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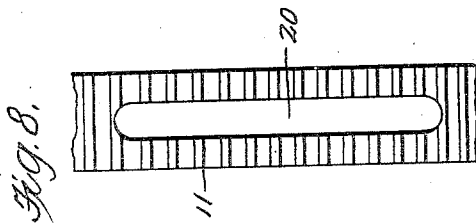
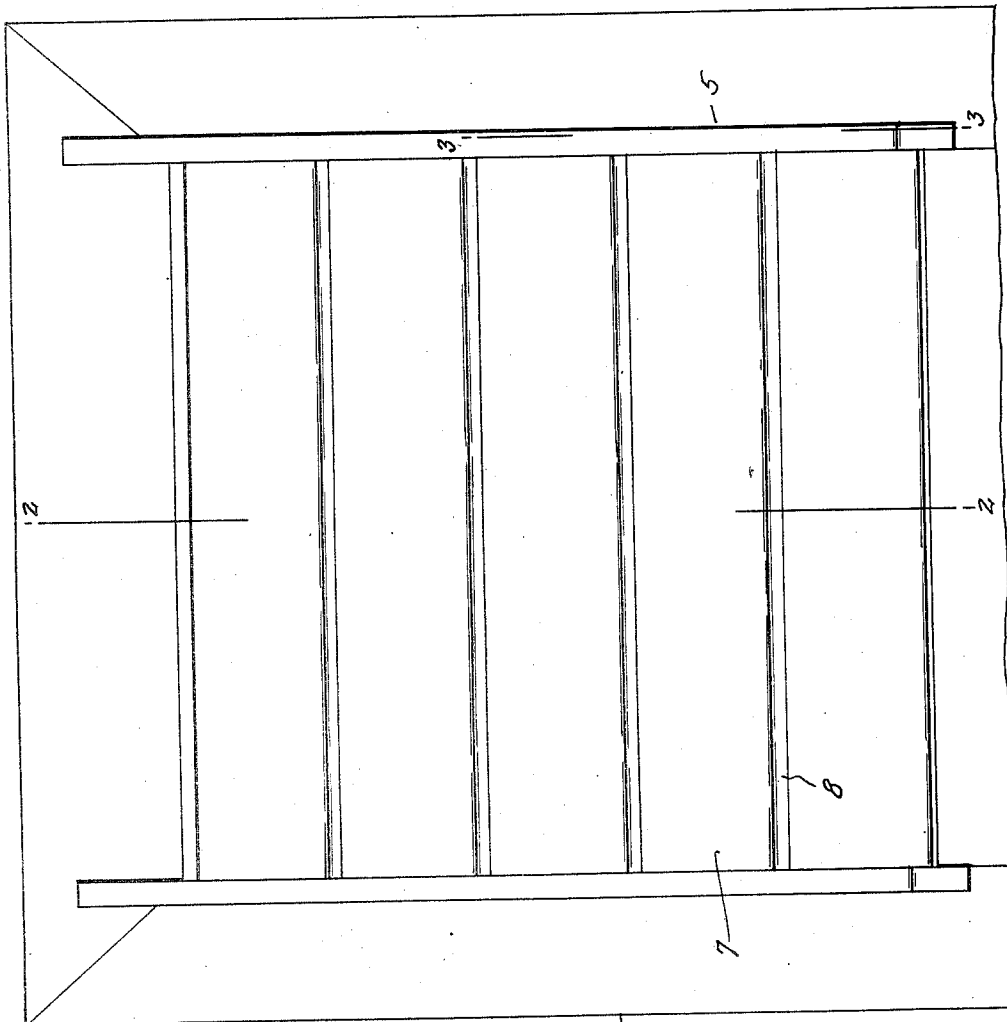
S. S. STALEY, JR

2,070,144

AWNING

Filed Feb. 6, 1936

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W

Fig. 1.

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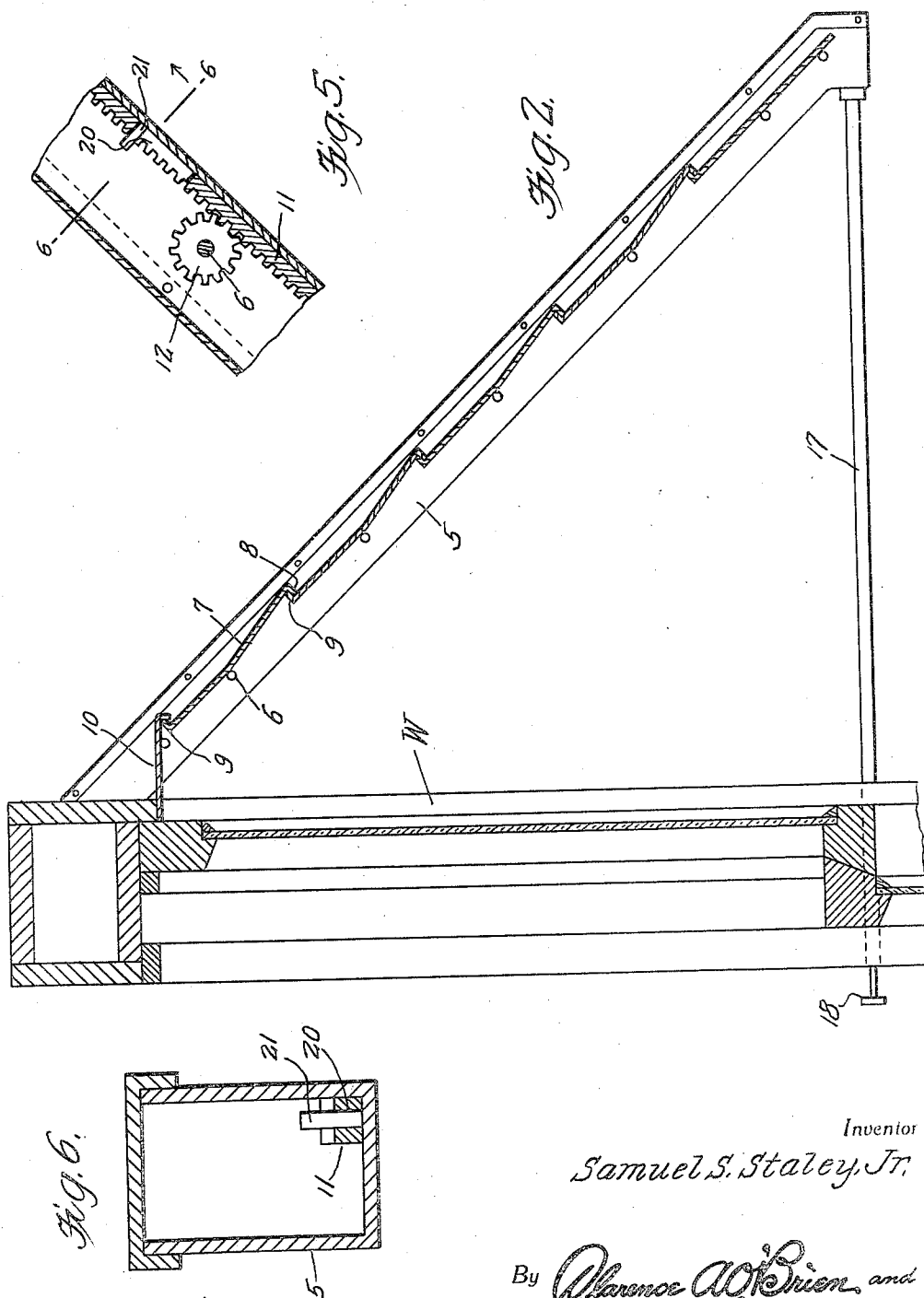
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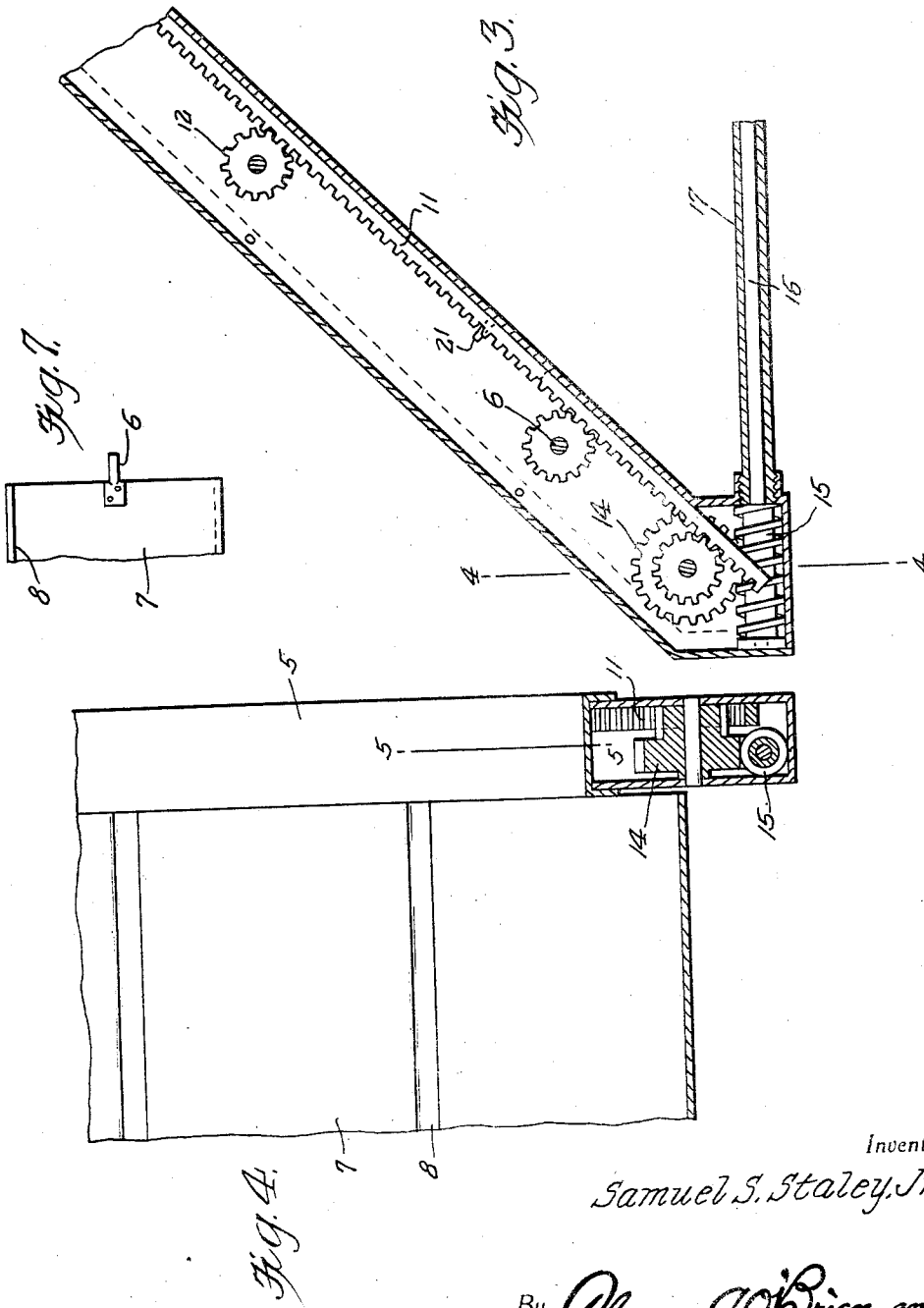
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UNITED STATES PATENT OFFICE

2,070,144

AWNING

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Application February 6, 1936, Serial No. 62,672

5 Claims. (Cl. 156—17)

This invention relates to an awning for windows and like openings in buildings, houses and the like, and the object of the invention resides in the provision of a permanent awning having adjustable slats, with means cooperable therewith whereby the slats may be easily and readily adjusted.

A further important object of the invention resides in the provision of a permanent awning of this nature which is simple in its construction, inexpensive to manufacture, easy to install, thoroughly efficient and reliable in use and operation, and otherwise well adapted to the purpose for which it is desired.

With the above and numerous other objects in view, as will appear as the description proceeds, the invention consists in certain novel features of construction, and in the combination and arrangement of parts as will be hereinafter more fully described and claimed.

In the drawings:

Figure 1 is a front elevation of a window frame, the lower portion thereof being broken away, showing my awning structure mounted thereon.

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

Figure 3 is a detail section taken substantially on the line 3—3 of Figure 1.

Figure 4 is a detail section taken substantially on the line 4—4 of Figure 3.

Figure 5 is a detail section taken substantially on the line 5—5 of Figure 4.

Figure 6 is a detail section taken substantially on the line 6—6 of Figure 5.

Figure 7 is a plan view showing one end of one of the slats.

Figure 8 is a fragmentary view showing a portion of the rack bar.

Referring to the drawings in detail, it will be seen that the numeral 5 denotes a pair of spaced parallel co-extensive frame members which incline downwardly from the upper portion of a window frame W, and outwardly. These frame members are hollow. Journaled across the frame members is a plurality of shafts 6 secured to the median longitudinal portions of slats 7, having on their longitudinal edges flanges 8 and 9 projecting in opposite directions from each other for interlocking engagement, as illustrated to advantage in Figure 2. Numeral 10 denotes fixed slats, horizontally disposed across the upper ends of the frame member 5.

In one of the frame members 5 there is slidably mounted a rack bar 11 meshing with rack gears 12 on the ends of shafts 6. The lowermost

rack gear 12 has incorporated therewith a worm gear 14 meshing with the worm 15 on a shaft 16. This shaft extends through the window casing and has on its terminal a knob or the like 18 interiorly of the building. A sleeve housing 17 for the shaft projects from the lower end of the frame member and extends to the inner end of the window casing. This housing embraces both the shaft and the frame member. Obviously, by turning this knob or handle 18, the slats may be adjusted as may be desired, to a closed, open or partially opened position. The rack bar 11 is formed intermediate its ends with a slot 20 and a stop pin 21 rises from the bottom of said last mentioned side member through the slot 20 to limit the movement of the rack bar.

It is thought that the construction, operation, utility and advantages of this invention will now be quite apparent to those skilled in this art without a more detailed description thereof.

The present embodiment of the invention has been described in considerable detail merely for the purposes of exemplification, since in actual practice it attains the features of advantage enumerated as desirable in the statement of the invention and the above description.

It will be apparent that changes in the details of construction, and in the combination and arrangement of parts may be resorted to without departing from the spirit or scope of the invention as hereinafter claimed or sacrificing any of its advantages.

Having thus described my invention, what I claim as new is:—

1. An awning structure of the class described including, in combination, a pair of inclined frame members disposed in spaced parallel co-extensive relationship and one of the members being hollow, shafts journaled between the members and extending into said hollow member, rack gears severally on the ends of the shafts in the hollow member, a rack slidable in the hollow member meshing with the gears, and a slat on each of said shafts.

2. An awning structure of the class described including, in combination, a pair of inclined frame members disposed in spaced parallel co-extensive relationship and one of the members being hollow, shafts journaled between the members and extending into said hollow member, rack gears severally on the ends of the shafts in the hollow member, a rack slidable in the hollow member meshing with the gears, a slat on each of said shafts, said slats having

on their longitudinal edges oppositely disposed and directed flanges.

3. An awning structure of the class described including, in combination, a pair of inclined frame members disposed in spaced parallel co-extensive relationship and one of the members being hollow, shafts journaled between the members and extending into said hollow member, rack gears severally on the ends of the shafts in the hollow member, a rack slidable in the hollow member meshing with the gears, a slat on each of said shafts, one of the rack gears having incorporated therein a worm gear, a worm meshing therewith, and a shaft extending from the worm.

4. An awning structure of the class described including, in combination, a pair of inclined frame members disposed in spaced parallel co-extensive relationship and one of the members being hollow, shafts journaled between the members and extending into said hollow member, rack gears severally on the ends of the shafts in the

hollow member, a rack slidable in the hollow member meshing with the gears, a slat on each of said shafts, one of the rack gears having incorporated therein a worm gear, a worm meshing therewith, a shaft extending from the worm through a sleeve and terminating in an operating element.

5. An awning structure of the class described including, in combination, a pair of inclined frame members disposed in spaced parallel co-extensive relationship and one of the members being hollow, shafts journaled between the members and extending into said hollow member, rack gears severally on the ends of the shafts in the hollow member, a rack slidable in the hollow member meshing with the gears, a slat on each of said shafts, the rack being provided with a longitudinal slot, and a pin rising from said hollow frame member through the slot to limit the movement of the rack.

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