

R. G. & L. B. DENNETT.
WINDOW SCREEN.

No. 66,005.

Patented June 25, 1867.

Fig. 1.

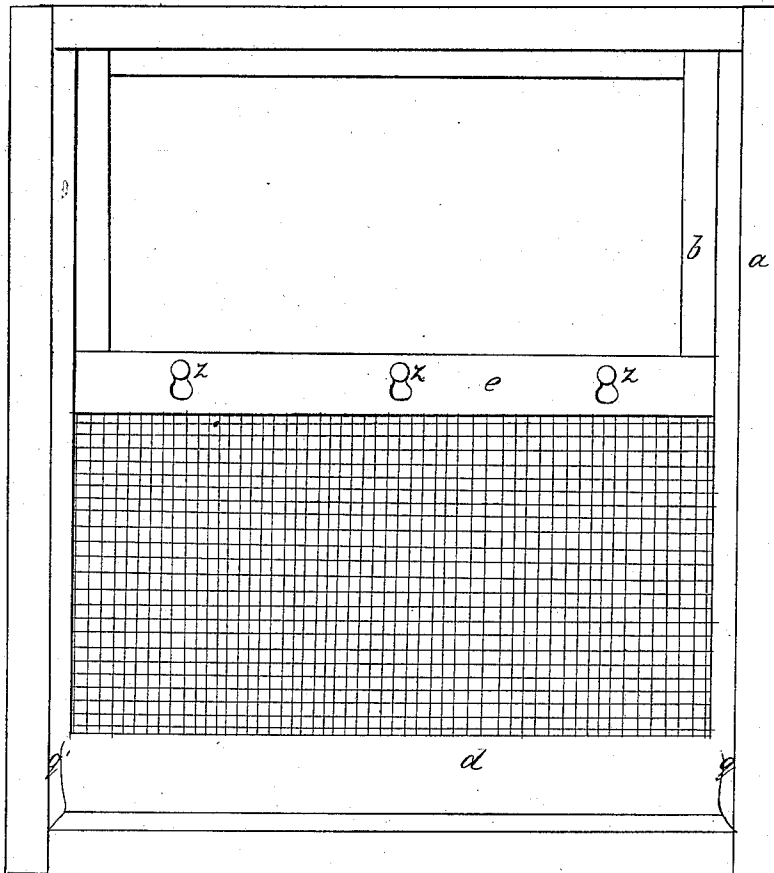
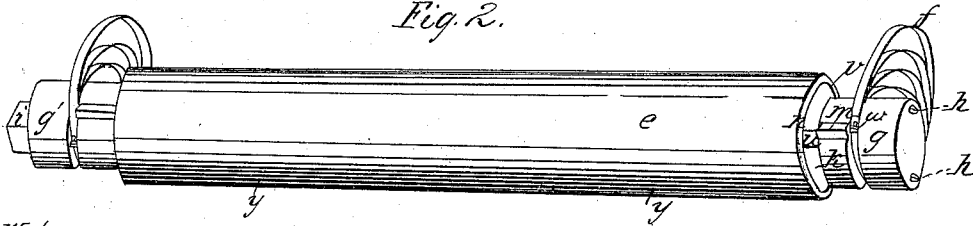


Fig. 2.



Witnesses;
J. H. Patterson
Attorney

Inventor;
Rosa G. Dennett
Liberty B. Dennett

United States Patent Office.

ROSCOE G. DENNETT, OF SACO, AND LIBERTY B. DENNETT, OF PORTLAND.
MAINE.

Letters Patent No. 66,005, dated June 25, 1867.

IMPROVED WINDOW-SCREEN.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that we, ROSCOE G. DENNETT, of Saco, in the county of York, and State of Maine, and LIBERTY B. DENNETT, of Portland, county of Cumberland, in said State of Maine, have invented a new and improved Window-Screen fixture for the purpose of excluding flies and mosquitoes when the window is open; and we do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings in which—

Figure 1 is a perspective view, and

Figure 2 a view of a section.

a, fig. 1, represents the window-frame; *b* the sash; *c* the appliance by which the screen is fastened to the sash by means of the buttons *z z z*, and *d* the covering to the roller upon which the screen is wound in shutting the window, and from which it is unwound in opening the window. *e*, fig. 2, represents the roller, *f* the metallic spring; *g*, a stationary cylinder which is fastened to the window-facing *q* by means of the small pins *h h*, or the square tenon *i*, which is to be inserted into the facing *q'* to prevent the stationary cylinder *g* from turning. *k* is another cylinder fastened to the roller *e*, by the cog *m*, which is inserted into the groove *n*. *u* is the pin or axle upon which the cylinder *k* revolves as the window opens or shuts. The metallic spring *f* is coiled around the pin *u*, between the cylinders *k* and *g*, which keeps the spring always in place. One end of the spring is fastened to the pin *u*, and the other to the cylinder *k* by the pin *w*. The spring is wound up, and the cylinders *k* and *g* inserted into the cavity *v* in the end of the roller *e*, and is attached to or withdrawn from the facings *q q'* through the mortises *y* in the roller.

The construction of the spring and accompanying cylinders, pin, cog, groove, &c., to be used in the opposite end of the roller, is precisely the same as the one described above, excepting only that the cylinder *i* has a square head, deemed necessary to obtain greater strength of attachment to the facing *q'*. When the roller has been attached either at the bottom or top of the window the spring is wound up by turning the roller, and the screen is attached to the roller and sash and is ready for operation. In opening the window the screen follows, and in shutting it is wound up by the spring.

The advantages of the fixture are that the spring, and operating parts connected therewith, being inserted entirely within the roller so that the screen may come in contact with the window-facing, thus entirely excluding flies and mosquitoes, it is self-adjusting, that the window may be opened more or less at pleasure, that it may be put on or taken off without difficulty, and can be manufactured at a very trifling expense.

Claim.

What we claim, and desire to secure by Letters Patent, is—

The combination of the cylinder *g*, pin *u*, and pins *h h*, or their equivalent *i*, cavity *v*, spring *f*, rotary cylinder *k*, cog *m*, groove *n*, pin *w*, and mortise *y*, when constructed and operating in the manner and for the purposes specified.

ROSCOE G. DENNETT,
LIBERTY B. DENNETT.

Witnesses:

C. BONNEY,

FRANK G. PATTERSON.