R. B. Varden,

Lock Hinge.

No. 3,903. Patented Feb. 18, 1845.

Fig. 3

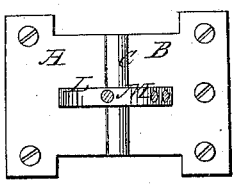

Fig. 1

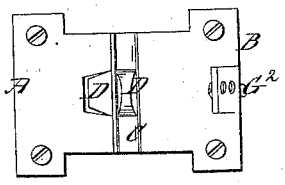

Fig. 4

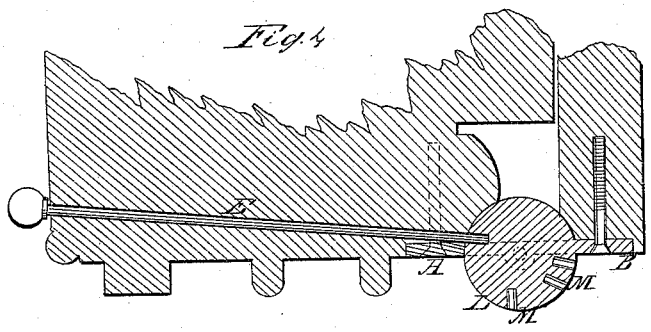

Fig. 2

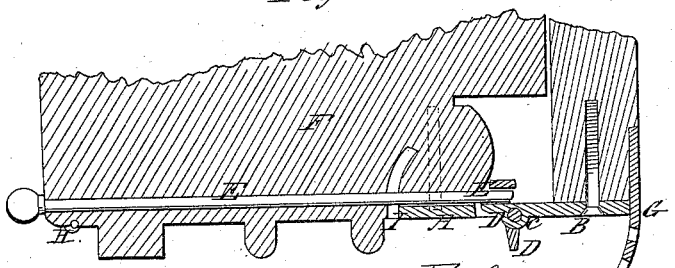

Fig. 6

Fig. 5

AM. PHOTO-LITHO. CO. N.Y. (OSBORNE'S PROCESS)

UNITED STATES PATENT OFFICE.

ROBERT B. VARDEN, OF BALTIMORE, MARYLAND.

HINGE FOR FASTENING BLINDS, SHUTTERS, AND DOORS.

Specification of Letters Patent No. 3,903, dated February 12, 1845.

To all whom it may concern:

Be it known that I, ROBERT B. VARDEN, of Baltimore, in the State of Maryland, have invented certain new and useful improvements in the construction of hinges for doors and window-blinds, by which they can be secured when closed in the window-frame or door-frame and also when opened back against the wall or when opened at any angle required, which is described as follows, reference being had to the annexed drawings of the same, making part of this specification, of which—

Figure 1 is a front elevation of a hinge constructed with wings. Fig. 2 is a horizontal section of ditto through the center and through the bolt that secures the same and through the window frame. Fig. 3 is a front elevation of a hinge having a circular plate with radial apertures. Fig. 4 is a horizontal section of ditto. Fig. 5 is the spring catch. Fig. 6 is a section of the wings and bolt in a position as closed in the frame.

The female half A and the male half B of the hinge are made in the usual or most approved manner, except in the particulars hereafter described. For instance to the knuckle C of the male half of the hinge, (which is generally screwed to the window blind) there are cast radial wings D behind and against which a horizontal bolt E is brought for holding the shutter in an open or closed position—said bolt passing through the window-frame F from the inside of the room—the groove in the female part of the hinge being made larger than is usual in order to provide space for said wings to revolve therein. When the shutter is opened back against the wall the bolt will pass behind one of the wings D as represented at E in Fig. 2. And when the shutter is closed into the window frame the bolt E will be inserted against the other wing D as shown at E in Fig. 6 in which case a safety spring hook H, Figs. 2 and 5 fastened to the frame or molding inside must be let into the bolt to prevent its being forced back by an attempt to open the shutter or blind, and said spring catch, however, may be dispensed with by fastening a perforated segment plate of iron G into the blind, which, when the blind is closed will pass into a slot I in the frame behind the female half A of the hinge in the line of the bolt E, which, when inserted, will pass through said plate and effectually secure the blind in its closed position.

Instead of having a separate segment plate as aforesaid there may be cast on the outer edge of the male half of the hinge a segment perforated flange G^2 through which the bolt will pass when the blind is closed. Or instead of the tongue of the male half of the hinge being cast with the aforesaid radial wings it may be cast as a circular horizontal plate L perforated through the center on a line with the knuckles for the vertical pin that connects the parts and perforated around the periphery with apertures M approximating to the center of the said plate into which the horizontal bolt E will be inserted from the inside of the room for holding the blind at any angle required.

The blind may be held in the position required by making a male screw on the end of the bolt and screwing it into a female screw made in a plate fastened on the inside or outside of the blind in any position desired.

What I claim as my invention and desire to secure by Letters Patent is—

The arrangement of the bolt or pin E in combination with the wings D, and perforated segments G G^2 and plate L on one half of the hings, or on the shutter, by which means the shutter or blind can be fastened and held in any position corresponding with the holes or wings as described.

R. B. VARDEN.

Witnesses:

GEO. PETERS, Sen.,

JOHN STEWART.