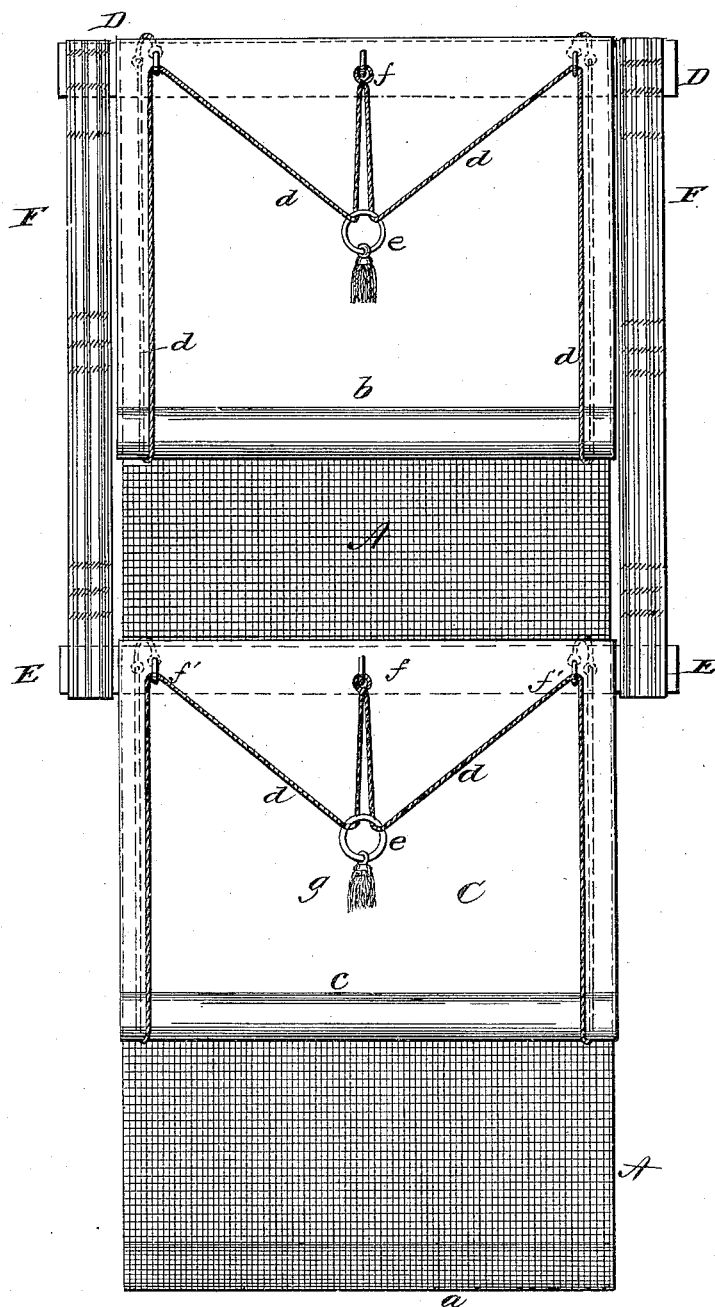


(No Model.)

C. DARLAND.  
WINDOW CURTAIN.

No. 341,998.

Patented May 18, 1886.



WITNESSES

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# UNITED STATES PATENT OFFICE.

CHARLES DARLAND, OF DRYDEN, MICHIGAN.

## WINDOW-CURTAIN.

SPECIFICATION forming part of Letters Patent No. 341,998, dated May 18, 1886.

Application filed January 23, 1886. Serial No. 189,516. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES DARLAND, a citizen of the United States, residing at Dryden, in the county of Lapeer, State of Michigan, have invented certain new and useful Improvements in Window-Curtains and Mosquito-Bars Combined, of which the following is a specification, reference being had therein to the accompanying drawing.

My invention relates to improvements in curtain-fixtures; and my object is to produce a structure that will answer the double purpose of shades and nets for windows, so that with curtains and mosquito-bar thus combined into one fixture the windows may be kept open, and light be shut out or let in without admitting into the room flies, mosquitoes, and other pests of summer heat.

To this end my invention consists in affixing a mosquito-bar to the main slat that supports the curtains, and in the construction of both shades and nets, as will be more fully understood.

The figure is a front view of my device, showing the double window-shades and mosquito-bar when in combined use and operation.

A is a mosquito-bar of any convenient shape, size, or material, kept taut by the weight of the roller *a*, and tacked or conveniently attached to the main supporting-slat of the curtain-fixture.

B and C are the two upward-rolling shades, their lower ends being wound round the respective rollers *b* and *c*, and their upper ends firmly secured to the respective slats D and E.

F represents a pair of ordinary double straps, that are passed round the slats D and E, just spoken of, and serve to support the lower shade, C.

The raising and working of the shades or curtains is effected by means of a pair of ordinary curtain-cords to each shade, the pulley

arrangement of the cords being as follows: Attached by one end to the ring-screw *f* in the center of the supporting-slat, each cord is passed through the loose ring *e*, then carried right or left through the ring-screw *f'*, whence it runs down in front of the shade to the end roller, being looped around the latter, and extending in rear of shade up and around the top slat of the same, when it is finally fastened to the ring-screw *f'*, already mentioned. The loose or free ring *e* carries the ring-tassel *g*, in the body of which lies hidden and ensconced a leaden weight, by means of which latter the shade is balanced, and is kept in the position to which it has been raised for the purpose of light or ventilation.

Having now fully described my invention, what I desire to claim and to secure by Letters Patent is—

1. The combination, with double window-shades suspended from a common support, of a weighted free mosquito-bar affixed at its upper end to said support and hanging behind curtains, the shades and net forming one device, for the purpose set forth.

2. In a curtain-fixture, the weighted mosquito-bar A, suspended from slat D, in combination with the window-shades B and C, the former attached to said slat D and the latter to slat D by straps F, each shade being operated independently by cords and pulleys, said cords being secured to the centerscrew-ring, *f*, on the supporting-slats, thence passed through the screw-rings *f'*, being looped around the roller at the lower end of the shade, and finally secured to the supporting-slat of the shade, as described and shown.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES DARLAND.

Witnesses:

LEM THIERRY,  
JACOB SCHLICHTER.