Sept. 9, 1941. E. D. BARRINGER 2,255,307

WEATHER STRIP GAUGE

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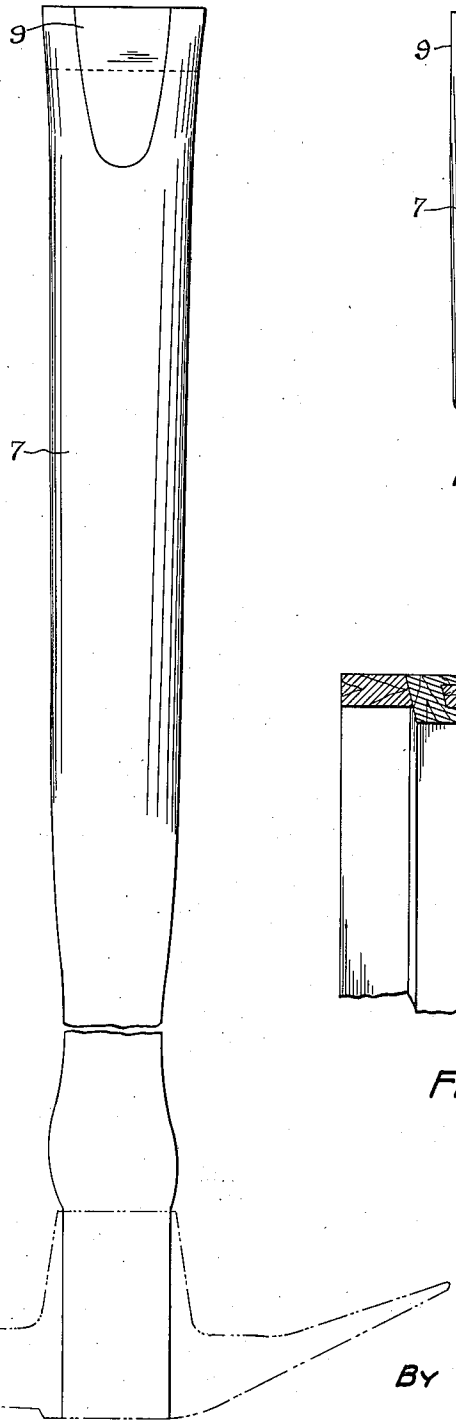


FIG. 1

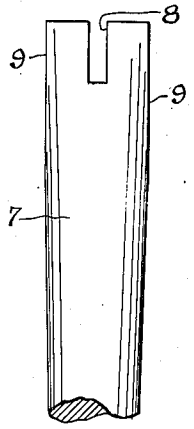


FIG. 2

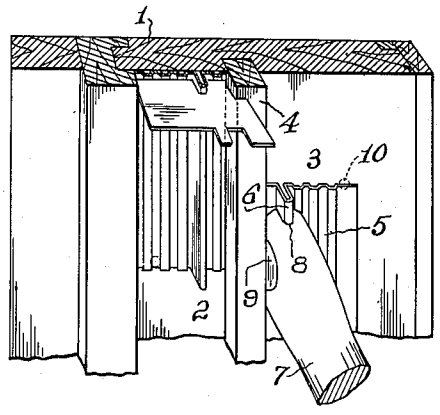


FIG. 3

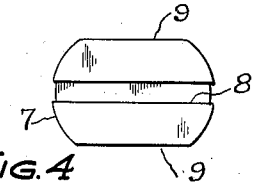


FIG. 4

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WEATHER-STRIP GAUGE

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3 Claims. (Cl. 33—180)

It is well known that common types of metal weatherstrips for cooperation with the sash thereof comprise a metal strip plate having an offstanding rib. When such plates are applied to the frame, the rib of the weatherstrip or plate projects therefrom and enters a slot formed in the edge of the particular sash with which it cooperates.

It is further well known weatherstrip installation practice to mount weatherstrips, particularly strips to be used at the sides and lower edge of a lower sash for instance, so that the inner edge of the strip is caused to enter a kerf formed in the parting strip, this mode of installation affording extra sealing precautions.

Since the emplacement of the weatherstrip on the frame with its rib properly and accurately disposed to enable the ash receiving the rib to slide freely relative thereto and to the strip, requires a nicety of adjustment especially in regard to strips having their inner edges embedded in a kerf, some gauge means should preferably be employed in the installation work. Unless the strip with its rib is accurately positioned so that the rib is in line with the sash slot, binding of the window and rib in the sliding of the sash will result and likewise this binding may take place at the bottom of the sash due to the failure of the rib to freely and accurately enter the slot of the sash as the sash is closed down.

It also may be stated that in these installations, the strip is tacked or nailed in position for the preventing of displacement.

The primary object of the present invention has been to provide a handy gauge means for determining with accuracy the proper locating of rib strips on windows preliminary to nailing the same in position, the invention dealing especially with the problems of locating strips of the type above referred to, but being susceptible of broader application as gauge means in conjunction with weatherstrips generally as regards their mounting upon window frames, and in conjunction with doors or the like.

In the carrying out of the invention, I have used a hammer handle as the gauge means, the said handle being shaped accurately at one end to provide a gauge slot, and accurately faced at opposite sides to provide gauge contact surfaces, either of which is adapted to abut with the parting strip of the window frame and when so abutted will establish the location of the gauge slot so that if the rib of the weatherstrip is caused to enter said slot, the strip will be accurately and precisely positioned in the place where it should be nailed. Thereupon, the strip having been thus positioned by the gauge means of the hammer handle, the strip is held in place and the hammer is reversed to use the hammer head for nailing the strip thus properly located.

A preferred embodiment of my invention is illustrated in the accompanying drawing, in which

Figure 1 is a side elevation of a hammer handle equipped with the invention, the head of the hammer being illustrated in dotted lines.

Figure 2 is a fragmentary view of the gauge end of the handle showing the gauge member more clearly.

Figure 3 is a perspective view showing the gauge of the handle as when being used to perform its gauge function in conjunction with a rib strip being applied to a window frame in proper relation to the parting strip, dotted lines showing the fastening nail to be emplaced after the proper gauging of the strip location.

Figure 4 is an end view of the gauge end of the handle.

Describing the invention and the mode of operation thereof, referring particularly to Figure 1 of the drawing, in this figure there is illustrated the window frame 1 of a conventional construction utilizing the outer runway 2 and the inner runway 3 for the inner sash, not shown. The customary parting strip 4 is employed and mounted in the frame in the usual way. At 5 is illustrated the rib strip constituting a metal weatherstrip unit mounted in the lower runway for the inner sash of the window. The weatherstrip is shown as it has been positioned preliminarily with its inner edge caused to enter a kerf on the inner face of the parting strip 4, and about ready to be nailed in the location for the accurate entering of its rib 6 into the slot of the sash which is to be mounted in the lower runway 3 of the frame.

The gauge means employed as indicated before comprises the handle 7 of an ordinary hammer or a typical hammer such as used by weatherstrip installation workmen. This handle 7 is provided on its free end with a gauge slot 8 which is preferably centrally located on said end since by so doing gauge contact surfaces or flats 9 at opposite sides of the end of the handle may be formed for the purpose of gauge utility.

In the formation of the handle gauge means aforesaid, the slot 8 and the flats 9 are milled with the highest degree of accuracy in relation to the distance at which the rib 6 is to be posi-

tioned, so far as the distance of its spacing from the parting strip 4 is concerned.

Obviously, as illustrated in Figure 1, the weatherstrip 5 may be adjusted to the frame of the window as shown and then by using the gauge handle 7 positioned near the upper end of the strip, this end may be located with complete accuracy in regard to the parting strip 4 for the positioning of the rib 6 spaced from the side of said strip. Thereupon, the gauge handle 7 will be removed from cooperation with the strip 5 and the installer will use the hammer head of the hammer for nailing the strip at its upper end by means of the nail 10. In similar manner, when the above operation has been performed, the handle 7 may be reversed for use as a gauge again at the lower end of the strip 5, and when the weatherstrip is accurately located in relation to the parting strip 4 the hammer handle will be reversed and the lower nail driven in position into the frame for holding the strip 5 now completely accurately located.

With the foregoing mode of installation in mind, it will be apparent that if the kerf in the parting strip 4 into which the inner edge of the weatherstrip 5 enters is slightly too deep, such will be immaterial for effective and accurate installation because the position of the rib 6 of the strip 5 will be definitely and precisely determined as regards its relation to the parting strip 4 irrespective of the depth of said kerf.

My invention affords a very simple article of manufacture in respect to the hammer handle construction 7, and since the gauge means is combined with said handle, the invention affords marked utility owing to the convenience of employing the handle 7 both as a gauge and a means for manipulating the hammer head by which the nails of the weatherstrip are driven into the frame f for fastening purposes.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent of the United States is

1. As a new article of manufacture, a weatherstrip gauge designed for positioning rib members of rib strips in relation to parts of a window frame, the same comprising a handle member formed with a slot shaped to receive the rib of a weatherstrip, and said handle member being formed with a flat gauge contact surface spaced from and opposite the said slot, located at one side of the handle member and parallel with the slot.

2. As a new article of manufacture, a handle provided at its end with a gauge slot shaped to receive the rib of a weatherstrip in the manner of the reception of such rib by the slot of a window sash in which the rib is designed to slide, said handle being formed at the end equipped with said slot with a precision made flat contact surface predeterminately spaced from the slot and parallel to a side of the slot so as to contact with a parting strip or like member of a window frame for the purpose described.

3. As a new article of manufacture, a handle provided at its end with a gauge slot adapted to receive the rib of a weatherstrip in the manner of the reception of such rib by the slot of a window sash in which the rib is designed to slide, said handle being formed at the end equipped with said slot, with precision made flat contact surfaces at its opposite sides parallel with the sides of the slot each of which gauge contact surfaces is spaced a predetermined distance from the slot and capable by reversal movement of the handle of abutting with a parting strip or similar member of a window frame to accurately position the gauge slot so that it may engage a rib of a weatherstrip and locate said rib in a position which it should assume and in which it should be fastened to the frame of a window, whereby to mount the strip so that its rib will freely and properly move in a slot formed in the sash of a window cooperating therewith.

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