

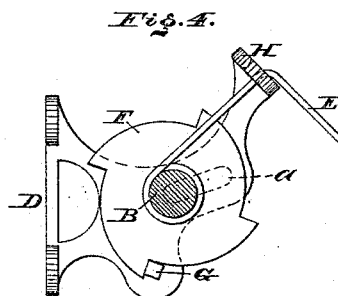
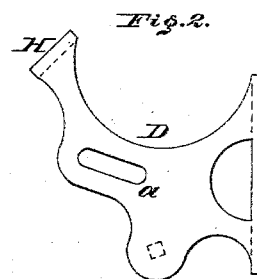
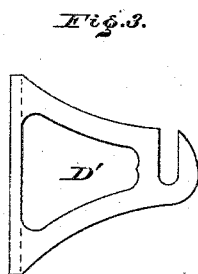
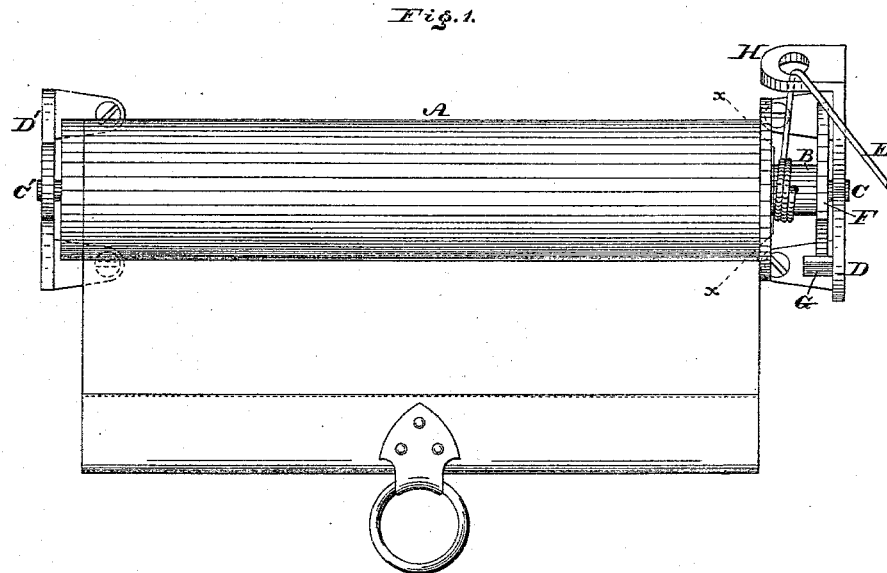
(No Model.)

N. B. GRIFFITH & H. W. B. HERVEY.

SHADE OR CURTAIN FIXTURE.

No. 301,716.

Patented July 8, 1884.



WITNESSES:

*Le. P. Grant,*  
*W. F. Hirsch*

INVENTORS:

*Nathan B. Griffith,*  
*Henry W. B. Hervey.*  
BY *John A. Biedersheim* ATTORNEY.

# UNITED STATES PATENT OFFICE.

NATHAN B. GRIFFITH AND HENRY W. B. HERVEY, OF PHILADELPHIA, PA.,  
ASSIGNORS TO WILLIAM H. WADE, OF SAME PLACE.

## SHADE OR CURTAIN FIXTURE.

SPECIFICATION forming part of Letters Patent No. 301,716, dated July 8, 1884.

Application filed January 26, 1882. (No model.)

*To all whom it may concern:*

Be it known that we, NATHAN B. GRIFFITH and HENRY W. B. HERVEY, both citizens of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Shade or Curtain Fixtures, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a front view of the fixture embodying our invention. Fig. 2 is a view of one of the brackets thereof. Fig. 3 is a view of the other bracket. Fig. 4 is a vertical section in line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts in the several figures.

Our invention consists in providing one of the brackets of shade or curtain fixtures with a diagonal or oblique slot in which the gudgeon of the roller is fitted and plays, and with a stud or lug so disposed that it may be engaged by a ratchet on the roller, the upper corner of the bracket being extended diagonally upward and having an eye, whereby when the roller is moved forward or outward the ratchet is disengaged from the lug, and the shade may then be raised or lowered, after which the roller returns by gravity to its normal position, and the ratchet engages with the lug, thus locking the roller and preventing its rotation, the position of the eye being such that the portion of the cord between the eye and roller extends upward in a diagonal direction, whereby the draft on the cord serves to lift the roller in accordance with the inclined slot in the bracket.

It also consists in forming the eye integral with the bracket for guiding the cord of the fixture.

Referring to the drawings, A represents the roller of a shade or curtain, and B the pulley, C C' the gudgeons, D D' the brackets, and E the cord thereof, the latter being wound on the pulley.

F represents a ratchet which is formed with the pulley B, and constitutes outer wall thereof; or it may be separate therefrom and fixed to the adjacent gudgeon C, or otherwise constructed, and occupies a position within the bracket D.

G represents a stud or lug, which projects inwardly from the inner face of the bracket D, and so located that it may be engaged by the teeth of the ratchet F. The opening or slot *a* in the bracket D for the gudgeon C of the roller is elongated and extends in a diagonal or oblique direction, the lowest point being at the inner end, whereby the roller has a sliding motion on the bracket and is raised and lowered during said motion.

Projecting inwardly from the bracket D is an eye, H, formed integral with said bracket, and through it is passed the cord E of the fixture, the eye being disposed somewhat in front of the gudgeon C, so that when the cord E is pulled it will draw out or forward the adjacent end of the roller.

The operation is as follows: When the roller is at rest, the gudgeon C is at the inner end of the slot *a* and the ratchet F engaged with the lug G, whereby the roller is locked and prevented from rotation. When the shade is to be raised or lowered, the cord E is pulled downward from below the eye, so as to be pulled upward between the eye and pulley, whereby the end of the roller is drawn forward and upward to the extent of the slot *a*, thus releasing the ratchet from the lug. By continuing to pull the cord the shade will be wound on the roller, or raised, or by allowing the cord to play out the shade will unwind or lower. In either case, when the shade has reached the required location, the cord is let go and the roller immediately slides backward by gravity due to the diagonal slot *a*, in which the gudgeon D is fitted, whereby the ratchet and lug interlock and the roller is again held and prevented from rotation.

The bracket D' may be of ordinary construction, or constructed similar to the bracket D with a diagonal slot and lug, in which case two pulleys, ratchets, and cords are required; but this is not desirable.

It will be seen that the fixture has but few parts, and is simple, inexpensive, durable, not liable to get out of order, easily applied, operated, and removed, and is serviceable.

We are aware that a bracket has been formed with a diagonal slot, and has secured to it at the lower corner an eye for the guidance

of the cord; but the draft of the cord between the eye and roller is downward, while the action of the slot is upward, thus increasing the friction between the pintle of the roller and wall of the slot, and the eye, being secured at one end to the bracket, is, owing to its limited support, liable to be broken, these things being remedied by our construction.

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

The gravitating roller and cord, in combination with the bracket having a diagonal slot, *a*, a stud, *G*, and an eye, *H*, the latter being formed integral with the bracket at the upper corner thereof, substantially as and for the purpose set forth.

NATHAN B. GRIFFITH.  
H. W. B. HERVEY.

Witnesses:

JOHN A. WIEDERSHEIM,  
A. P. GRANT.