

Dec. 1, 1931.

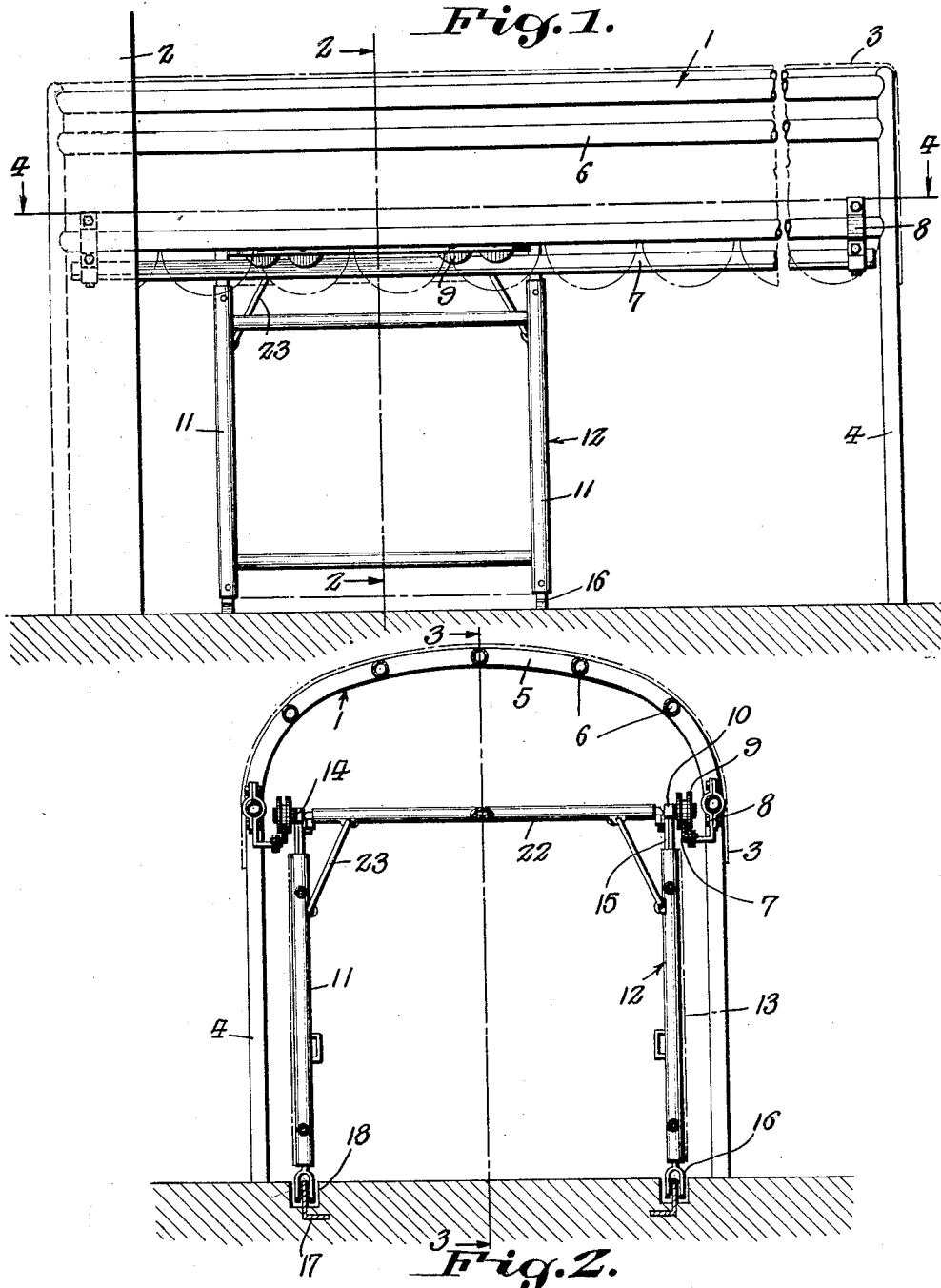
E. MOURCEAU

1,834,796

SLIDING CURTAIN FOR CANOPIES

Filed Feb. 28, 1931

3 Sheets-Sheet 1



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Fig. 3.

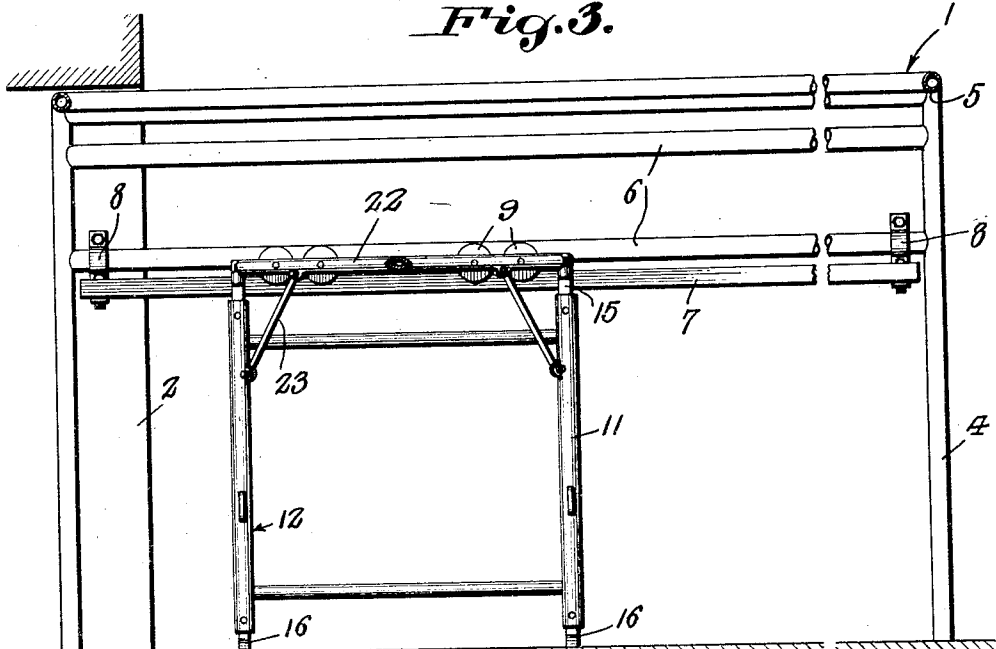
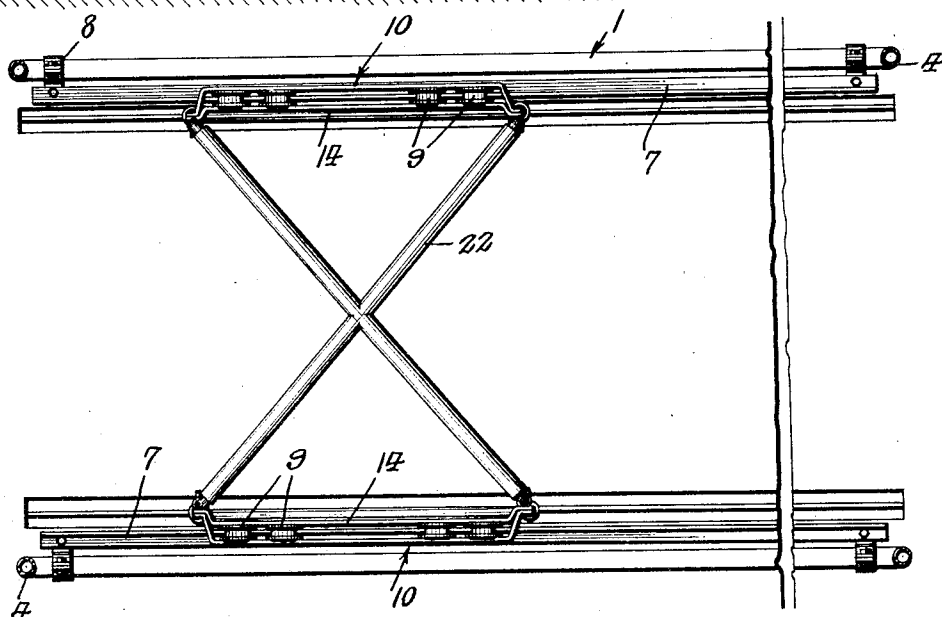


Fig. 4.

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Fig. 5.

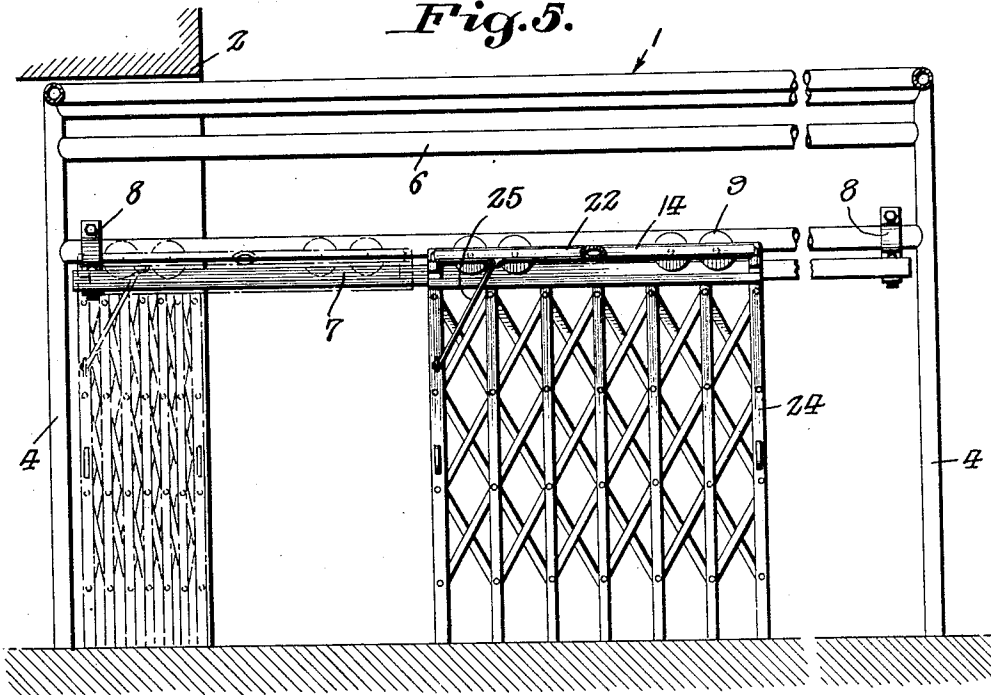


Fig. 7.

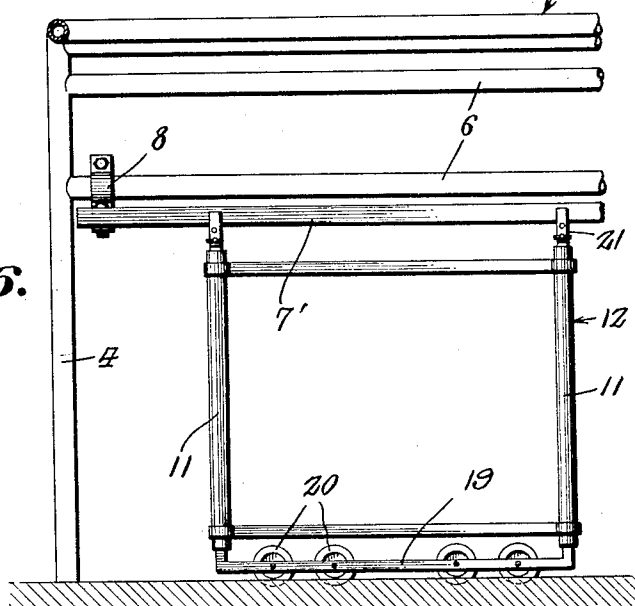
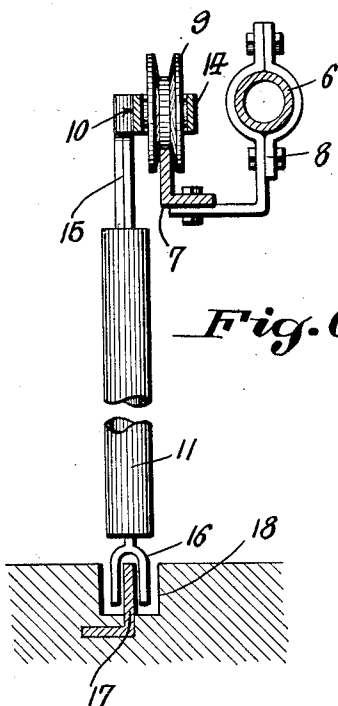


Fig. 6.



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UNITED STATES PATENT OFFICE

EMIL MOURCEAU, OF NEW YORK, N. Y.

SLIDING CURTAIN FOR CANOPIES

Application filed February 28, 1931. Serial No. 519,210.

This invention relates to curtains for canopies employed on sidewalks between buildings and the curb and has for the primary object, the provision of a device of the above stated character which may be conveniently moved by the doorman along each side of the canopy as persons pass from one end of the canopy to the other end thereof for the purpose of protecting them from the weather elements when traversing the sidewalk either to or from an automobile and the doorway of a building.

Another object of this invention is the provision of a novel mounting for the curtain that they may be moved in either direction with the least amount of effort on the part of the doorman.

A further object of this invention is the provision of means whereby the curtain may be collapsed when not in use so as not to interfere with pedestrian traffic over the sidewalk and under the canopy.

A still further object of this invention is the provision of a sliding curtain for canopies of the above stated character which will be simple, durable and efficient and which may be manufactured and sold at a comparatively low cost.

With these and other objects in view, as will become more apparent as the description proceeds, this invention consists in certain novel features of construction, combination and arrangement of parts to be hereinafter more fully described and claimed.

For a complete understanding of my invention, reference is to be had to the following description and accompanying drawings, in which

Figure 1 is a side elevation illustrating a sliding curtain for canopies and constructed in accordance with my invention.

Figure 2 is a transverse sectional view taken on the line 2—2 of Figure 1.

Figure 3 is a sectional view taken on the line 3—3 of Figure 2.

Figure 4 is a sectional view taken on the line 4—4 of Figure 1.

Figure 5 is a longitudinal sectional view illustrating a modified form of my invention.

Figure 6 is an enlarged detail sectional

view illustrating the mounting of the curtain to the canopy frame.

Figure 7 is a detail sectional view illustrating another modified form of my invention or means of mounting the curtain to the canopy frame.

Referring in detail to the drawings, the numeral 1 indicates a canopy frame adapted to extend from a doorway 2 of a building to the curb of a sidewalk and has the usual canopy covering 3 mounted thereon for the purpose of protecting persons traversing the sidewalk between the building and the curb from weather elements. The frame 1 is supported by the vertical legs 4 secured in any suitable manner to the sidewalk and which are connected at their upper ends by integrally curved members 5 and the latter are connected by spaced bars 6. The foregoing description relates to a well known construction of canopy to which my invention is applied for the purpose of protecting persons while walking under the canopy from weather elements striking them from the sides of the canopy.

Tracks 7 constructed of angle iron are secured to the lowermost bars 6 at each side of the frame 1 by detachable brackets 8. The tracks 7 are supported inwardly of the sides of the frame by the brackets 8 and have mounted thereon grooved wheels 9 journaled to auxiliary frames 10 secured to the upper ends of side members 11 of curtain frames 12. The curtain frames 12 are of rectangular shape and closed by a suitable covering 13 for the purpose of shielding persons while walking from one end of the canopy to the other end. Each of the auxiliary frames 10 includes spaced members 14 between which are journaled the grooved wheels 9 and have their ends angularly disposed and secured together to form shanks or extensions 15 carried by the upper ends of the end members 11 of the frames 12.

The lower ends of the side members 11 of the frames 12 carry fork members 16 adapted to straddle guides 17 embedded in grooves 18 of the side walk for the purpose of preventing the lower edges of the curtains from sagging during the movement of the curtain from

one end to the other under the influence of the doorman. The guides 17 are constructed of angle iron as clearly shown in Figure 6. It is to be understood that the doorman moves the curtains along the sides of the canopy and opposite the persons walking thereunder when traversing the canopy from one end to the other to protect them from weather elements.

Referring to my modified form of invention as shown in Figure 7, the lower ends of the end members of the curtain frames 12 have auxiliary frames 19 secured thereto and which are similar in construction to the frames 14 and carry grooved wheels 20 adapted to travel upon tracks on the sidewalk while the upper ends of the end members 11 are equipped with fork shaped members 21 to engage or straddle the tracks 7' of the canopy frame 1.

Diagonally extending braces 22 are connected to the upper ends of the curtain frames so that pressure applied to one of the curtain frames will cause the simultaneous movement of the other frame. Suitable braces 23 may be attached to the braces 22 and the curtain frames as shown in Figures 1 and 2 of the official drawings.

Referring to my modified form of invention as shown in Figure 5 the curtain frames 24 are of the collapsible type, that is, the end members thereof may be moved toward each other for folding the frames into a compact arrangement that the curtain frames may be positioned inwardly of the building line as shown in Figure 5 when not in use. It is to be understood that the braces 25 as well as the braces 22 are disconnected from the frames 24 when collapsed.

From the foregoing description taken in connection with the accompanying drawings, it will be noted that a very practical and conveniently operated curtain arrangement has been provided for sidewalk canopies whereby the doorman may conveniently protect persons traversing the sidewalk from the building to the curb or from the curb to the building against weather elements by simply sliding the curtain along the canopy frame as the persons progress thereunder. It will be noted that when the device is not protecting persons traversing the sidewalk, pedestrian traffic over the sidewalk and under the canopy will not be interfered with.

While I have shown and described the preferred embodiment of my invention, it will be understood that minor changes in construction, combination and arrangement of parts may be made without departing from the spirit and scope of my invention as claimed.

Having thus described my invention, what I claim is:

1. An attachment for sidewalk canopies comprising a curtain positioned at the side

of a canopy frame and extending from the sidewalk to the lower edge of the canopy, and means for slidably mounting the curtain to the canopy frame to permit the doorman to move the curtain along the canopy frame and beside a person passing under the canopy from one end to the opposite end.

2. In combination with a canopy frame and a canopy covering therefor, curtains extending from the lower edges of the frame to the ground, means slidably mounting the curtains on the frame, and means for connecting the curtains for movement in unison when pressure is applied to one of the curtains in a direction from one end of the canopy frame to the other end.

3. In combination with a canopy frame, tracks secured to the frame, curtain frames slidably mounted on the tracks, means for guiding the lower edges of the frames, curtain coverings for the curtain frames, and means connecting the curtain frames for movement in unison.

4. In combination with a canopy and a frame therefor, tracks secured to said frame, grooved wheels on said tracks, curtain frames supported by said wheels, and curtain coverings for the curtain frames.

5. In combination with a canopy and a supporting frame therefor mounted transversely of a sidewalk between a curb and a building, tracks secured to the frame, curtain frames slidably mounted on the tracks, curtain coverings for the curtain frames, guide elements carried by the sidewalk, and means slidably connecting the curtain frames with the guide elements.

6. In combination with a canopy and a supporting frame therefor, curtain frames slidably mounted on the supporting frame, curtain coverings for the curtain frames, guide elements mounted in the sidewalk below the supporting frame, and fork shaped members carried by the curtain frames and engaging the guide members.

7. In combination with a canopy and a supporting structure therefor, collapsible curtain frames slidably mounted on the supporting frames, coverings for said curtain frames, and detachable bracing means between the curtain frames.

In testimony whereof I affix my signature.
EMIL MOURCEAU.