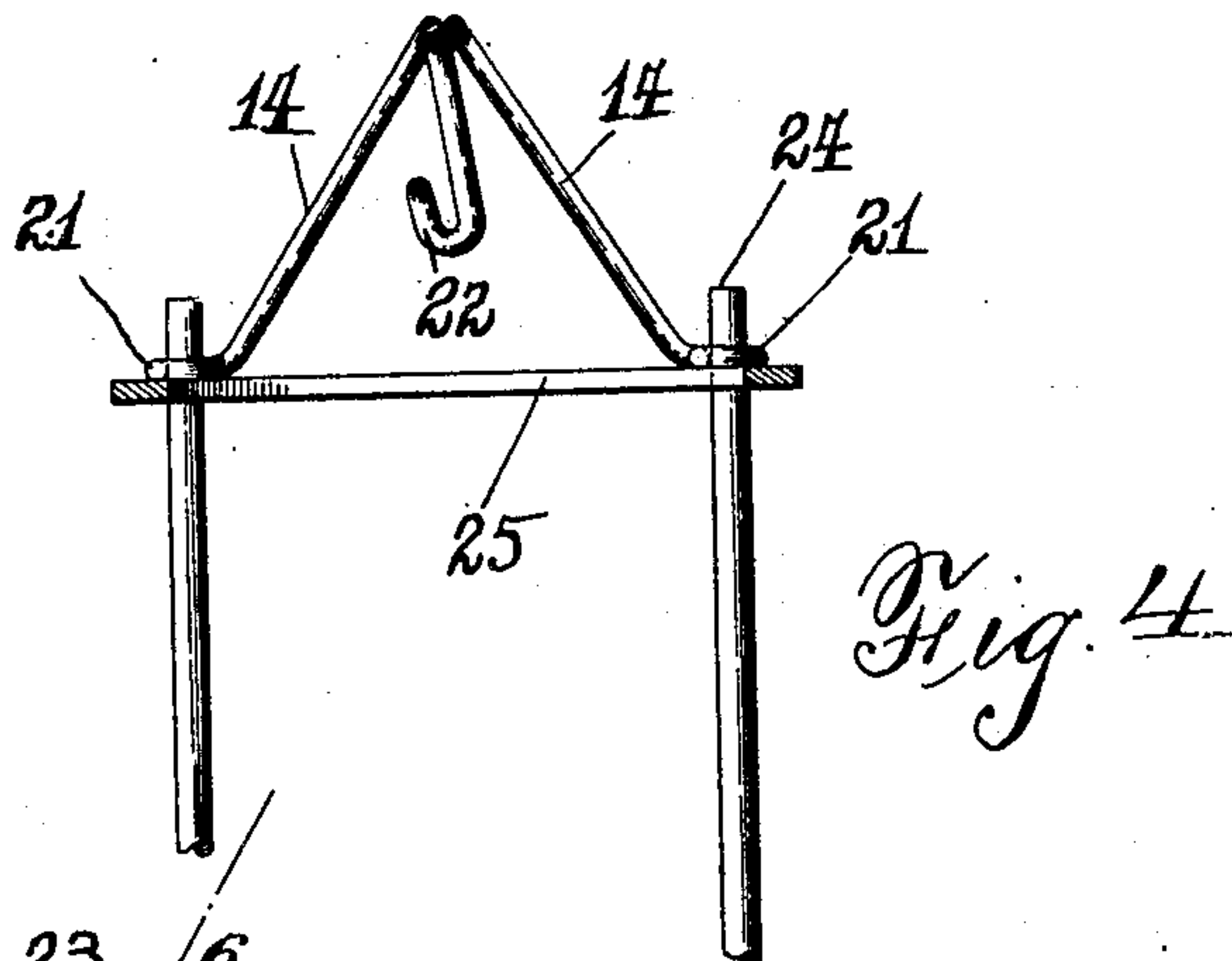
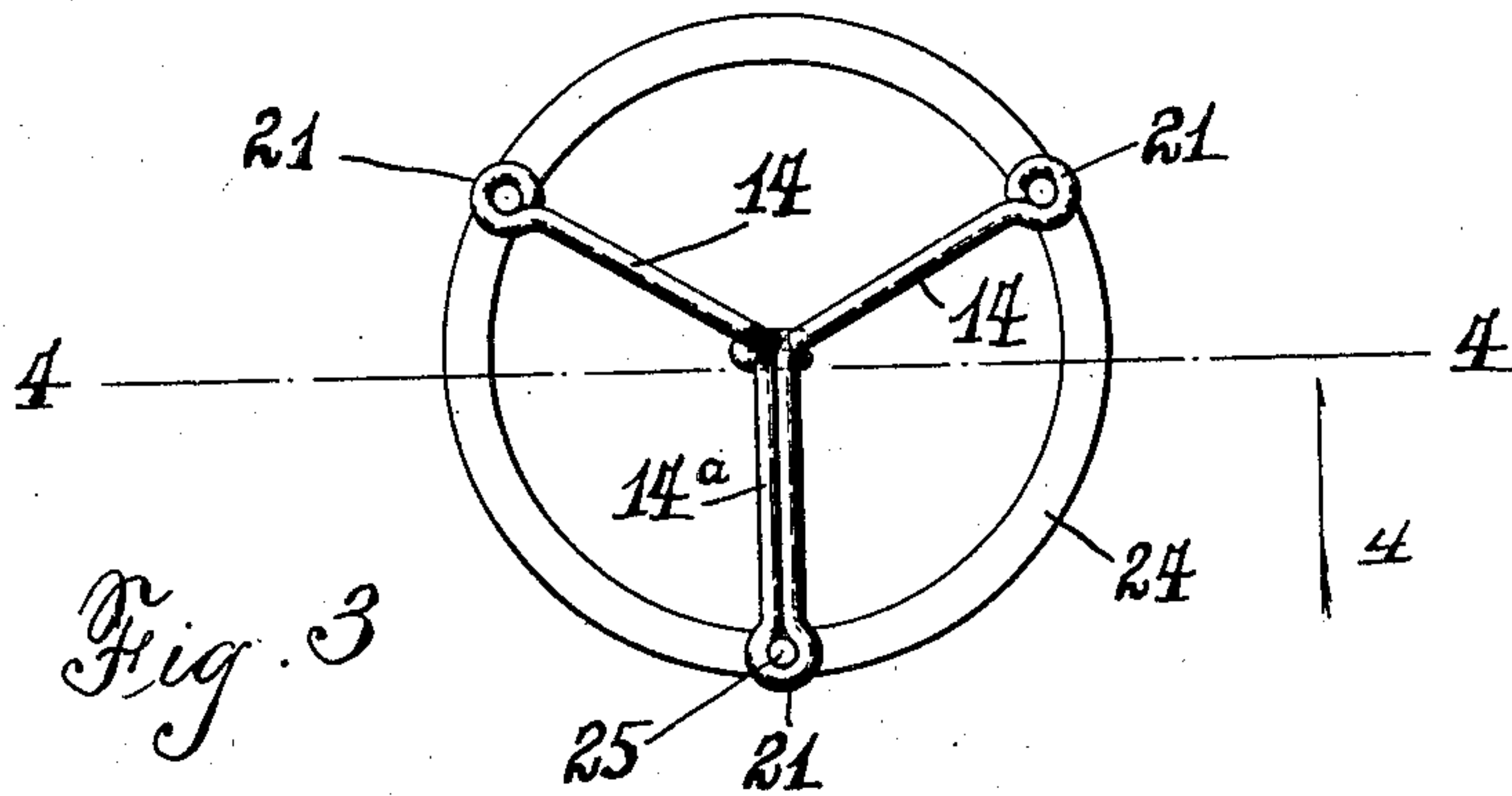
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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

FRANK B. HOWARD, OF NEW YORK, N. Y., ASSIGNOR TO RECTOR GAS LAMP COMPANY, OF NEW YORK, N. Y., A CORPORATION OF CONNECTICUT.

MANTLE-SUPPORT.

No. 860,543.

Specification of Letters Patent.

Patented July 16, 1907.

Application filed July 26, 1906. Serial No. 327,806.

To all whom it may concern:

Be it known that I, FRANK B. HOWARD, of the city, county, and State of New York, have invented a new and Improved Mantle-Support, of which the following is a full, clear, and exact description.

My invention relates to improvements in mantle supports, such as are adapted to support a mantle on an incandescent gas lamp from the top of a chimney or some other part of the lamp fixture above the mantle top, and the object of my invention is to produce an extremely cheap and simple device which can be easily made up out of wire bent to the required shape, and which will hold the mantle securely perpendicular, and in a way to prevent shadows.

To these ends my invention consists of certain features of construction and combinations of parts which will be hereinafter described and claimed.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar letters and figures of reference indicate corresponding parts in all the views.

Figure 1 is a plan view of my mantle holder as applied to a chimney top or mantle. Fig. 2 is a perspective view of the mantle holder. Fig. 2^a is a detail sectional view showing a slight modification of the device. Fig. 2^b is a detail of another modification of the invention. Fig. 3 is a plan view of a modification of the device, in which the tripod projects upward instead of downward, and is applied to the standards of a lamp fixture. Fig. 4 is a cross section on the line 4.4 of Fig. 3. Fig. 5 is a plan view of a slight modification showing the application of the structure showing Figs. 3 and 4, and Fig. 6 is a section on the line 6.6 of Fig. 5.

The chimney 10 can be of any usual kind and within it is the customary mantle 11 which has a loop 12 supported by the hook 13. This is formed on a wire hanger or tripod forming my invention and the latter is made up of a single wire 14 which is bent at one end to form a foot 15 to rest on the chimney 10 and the wire is extended downward, doubled and returned upon itself to form the hook 13, is then extended diagonally upward as shown at 14^a, doubled upon itself to form the foot 15^a, returned to a point near the hook 13 and then extended in the form of a single arm 14^b which terminates in a foot 15. In this way three arms are formed, though obviously more could be used without affecting the principle of my invention. The important thing is that the hanger is shaped up from a single wire and can be easily placed

upon a chimney so as to stick down into it and carry the mantle.

In Fig. 2^a the arms 14, 14^a and 14^b terminate in hooks 17 adapted to engage brackets 18 on a ring 19 which is carried by the chimney top, or the structure can be made as in Fig. 2^b, where the arms of the hanger terminate in hooks 20 adapted to fit directly upon the top of the chimney 10.

It is obvious that the structure can be used in an inverted manner, that is, with the arms extended upward instead of downward, if desired, without affecting the principle of the invention. In Figs. 3 to 6 I have shown such a structure, and in Figs. 3 and 4 the arms 14 and 14^a meet about a common point, as already described, except that they extend upward and two of them are bent down to form the hook 22, as shown. The arms of the hanger in these figures also terminate in eyes 21 which are adapted to fit over the standards 24 which support the ring or plate 25. This fixture is common to many kinds of incandescent gas lamps, and the hanger can be easily applied to these usual standards. In Figs. 5 and 6 I have shown the arms of the hanger formed into hooks 23 which fit directly upon the chimney top.

From the foregoing description it will be clearly seen and the modification shows that the hanger arms can be provided at the ends with any suitable means for engaging a part of the lamp fixture, such as the chimney top, the standards, the brackets 18 or any convenient support without affecting the principle of my invention, the important part of which is the hanger formed of the wire with the bracing arms and the sustaining hook.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent:—

1. A mantle support for incandescent gas lamps, comprising a single wire shaped to form a tripod, with a hook at the apex of the structure, and with the ends of the arms shaped to rest upon the support.

2. A mantle support comprising a tripod formed of a single wire, two of the arms of the tripod being single, the third double, and a hook being formed of the doubled wire at the apex of the tripod.

3. A mantle support comprising a tripod made of a single wire shaped to form upwardly converging arms, having means at their outer ends to rest upon a support, and having a pendent hook dropping from the highest-part of the tripod.

FRANK B. HOWARD.

Witnesses:

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FRANK L. STUBK.