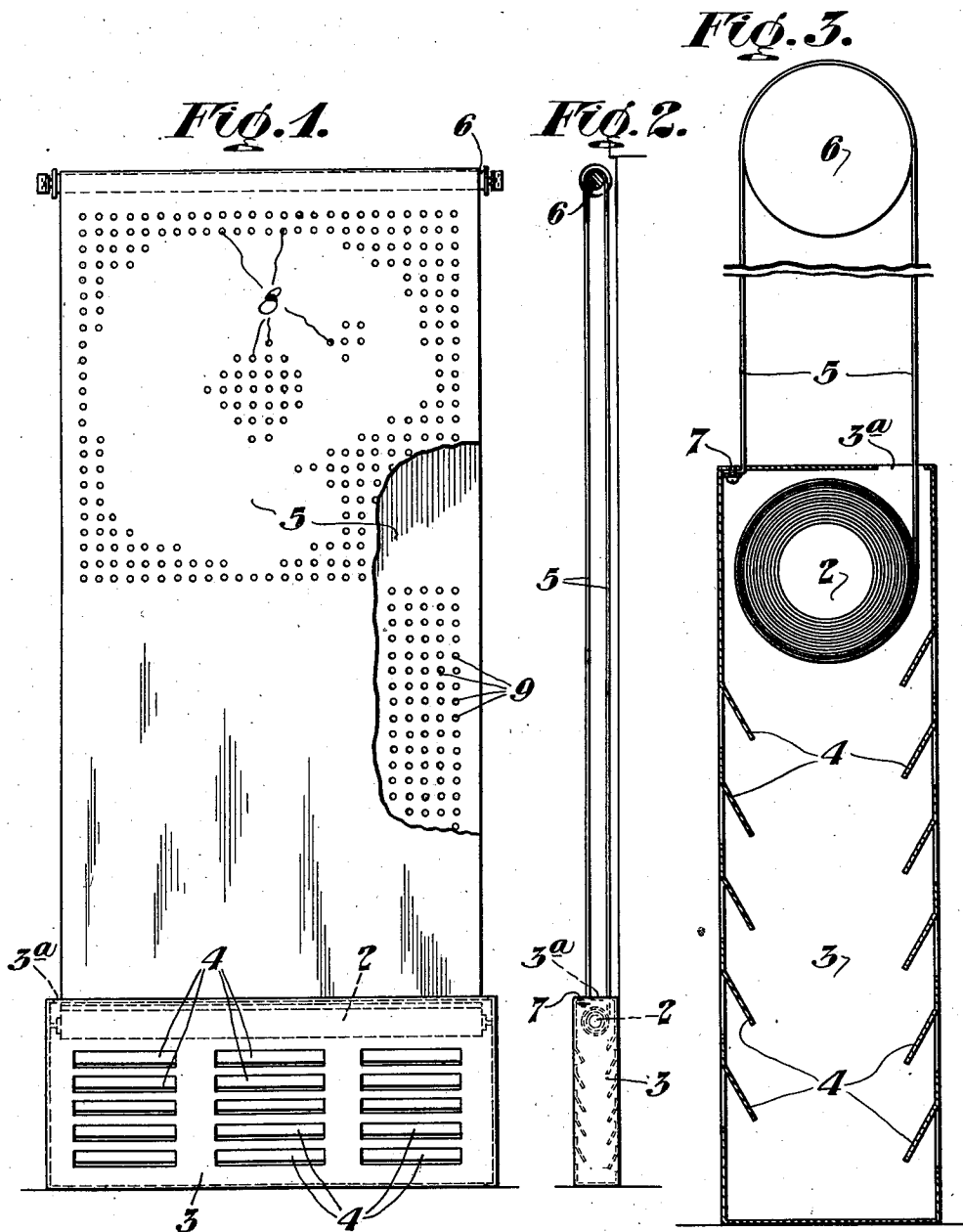


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STEEL VENTILATING DOUBLE BLIND

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STEEL VENTILATING DOUBLE BLIND

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3 Claims. (Cl. 98—88)

The present invention relates to a steel ventilating double blind construction including an upper supporting means for the double blind in the form of an idler roller and a spring roller, which carries the blind, concealed in and movable with a ventilating box or chamber which is provided with means for attaching the inner blind portion to the ventilating chamber.

An object of the present invention resides in providing small perforations, of various designs, in the blind at spaced areas to permit circulation of air between the inner and outer portion thereof when the window sash is opened.

Other objects and advantages will become apparent as the novel features of this invention are more fully hereinafter described.

Figure 1 is a front elevation showing the double blind and ventilating chamber and supporting means,

Figure 2 is a side elevation, and

Figure 3 is a detailed section of the ventilating chamber showing the spring roller and attaching means for the free end of the blind.

In the drawing, 2 represents a steel spring roller suitably secured and positioned within a steel ventilating box or chamber 3. The ventilating box or chamber 3 is provided, on opposite sides, with louvers or stamped out portions 4 projecting inwardly and downwardly within said chamber 3.

An opening 3a is provided in the upper portion of the chamber 3 to permit the flexible steel blind 5 to pass upwardly therethrough and over an idler roller 6 secured to the upper frame of the window for supporting the blind and ventilating structure.

The free end of the blind 5 after passing over the idler roller 6 is secured, as shown at 7, in any suitable manner, to the ventilating chamber 3. The blind may be provided, at suitably determined spaced intervals or over its entire surface, if desired, by perforations of various designs, shown for illustration as at 8 and 9. This will permit the entrance of air through the blind when the window sash is opened. Circulation of air will also be obtained at the sides of the blinds.

When the blind 5 is withdrawn from the ventilating chamber 3 and passed over the idler roller 6 and secured to the hinged lid of the ventilating box, the entire assembly is supported by the idler roller 6. When the ventilating chamber 3 is raised, the blind 5 will automati-

cally roll upon the spring roller 2 within the ventilating chamber 3. When the blind is drawn, with the ventilating chamber resting on the window sill, the perforations 8 and 9 will permit passage of air between the inner and outer blind and into the room when the window is opened.

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

We claim:

1. A ventilating steel double blind comprising a ventilating chamber, a spring roller secured within said ventilating chamber, a thin flexible sheet steel blind secured to said roller, said steel blind adapted to project upwardly from said roller and through said ventilating chamber, an idler roller adapted to support said thin flexible sheet steel blind and ventilating chamber, and means adapted to secure one end of said blind to said ventilating chamber, said flexible sheet steel blind being provided with perforations at alternate positions to permit the entrance of air therethrough.

2. A flexible ventilating blind construction comprising a ventilating chamber, a spring roller supported within and movable with said ventilating chamber, a flexible perforated steel blind carried by said spring roller, an idler roller adapted to support said steel blind and ventilating chamber and means adapted to secure one end of said steel blind to said ventilating chamber whereby said steel blind is wound and unwound on said spring roller upon vertical movement of said ventilating chamber.

3. A ventilating steel double blind construction comprising a ventilating chamber, a flexible ventilated steel blind and supporting means therefor, said supporting means comprising an idler roller, a spring roller concealed in and movable with said ventilating chamber, said flexible ventilated steel blind secured to said spring roller and adapted to extend upwardly through said ventilating chamber and over said idler roller to provide inner and outer blind portions, and means for securing the end of said flexible steel ventilated blind to said ventilating chamber to provide an air passage between said inner and outer blind portions.

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