

(No Model.)

H. L. JUDD.

SHADE PULL.

No. 300,085.

Patented June 10, 1884.

Fig. 1.

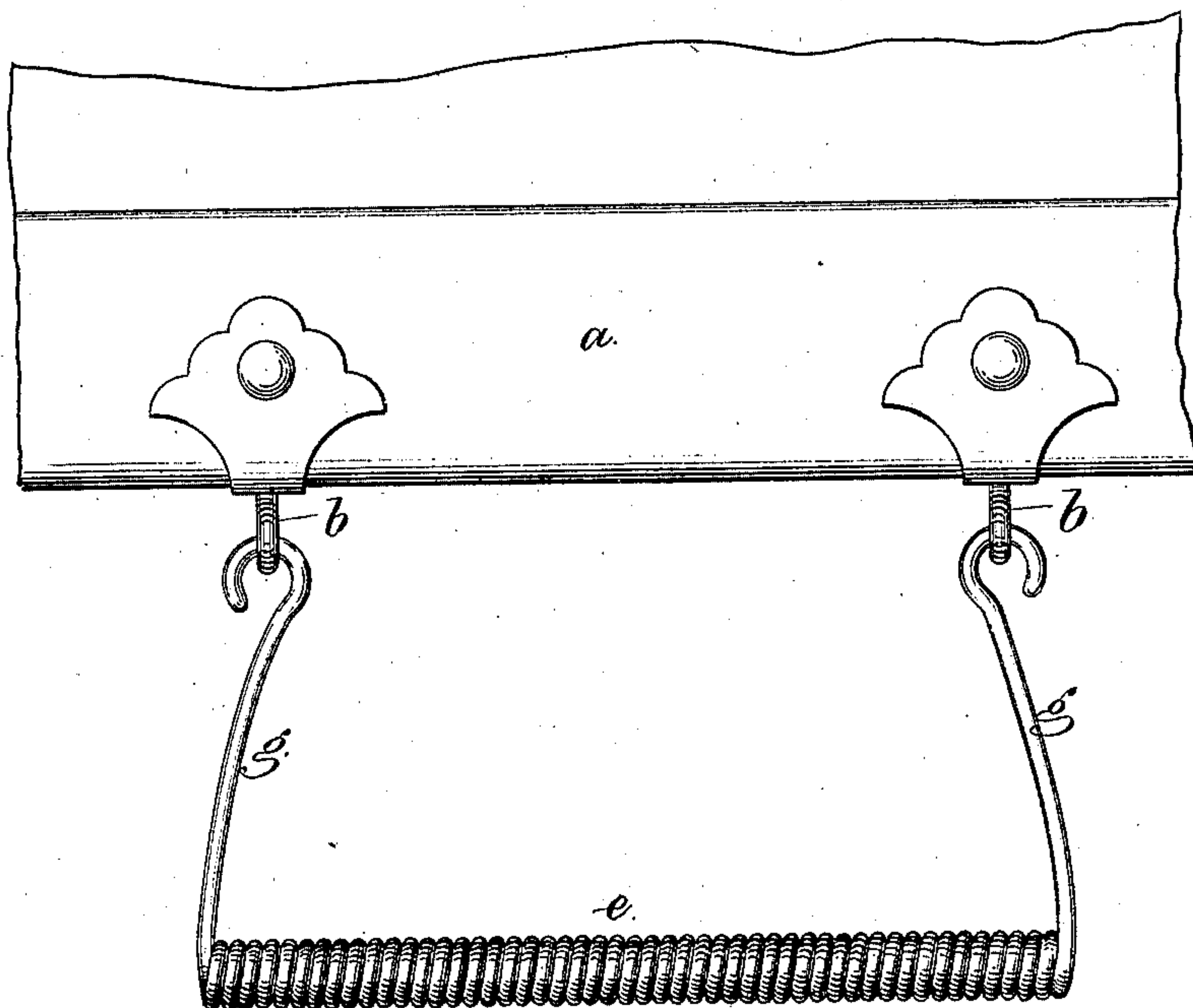
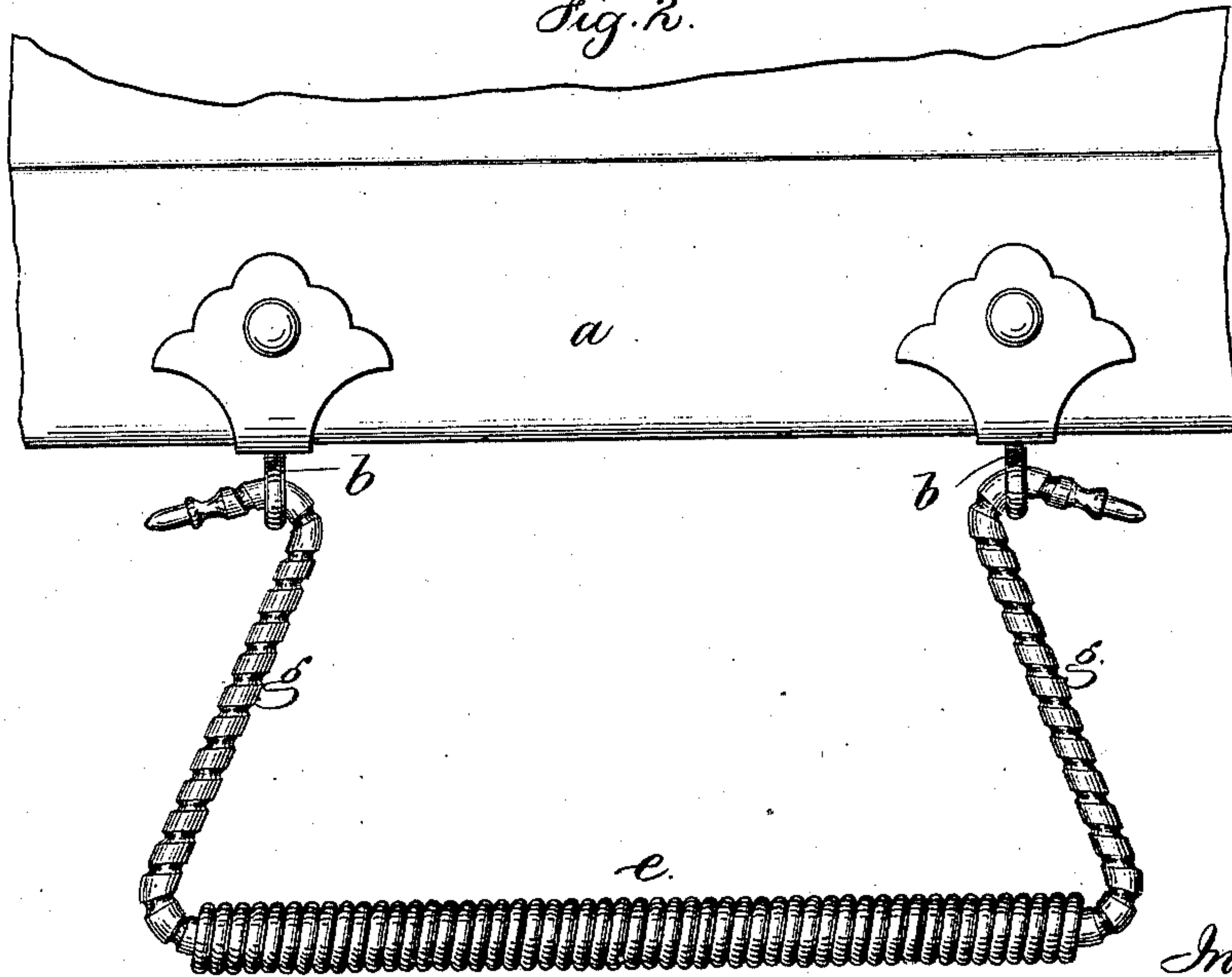


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

HUBERT L. JUDD, OF BROOKLYN, NEW YORK.

SHADE-PULL.

SPECIFICATION forming part of Letters Patent No. 300,085, dated June 10, 1884.

Application filed March 17, 1884. (No model.)

To all whom it may concern:

Be it known that I, HUBERT L. JUDD, of Brooklyn, in the county of Kings and State of New York, have invented an Improvement in Shade-Pulls, of which the following is a specification.

Window-shades have been provided with pulls in the form of rigid bars linked to eyes inserted in the slat at the bottom edge of the window-shade. These cannot be easily removed for cleaning or for changing from one shade to another, and such pulls hanging loosely the links are liable to become twisted or misplaced. My improvement is intended to overcome the aforesaid objections, and to render the shade-pull much more convenient, handsome, and reliable than those heretofore employed.

In the drawings, Figure 1 represents the shade-pull with wire ends, and Fig. 2 is a similar view with heavier ornamental ends.

The window-shade bar *a* receives into it the screw-eyes *b b* or any other suitable eyes—such, for instance, as those shown in my Patent No. 291,197, January 1, 1884.

One of the features of the present invention is to dispense with links between the bar portion and the eyes upon the slat, so that the bar and end pieces will be practically one; and another feature of the present invention is to make the shade-pull as a whole more or less elastic, so that it may yield when grasped and pulled suddenly; hence the parts will not be liable to injury. The body *e* of the shade-pull and the ends *g g* are practically in one, and the upper ends of the parts *g* are adapted to hook into the eyes *b b*. The body *e* and ends *g* have sufficient spring or elasticity to allow the hooked ends of *g* to be sprung into or removed from the eyes *b b* with facility. If the helix composing the body *e* and the ends *g* are all of wire in one piece, the hooked ends of *g* may be hooked into the eyes *b b* with facility in consequence of the spring in the wire ends themselves, in which case the helix

forming the body *e* might be stiffened by an ornamental core of wood or other material thrust through the helix; but when the ends *g* are of comparatively rigid material, as shown in Fig. 2, then the helix itself may spring, as the ends of *g* are moved apart or brought together in hooking or unhooking the same and the eyes *b*. In this Fig. 2 the ends *g* are represented as ornamented. They may be of any shape or ornamentation, and they are connected with the helix *e* by passing into the ends of such helix. They may be connected in any desired manner.

The novel and patentable devices and combinations in this article are my invention.

The following claims summarize the patentable features; but I reserve the right to make in any legal manner claims that may not be presented herein.

I claim as my invention—

1. The combination, with eyes for the shade-slat, of a pull having the body *e* and end portions, *g*, with hooks at the upper ends of the end portions for engaging with the eyes, substantially as set forth.

2. A shade-pull having a body, *e*, and end portions, *g*, terminating as hooks, the pull being elastic, so that the hooks can be sprung into or removed from the suspending-eyes.

3. The shade-pull having end pieces and a body formed of a wire helix, substantially as set forth.

4. The pull having a continuation of the wire helix formed into suspending end pieces, substantially as set forth.

5. A pull having ornamental end pieces, *g*, and a body formed of a wire helix, *e*, substantially as set forth.

Signed by me this 12th day of March, A. D. 1884.

H. L. JUDD.

Witnesses:

GEO. T. PINCKNEY,
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