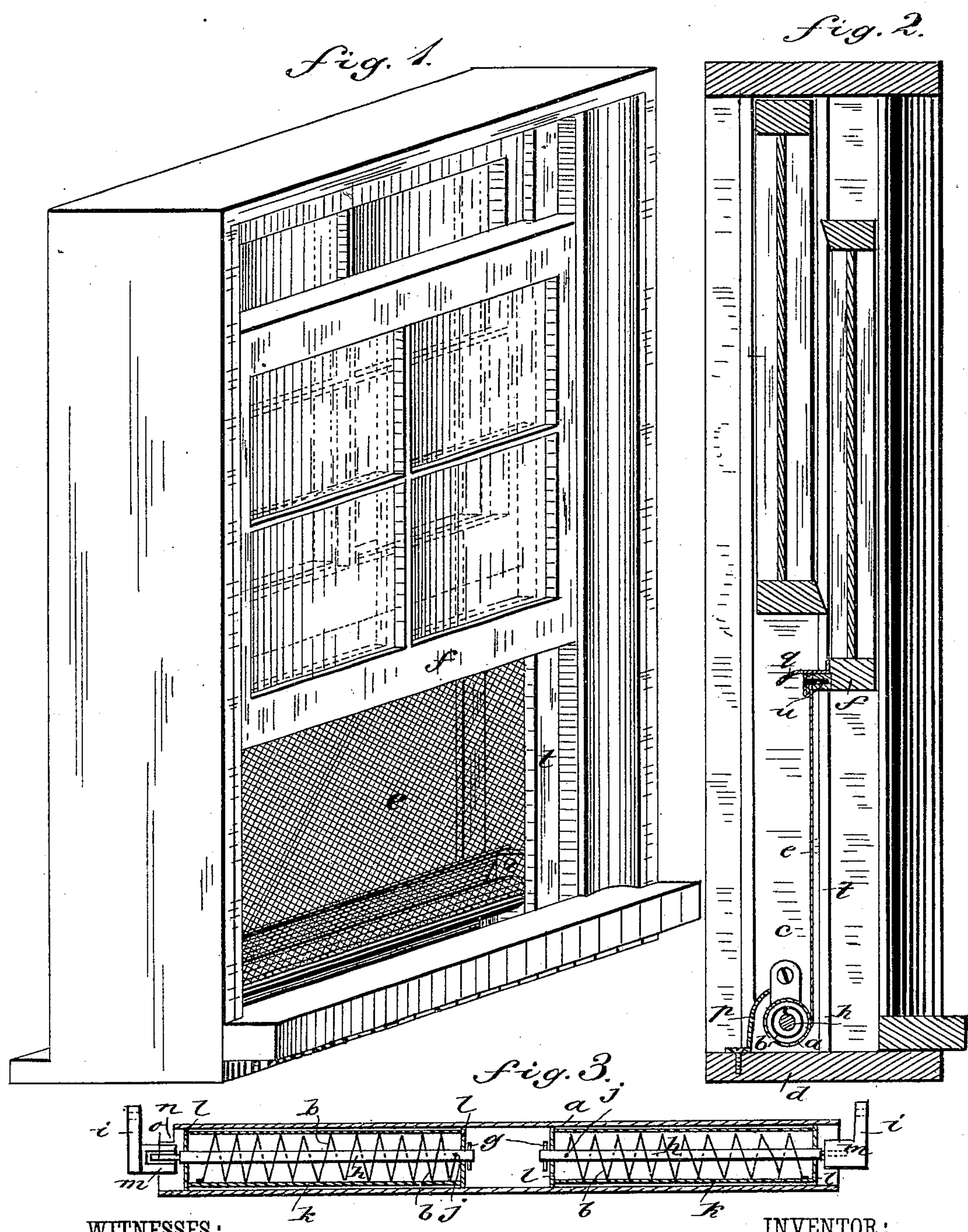


(No Model.)

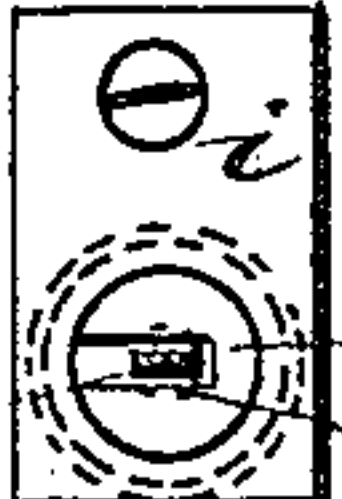
R. J. PARRETT.
WINDOW SCREEN.

No. 270,469.

Patented Jan. 9, 1883.



WITNESSES:
Otto Beyer
L. Blodwich

Fig. 4


INVENTOR:
R. J. Parrett
BY *Mum & Co*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

RICHARD J. PARRETT, OF PORTLAND, INDIANA.

WINDOW-SCREEN.

SPECIFICATION forming part of Letters Patent No. 270,469, dated January 9, 1883.

Application filed August 4, 1882. (No model.)

To all whom it may concern:

Be it known that I, RICHARD J. PARRETT, of Portland, in the county of Jay and State of Indiana, have invented a new and Improved Window-Screen, of which the following is a full, clear, and exact description.

This invention relates to an improvement in window-screens; and it consists in the combination and arrangement of parts, substantially as hereinafter more fully set forth.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of the inside of a window with my improved screen attachment. Fig. 2 is a sectional elevation of the window. Fig. 3 is a longitudinal section of the roller, and Fig. 4 is a front elevation of one of the brackets for attaching the roller.

I fix a tin or other roller, *a*, having a suitable torsion spring or springs, *b*, in the window-frame, between the jambs *c* and over the sill *d*, outside of the lower sash and under the upper one, with a wire or other screen, *e*, attached to and coiled on it, and also attached to the bottom rail, *f*, of the lower sash, so that when the sash is raised it will unroll the screen and stretch it along the space opened by raising the sash with the edges in contact with the stop-rails *t*, thus protecting the window while open as well as if the screen were permanently fixed, and when the sash is shut down the spring coils the screen on the roller, where it is stowed, so that the window is as if no screen were attached, so far as its uses are concerned. I may also attach a screen to the upper sash in like manner, to be stretched when the sash is pulled down.

The roller consists of the outside case, *a*, to which the screen is attached, and two shorter inside tubes, *k*, each containing a shaft, *h*, and a torsion-spring, *b*. The springs are attached at one end to the tubes *k* and at the other ends to the shafts *h*, said shafts passing through

the inner ends of the tubes and secured by a pin *g*. The covers *l* of the outer ends of tubes *b* are fitted on the shafts loosely until the outer tube, *a*, is cut to the right length for the window to which it is to be applied. Then tubes *k* are inserted, with heads *l* about half an inch inside of the ends of *a*, when said heads *l* are soldered fast to *a*, which makes the roller complete, except that one end of said tube is to be notched at *n* for passing the socket *m* when putting the roller in its bearings in brackets *i* attached to the jambs *c*; and the socket is also slotted at *o* for entering the end of the shaft. The sockets are of angular form, and the ends of the shaft correspondingly shaped to resist the torsion of the springs. When the roller is put in place it is turned a few times with the screen before the latter is attached to the sash to put the springs in tension. A piece, *u*, is attached to the sash for extending outside of the stop-rails *t* to receive the screen.

Outside of the roller is a plate, *p*, forming part of an inclosing case, which, together with another plate, *q*, attached to the rail *f*, completely incloses the roller when the sash is down to protect it from the weather and conceal it from view.

This screen attachment is to be so applied that it can be removed readily when not required for use.

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

1. The roller *a*, having notch *n* in one end, in combination with bracket *i*, having slotted socket *m*, shafts *h*, and springs *b*, substantially as described.

2. In a window-screen, the combination of the screen *e*, attached to the lower sash, *f*, the roller *a*, having notch *n* in one end, the brackets *i*, having slotted socket *m*, shafts *h*, and springs *b*, substantially as described.

RICHARD JEFFERSON PARRETT.

Witnesses:

JESSE J. M. LAFOLLETTE,
EMERSON H. ADDINGTON.