

No. 877,362.

PATENTED JAN. 21, 1908.

W. H. NICOLAY.
SIGN ILLUMINATING DEVICE.
APPLICATION FILED MAY 6, 1907.

Fig. 1.

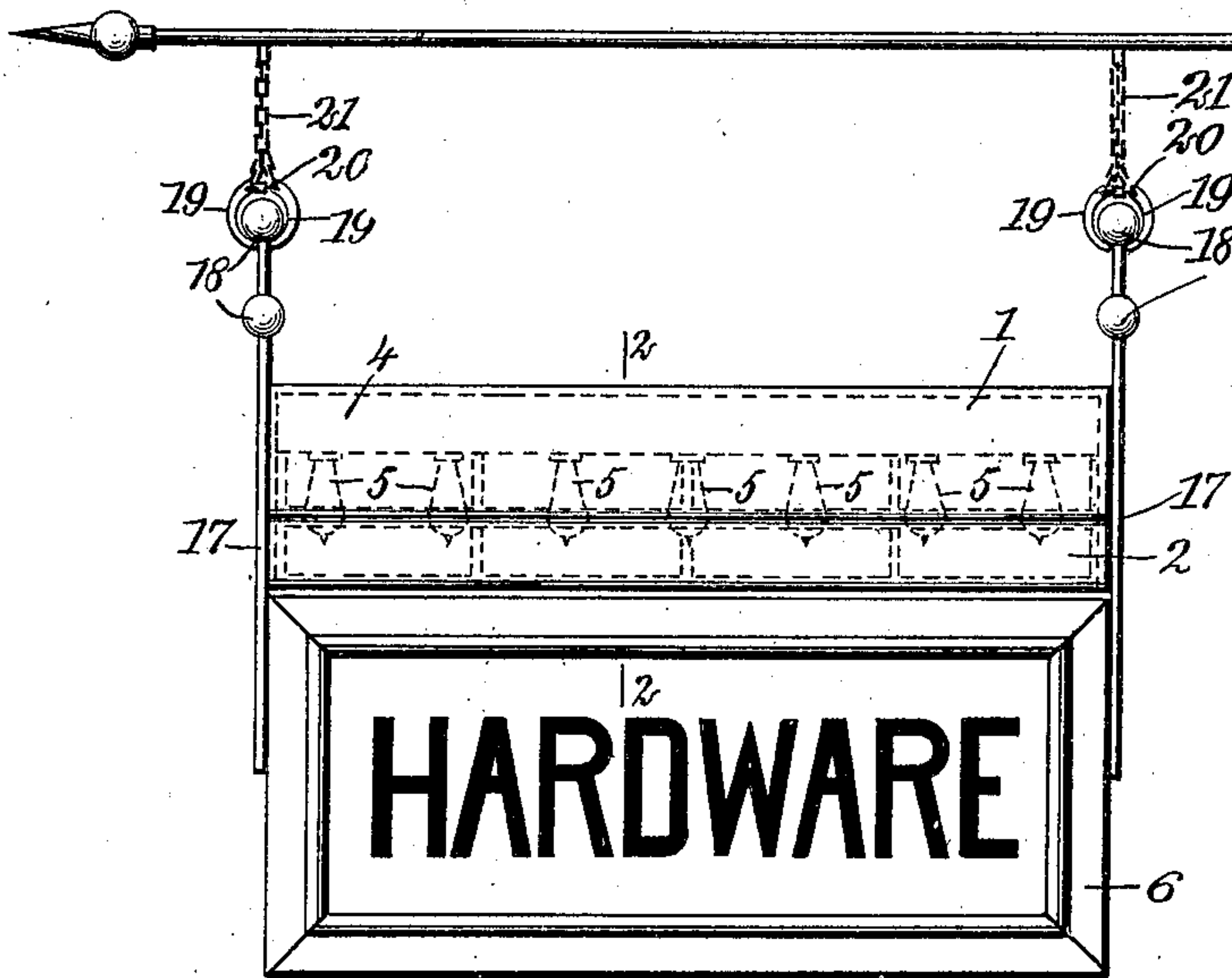


Fig. 2.

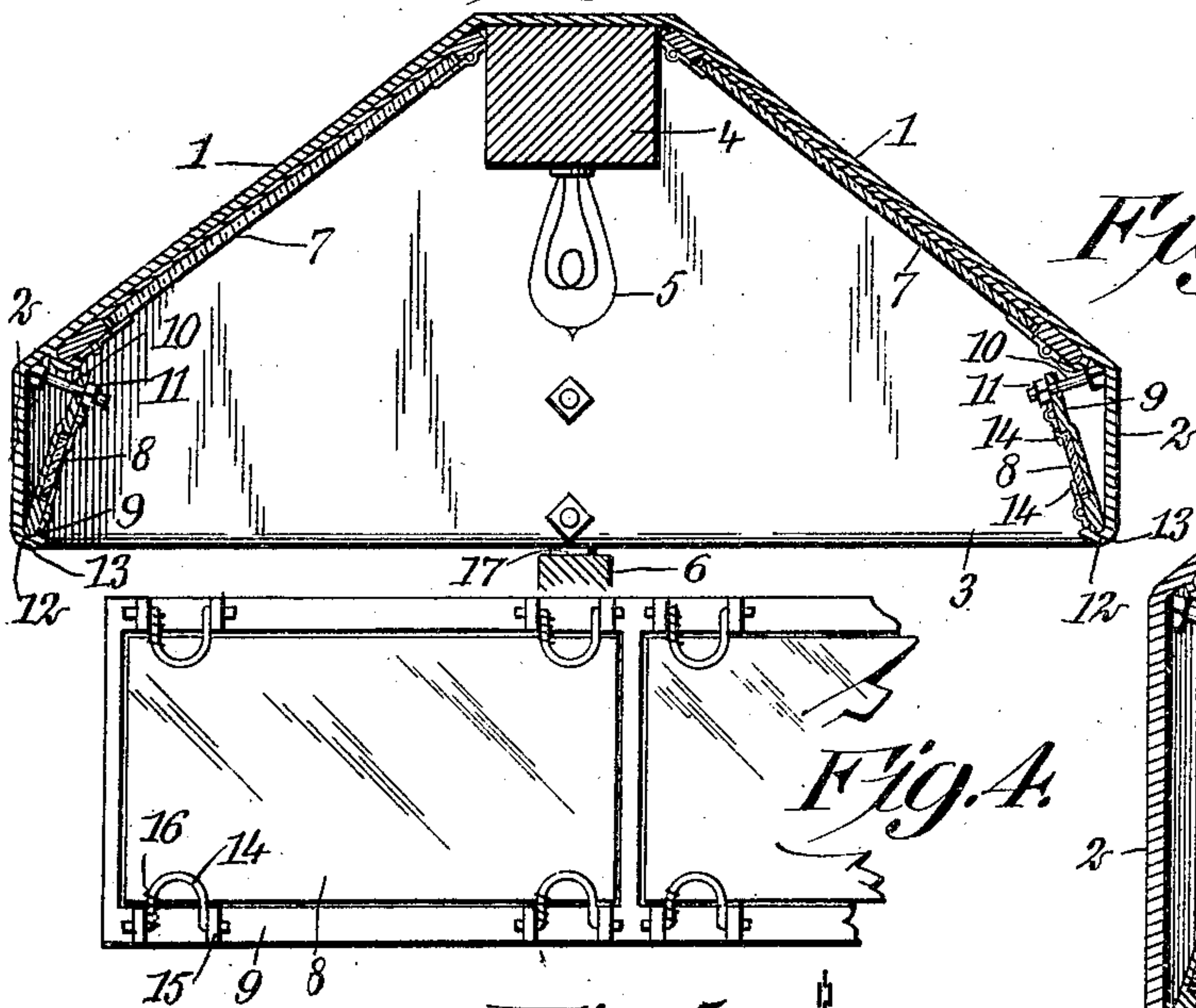


Fig. 3.

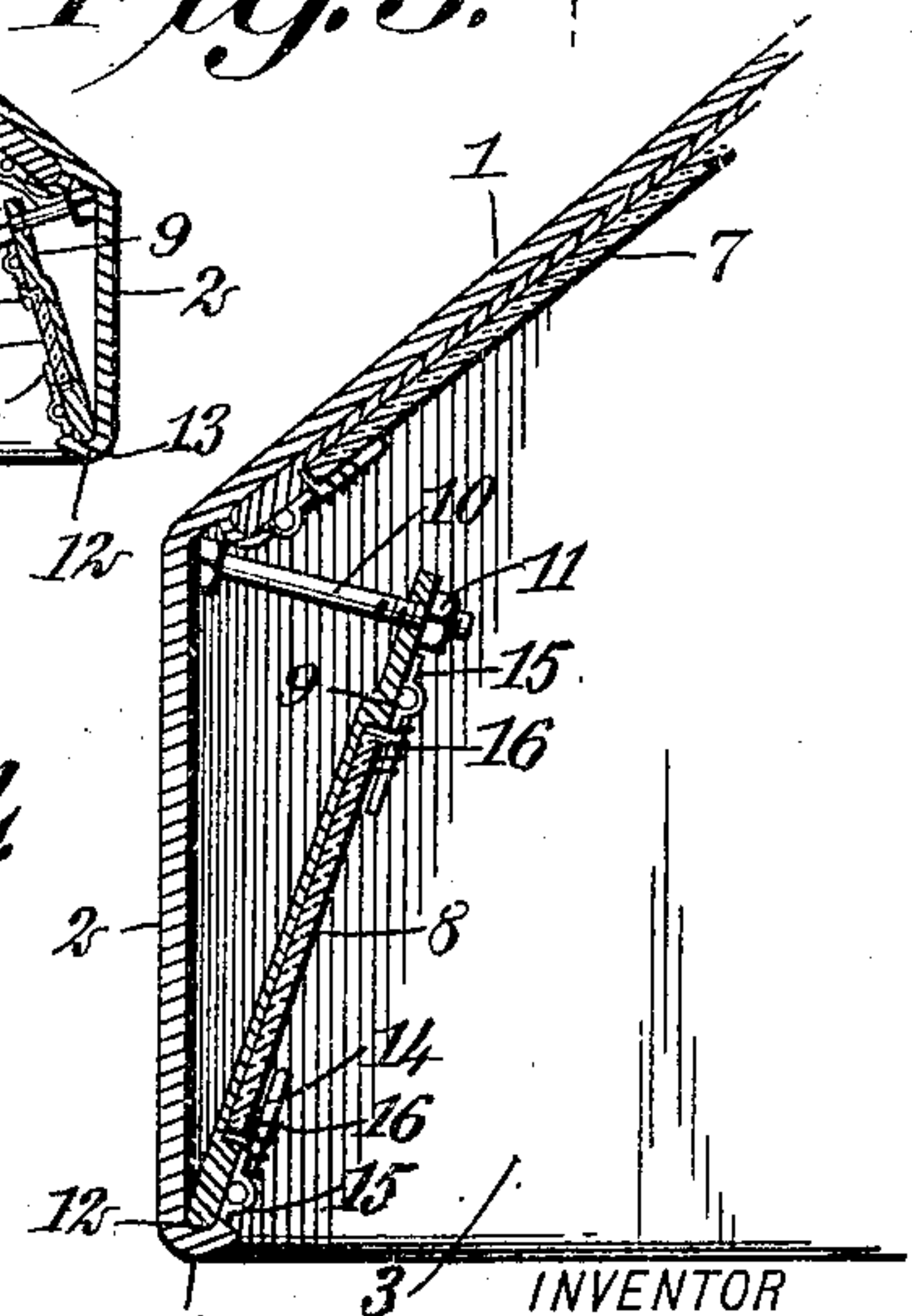
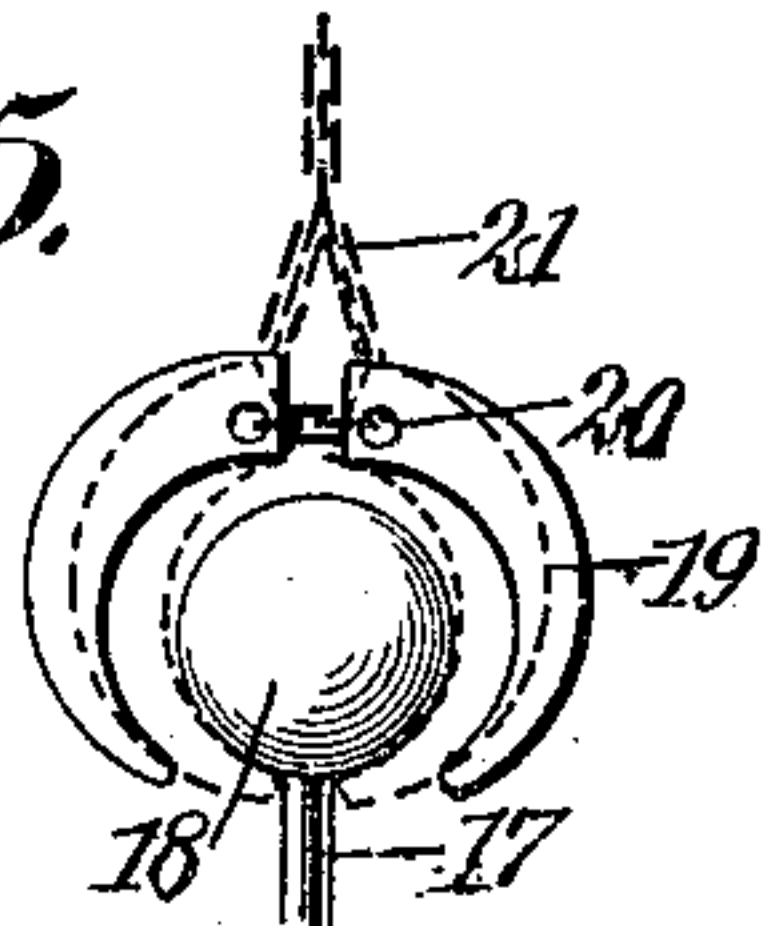


Fig. 4.

WITNESSES

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Fig. 5.



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SIGN-ILLUMINATING DEVICE.

No. 877,362.

Specification of Letters Patent.

Patented Jan. 21, 1908.

Application filed May 6, 1907. Serial No. 372,256.

To all whom it may concern:

Be it known that I, WILLIAM H. NICOLAY, a citizen of the United States, and a resident of the city of New York, borough of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Sign-Illuminating Device, of which the following is a full, clear, and exact description.

This invention has for its primary object to provide means adapted to enable a sign to be illuminated evenly on both sides by a series of lamps, and to enable said lamps to illuminate with a minimum amount of power the front of a store and the side walk connected therewith.

Other objects relating to the specific construction and special arrangement of the several parts of the device will be understood from the following description and accompanying drawings, in which drawings like characters of reference indicate like parts throughout the views, and in which

Figure 1 is a side view of a device embodying my invention; Fig. 2 is a vertical transverse section taken on the line 2—2 of Fig. 1; Fig. 3 is a transverse section of a portion of the device shown in Fig. 2 enlarged; Fig. 4 is a front elevation, partly broken away, of a reflector; and Fig. 5 is a side elevation of a device for suspending a sign.

As illustrated in the accompanying drawings, 1 represents inclined top plates of a hood having side plates 2 connected therewith, and end plates 3. A lamp support 4 is connected with the upper portion of the hood in any suitable manner, and provided with incandescent lamps 5 extending in a longitudinal series centrally of the hood. A sign 6 is suspended below the hood in line with the lamps 5 so that the light from said lamps will reflect on both sides of said sign. Reflecting mirrors 7 are attached to or connected with the top plates of the hood, and the sides of the hood are also provided with mirrors 8 mounted thereon in any suitable manner, preferably in frames 9 adapted to be inclined relatively to the sides of the hood and held at the desired inclination by means of bolts 10 attached to the hoods, extending through suitable apertures formed in said frames, and provided with nuts 11, by means of which the mirror frame may be held at the desired inclination. The lower edge 12 of the frames 9 may be supported in sockets formed on the lower portion of the sides of the hood, preferably by turning inward the

lower edges 13 thereof. The side mirrors 8 may best be constructed in sections detachably secured to the frames 9 by means of clasps 14 having a pivotal connection with lugs 15 formed in said frame and held against the reflector sections by means of springs 16, one end of which is fixed to the frame of the reflector and the other end wound around or bearing against the clasp 14 in any suitable manner, so as to normally hold said clasps against the reflector sections by spring tension. Either of the sections of the reflector may thereby be removed therefrom by freeing the clasps 14 from said sections and allowing them to resume their normal position after a new section has been inserted in the frame.

In the construction herein shown and described, retaining clasps 14 are shown connected with the upper and lower portions of the reflector frame. Such construction may be modified, however, by using the clips on either the upper or lower portions of the reflector frame, and holding the portions of the frame opposite to such clip in any other suitable manner. The sign 6 is preferably provided with adjusting mechanism of any suitable construction adapted to support the sign and frame at any desired height from the ground. In the construction herein shown and described supporting bars 17 are fixedly attached to the ends of the sign and provided with a plurality of spherical heads 18 adapted to engage grappling arms 19 having apertures 20 adapted to receive a link or chain 21 by means of which the upper end of the grappling arms 19 may be drawn together, when pressure is exerted on the inner portion of said arms, thereby clamping and holding the spherical heads 18 of the supporting bars 7 firmly in position. The bars 17 may in the first instance be constructed with any desired number of heads 18, and when the device is permanently placed in position it may be adjusted at the desired elevation relatively to the means to which it is attached, by cutting off the heads 18, not required, and thereby reducing the bars 17 in length and securing the sign and hood at the desired elevation.

When the device is in use the lamps 5 illuminate both sides of the frame 6 because of its arrangement directly above said frame, and in line therewith. The side reflectors illuminate the sides of the sign and distribute the light evenly on all portions of both sides

thereof, while the top mirrors 7 reflect all of the light downward and laterally, illuminating the side walk and front or show windows of a store. The side reflectors 8 being adjustable in respect to their vertical inclination are adapted to be arranged so as to reflect the full volume of light of the lamps onto a side walk when the hood and sign are arranged at various elevations. Thus, where arranged at a considerable distance from the side walk the side reflectors are inclined relatively to the side of the hood to their greatest extent, and in case where the hood and sign are arranged nearer to the ground the side reflectors may be adjusted to a more nearly vertical position.

The construction herein shown and described embodies the invention in its preferred form. Other means having similar capabilities may be used, however, without departing from the spirit of the invention.

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

1. The combination with a hood having reflectors, of a series of lamps extending centrally of the hood, and a sign arranged below and in line with said lamps.
2. The combination with a hood having top and side reflectors, of a series of lamps extending centrally of the hood, and a sign arranged below said lamps and in line therewith.
3. The combination of a hood having inclined top plates and side plates connected therewith, and provided on their inner sides with reflectors, a series of lamps extending centrally of the hood, and a sign arranged below said lamps in line therewith.
4. The combination with a hood having in-

clined top reflectors, of side reflectors adapted to be adjusted in respect to their vertical inclination, a series of lamps extending centrally of the hood, and a sign arranged below and in line with said lamps.

5. The combination with a hood having top reflectors, of side reflectors mounted on frames adjustable in respect to their vertical inclination on said hood, means for securing said frames in their adjusted position, a series of lamps extending centrally of the hood, and the sign arranged below said lamps and in line therewith.

6. The combination with a hood having reflectors, comprising detachable sections, of a frame adapted to receive said sections, spring actuated clasps holding the sections in said frame, means for adjusting the vertical inclination of said frames in said hood, a series of lamps extending centrally of the hood, and a sign arranged below said lamps.

7. The combination with a hood having top and side reflectors, of a series of lamps extending centrally of the hood, a sign arranged beneath said lamps, and in line therewith, and vertically extending supporting bars.

8. The combination with a hood having top and side reflectors, of a series of lamps extending centrally of the hood, a sign arranged below said lamps, and in line therewith, supporting bars attached to the ends of said hood and provided with spherical heads, and means for clamping said spherical heads.

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

WILLIAM H. NICOLAY.

Witnesses:

ROBERT W. HARDIE,
JOHN P. DAVIS.