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PATENTED FEB. 24, 1903.

D. S. DOW.
ADJUSTABLE FIXTURE FOR WINDOW SHADES.

APPLICATION FILED APR. 14, 1902.

NO MODEL.

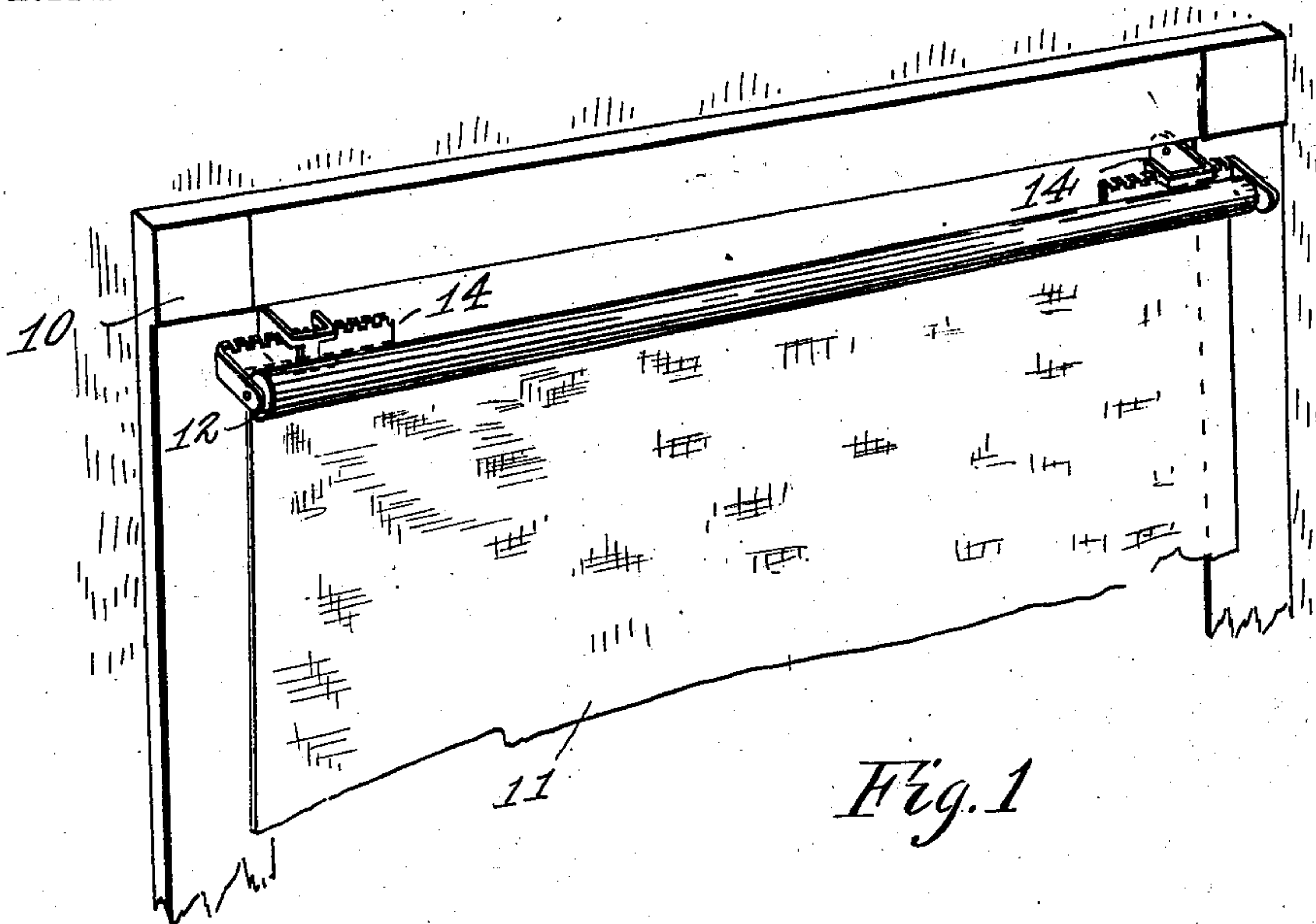


Fig. 1

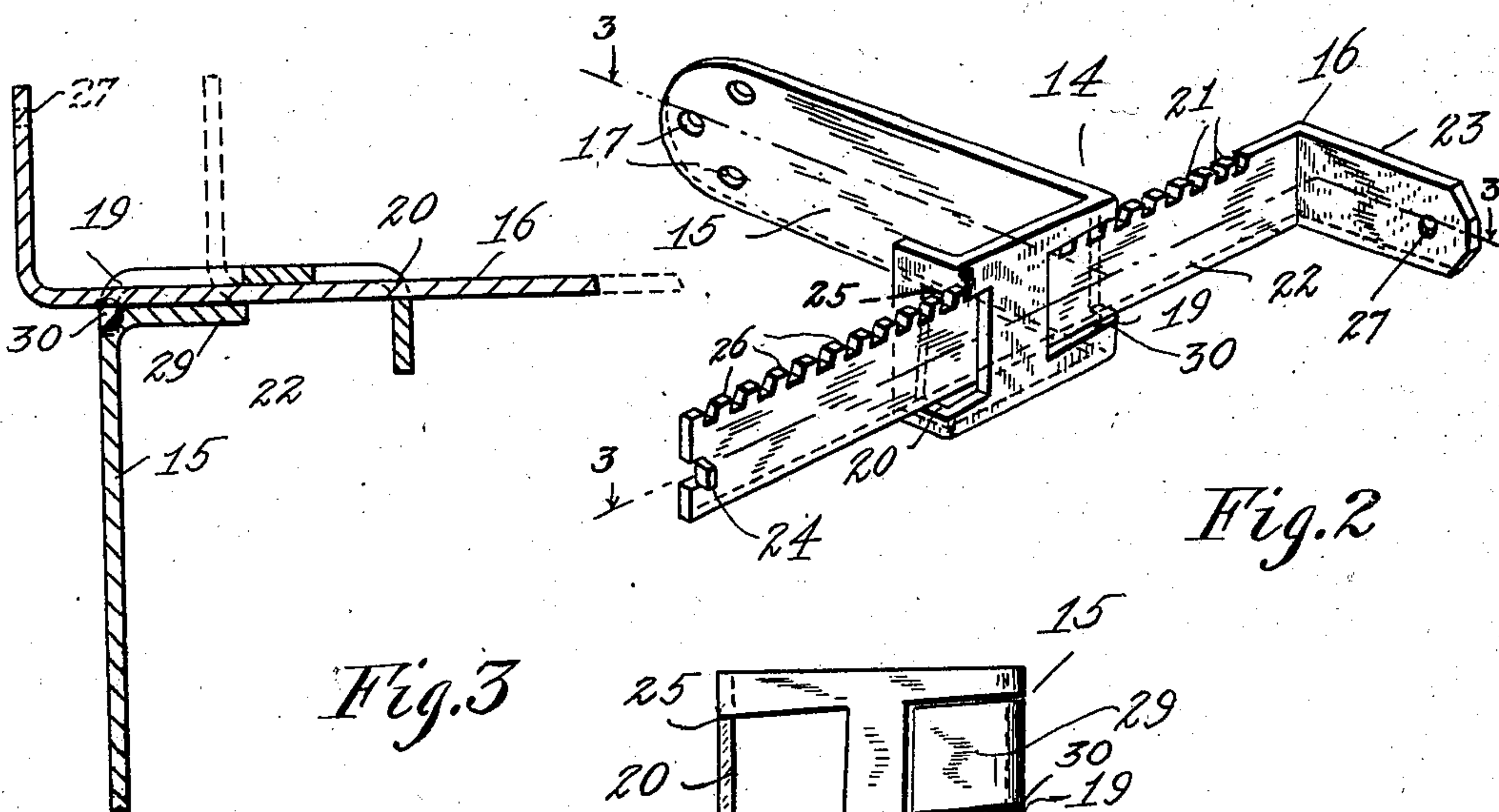


Fig. 2

Fig. 3

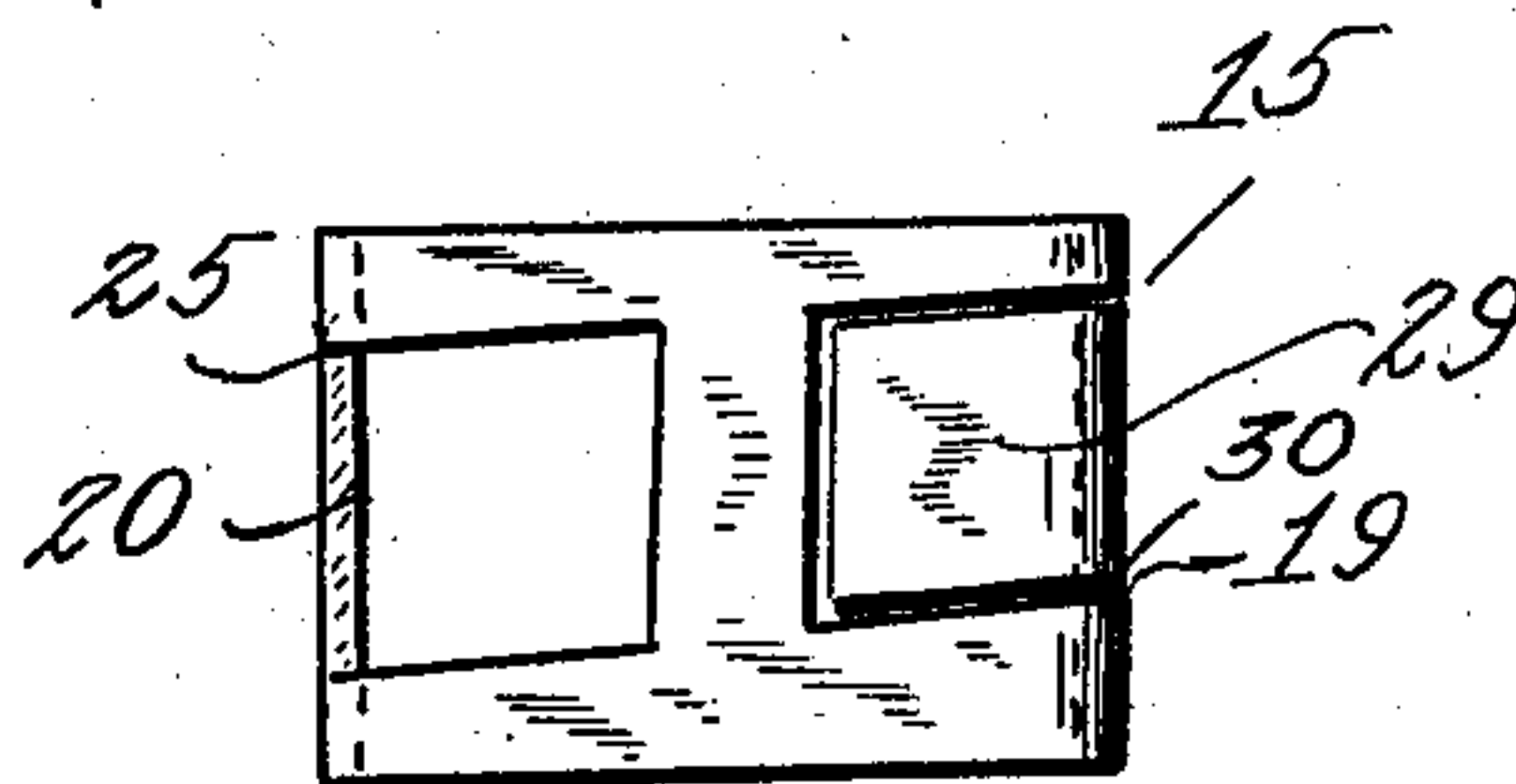


Fig. 4

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DAVID S. DOW, OF SEATTLE, WASHINGTON.

ADJUSTABLE FIXTURE FOR WINDOW-SHADES.

SPECIFICATION forming part of Letters Patent No. 721,546, dated February 24, 1903.

Application filed April 14, 1902. Serial No. 102,932. (No model.)

To all whom it may concern:

Be it known that I, DAVID S. DOW, a citizen of the United States of America, and a resident of the city of Seattle, in the county of King and State of Washington, have invented certain new and useful Improvements in Adjustable Fixtures for Window-Shades, of which the following is a specification.

My invention relates to improvements in adjustable fixtures for hanging window-shades, and has special reference to a device of this class adapted for supporting shades which are secured to a roller or the like.

Among numerous objects attained by this invention and readily understood from the following specification and accompanying drawings, included as a part thereof, is the production of a most simple and inexpensive fixture especially applicable for the support of shade-rollers.

The invention embodies essential features of utility and general efficiency, which render it easy to place and readily adjustable to accommodate rollers of various lengths without requiring displacement.

The above-mentioned and numerous other objects equally desirable are attained by the construction, combination, and arrangement of parts as disclosed by the drawings, set forth in this specification, and succinctly pointed out in the appended claims.

With reference to the drawings filed herewith and bearing similar reference characters for corresponding parts throughout, Figure 1 is a perspective view of the upper portion of a window-frame or the like and indicates a shade and roller in relative position and supported by fixtures of my improved construction. Fig. 2 is a perspective view, on large scale, of the improved fixture. Fig. 3 is a longitudinal section of the parts of the fixture on line 3 of Fig. 2 and indicates by broken lines the bracket thereof in extreme adjusted position and also the base likewise indicated in modified form, and Fig. 4 is a front end view of the base.

Reference character 10 indicates a window-frame or the like of any ordinary construction, at which it is assumed, for the sake of illustrating one application of my improved

fixture, that it is desired to support a shade, as 11, by means of an ordinary roller 12 and fixtures 14 of my improved pattern. Each fixture 14 embodies a base portion, as 15, and a bracket, as 16, which is movably mounted on the base and arranged for adjustment substantially parallel to the axis of the shade roller or support 12, so as to accommodate shades of various widths or rollers of various length without rendering it necessary to detach the fixtures from the window-frame. The base part 15 is adapted to carry sockets or guides, as 19 and 20, at separated points at its outer end, in which the bracket 16 is mounted, and one of these guides is conveniently arranged to offer a fulcrum on which the bracket is tilted to latch and unlatch it respecting the base when the bracket is adjusted, and the other guide is conveniently arranged to coact with the shank of bracket 16 when tilted by the weight of curtain or roller to latch and holds it in the desired adjusted position.

As now considered the base 15 comprises a rectangular section of plate metal conveniently brought to substantially L shape, with the free end of the stem part constructed in any desired or preferred manner, as illustrated by bold and broken lines in Figs. 1 and 3, for attachment to a window frame, sash, or the like. As now constructed the stem of this base has screw-apertures, as 17, at the free end, whereby ordinary wood-screws are introduced to fasten the base upon the inner surface of the window-frame, Fig. 1, or to a window-sash, should a portion of the free end of the stem of the base be set at an angle, as disclosed by broken lines in Figs. 2 and 3. In the present embodiment the base 15 is made from a single piece of pliable metal bent to the desired L shape, with a portion of the free extremity or toe of the foot bent inwardly at right angles to conveniently provide for forming the guide or socket 20 at this point, and which socket is formed by cutting a suitable aperture through said portion, and a like aperture is cut through the heel of the base to conveniently form the guide or socket 19. These apertures preferably consist of slots which are rectangular in outline and of

suitable size to freely receive the shank 22 of bracket 16, and slot 20 is preferably placed slightly below that of slot 19, so that the top edge 25 thereof will conform to a latch which serves to dog bracket 16 and secure it in adjusted position when the adjacent portion of the shank thereof is raised by the tilting of the shank, with the bottom edge 30 of the slot 19 acting as a fulcrum.

10 In the present instance bracket 16 comprises a single piece of plate metal having one end bent outwardly to form a laterally-projecting lug or hanger which has an aperture or opening 27 of suitable size and form to receive a respective stub-axle of the shade-roller or a suitable curtain-support. At the opposite end a stop, as 24, is provided in any suitable manner, as by cutting a portion of the metal comprising the bracket free on three sides and then bending same outwardly after the stem of the bracket has been inserted in the sockets or guides of the base. The top edge of this bracket is conveniently provided with indentures, as 21, of suitable size to receive the top edge of slot 20 when the shank of the bracket is tilted, and these indentures are provided by cutting notches into the metal at desired intervals and of sufficient depth to allow the bracket to rest in a substantially horizontal position when either of the notches is brought to engage the top edge 25 of slot 20, and the said notches are preferably formed at an incline from the perpendicular, so as to conveniently afford a sharp edge, as 26, at the forward upper corner of each section of metal included between the notches, which will bite into the tongue of the base portion as weight of the curtain and roller falls on lug 23, and thereby hold the bracket more securely in position. In the present instance the slot 20 is extended along the foot portion of the base by cutting away a suitable section of the metal of said part, and the slot 19 is also extended by cutting a portion of this foot free on three sides and bending same, as indicated in Fig. 3, rearwardly to permit extreme adjustment of the bracket and to conveniently form a guard, as 29, which is adapted to prevent the bracket 16 from shifting out of alinement when so adjusted.

To place the fixtures, the base parts are secured to the window frame or sash at the desired elevation and the brackets are then adjusted to cause the lugs 23 to lie at the required separation when the shade is hung in the usual way by placing the stub-axes of its roller in the apertures provided in said lugs. The weight of the roller and shade combined will then fall upon the ends of the brackets and cause the shanks thereof to tilt and insure engagement of the indenture with respective tongues, and the sharp edges 26 will serve to prevent displacement of the brackets when adjusting the shade.

The adjustment of the fixture to accommo-

date curtain-rollers of different lengths without requiring detachment from its support will be readily understood from the foregoing, as it simply involves tilting the shank of the bracket to disengage it from the top edge of slot 20, when it will be free for adjustment to the desired position by sliding it in the sockets or guides of the base the required distance.

This fixture is extremely simple and inexpensive in construction, and its adjustment and adaptabilities can be readily understood, while its use avoids the necessity of shifting the position of the fixtures when it is desirable to hang a new shade of different width to the one for which the fixtures were originally set, thus providing for permanent placement of the fixtures and obviating such mutilation of the window-frame as occurs when ordinary fixtures of this class are repeatedly reset by subsequent tenants in a rented house.

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

1. A fixture of the nature indicated; comprising a substantially L-shaped base formed of plate metal and having a portion at the toe bent inwardly, an aperture in said portion, an aperture at the heel and a tongue at one aperture, a movable bracket formed with a shank slidably fitting in said apertures and having indentures along one edge adapted to engage and disengage said tongue as the bracket is tilted.

2. A fixture of the nature indicated; comprising a substantially L-shaped base formed of plate metal and having an inwardly-projecting portion at the toe, an aperture in said portion and a like aperture at the heel, a movable bracket formed with a shank slidably fitting in said apertures and having indentures adapted to receive the edge of one of said apertures.

3. A fixture of the nature indicated; comprising a substantially L-shaped base formed of pliable plate metal and having an inwardly-projecting portion at the toe, an aperture in said portion comprising a rectangular slot extending into the foot portion, a like aperture at the heel slightly above the opposite aperture and extended into the foot by cutting free a portion of the metal of the foot and bending same back to form a guard, a movable bracket formed with a shank slidably fitting said apertures having indentures along the top edge adapted to receive the top edge of first said slot, a lug at one end having an aperture to receive a stub-axle of a shade-roller and a stop at the opposite end.

4. A fixture, comprising a substantially L-shaped base having an inwardly-projecting portion at the toe, said base having two alined apertures formed in the heel and toe thereof and means to hold a shade slidably mounted in said apertures.

5. A fixture, comprising a substantially L-

shaped base having an inwardly-projecting
portion at the toe, said base having two aligned
apertures formed in the heel and toe thereof
and means to hold a shade slidably mounted
5 in said apertures, and provided with means
upon its upper edge to engage the base and
prevent the holding means from slipping.

Signed at Seattle, Washington, this 11th day
of February, 1902.

DAVID S. DOW.

Witnesses:

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ALEXANDER C. DOW.