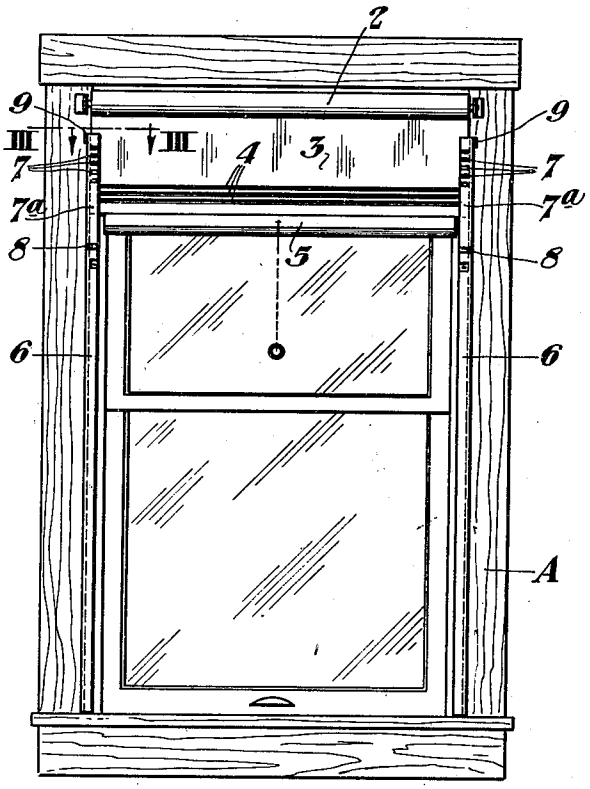
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STEEL BLIND AND GUIDING MEANS THEREFOR

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Fig. 1.



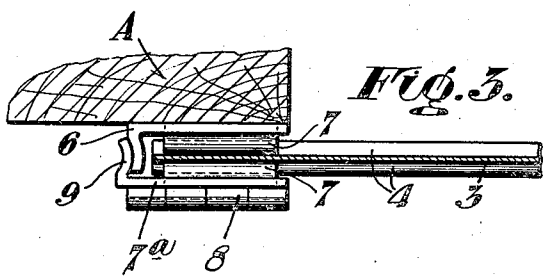


Fig. 3.

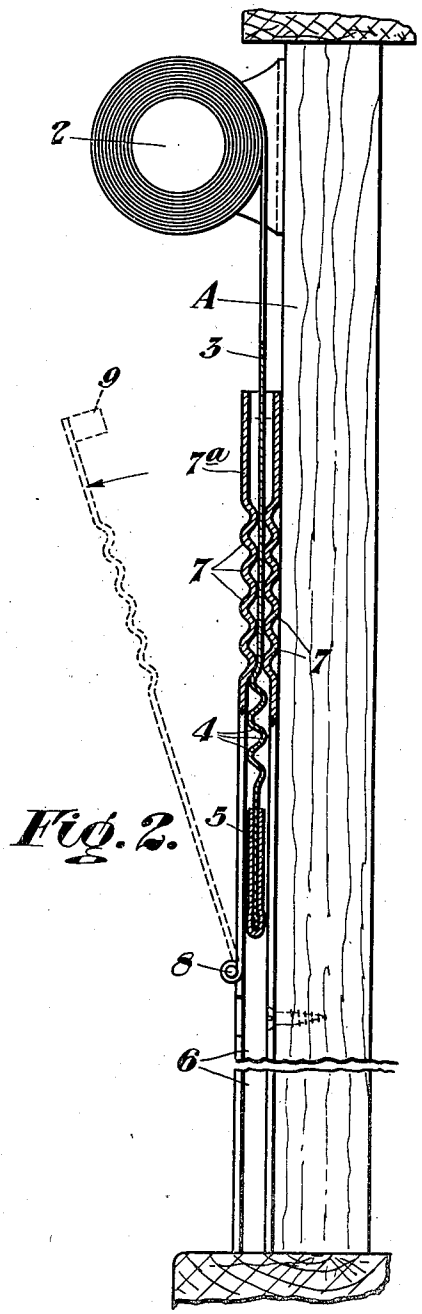


Fig. 2.

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Fig. 4.

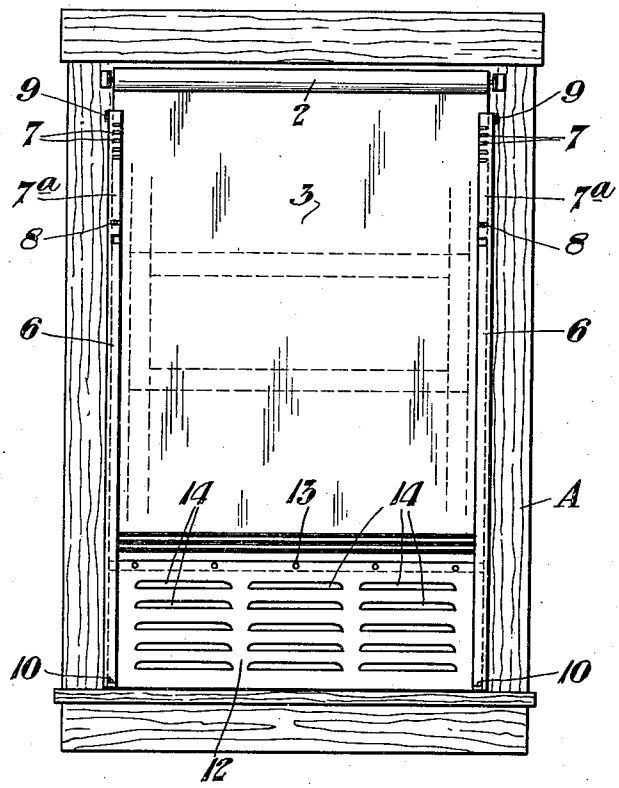


Fig. 5.

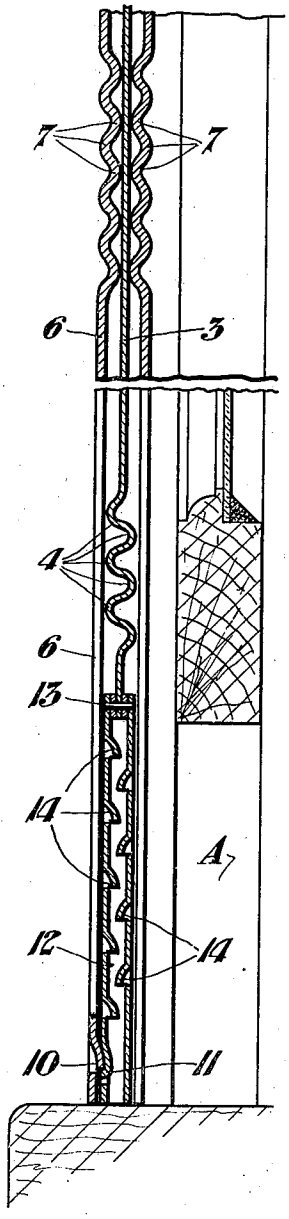
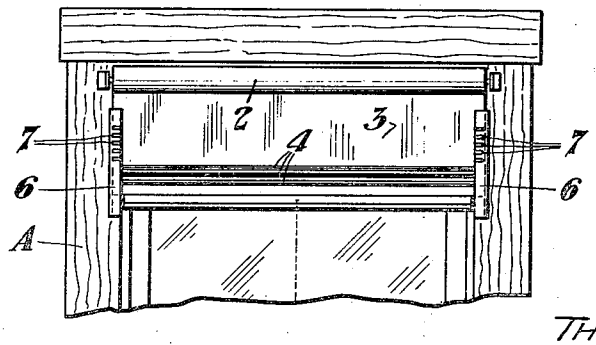


Fig. 6.



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Patented June 1, 1937

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UNITED STATES PATENT OFFICE

2,082,405

STEEL BLIND AND GUIDING MEANS THEREFOR

Thomas Lloyd, East Pittsburgh, and Paul W. Sylvander, McKeesport, Pa.

Application May 20, 1936, Serial No. 80,828

2 Claims. (Cl. 156—10)

The present invention provides certain improvements in steel blinds and guide members therefor.

With these and other advantages which will be apparent as the description proceeds,

Figure 1 is a front elevation of the steel blind and guiding means therefor.

Figure 2 is a side elevation, partly in section, of the guide and blind.

Figure 3 is a section on line III—III of Figure 1.

Figure 4 is a front elevation of another form of the present invention.

Figure 5 is a side elevation, partly in section, showing the ventilating chamber secured to the blind, and

Figure 6 is a front elevation of a modified form of guiding structure.

In the drawings A represents a window frame, 2 being a spring roller suitably positioned thereon, on which is rolled the steel blind 3 provided at its lower extremity with a corrugated portion 4 with the free end inserted within a steel binder 5.

Secured on each side of the window frame is a U-shaped guide member 6 having the extreme upper portions thereof provided with a restricted passage adapted to prevent the upward movement of the steel blind 3. This restricted passage is formed by providing one or more abutting corrugated portions 7. The inner portion of the guides are provided with a section 7a hingedly connected at 8 and provided with a clip fastener 9 engaging the main portion of the guides 6.

In another form of the present invention, these U-shaped guide members, in addition to having the abutting corrugated portions, are provided at their lower extremities with an indented portion 10 contacting an out-struck portion 11 on a ventilator 12 which is secured at 13 to the free end of the blind 3. This ventilator may be provided with louvres 14 to permit passage of air therethrough.

Under the present construction, there is provided a flexible steel blind construction which may be readily inserted in the guide members 6 by releasing the hinged portion thereof to permit the blind and ventilator, if desired, to slide therein. The abutting portions 7 formed on the guide members 6 cooperate with the corrugated portion on the lower extremity of the blind 3 to stop or prevent the upward movement of the blind should the same be suddenly released through failure of the pawls on the spring roller to operate.

If desired, the U-shaped guide members 6 may not extend the entire length of the window frame but may be in short lengths secured to the upper portion of the frame structure and being provided with the abutting corrugated portions, affects the same stopping action of the blind as the full length guide members.

While we have shown and described specific embodiments of our invention, it will be understood that we do not wish to be limited exactly thereto, since various other modifications may be made without departing from the scope of our invention, as defined by the following claims.

We claim:

1. A curtain blind comprising a spring roller, a thin metal blind member mounted on said roller having corrugations formed on one end thereof and guiding means for said blind member, said guiding means provided with a restricted passage adapted to cooperate with said corrugations to limit the upward movement of said metal blind.

2. In a steel blind including a ventilator, corrugations formed on said blind, guiding means for said blind and ventilator provided with a restricted passage adapted to cooperate with said corrugations on said blind to limit the upward movement of said blind and ventilator, and means on said guiding means adapted to engage said ventilator and hold said ventilator in position.

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