F. M. KING.

FASTENER FOR WINDOW AND DOOR SCREENS.

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1,091,849. Patented Mar. 31, 1914.

Fig. 1.

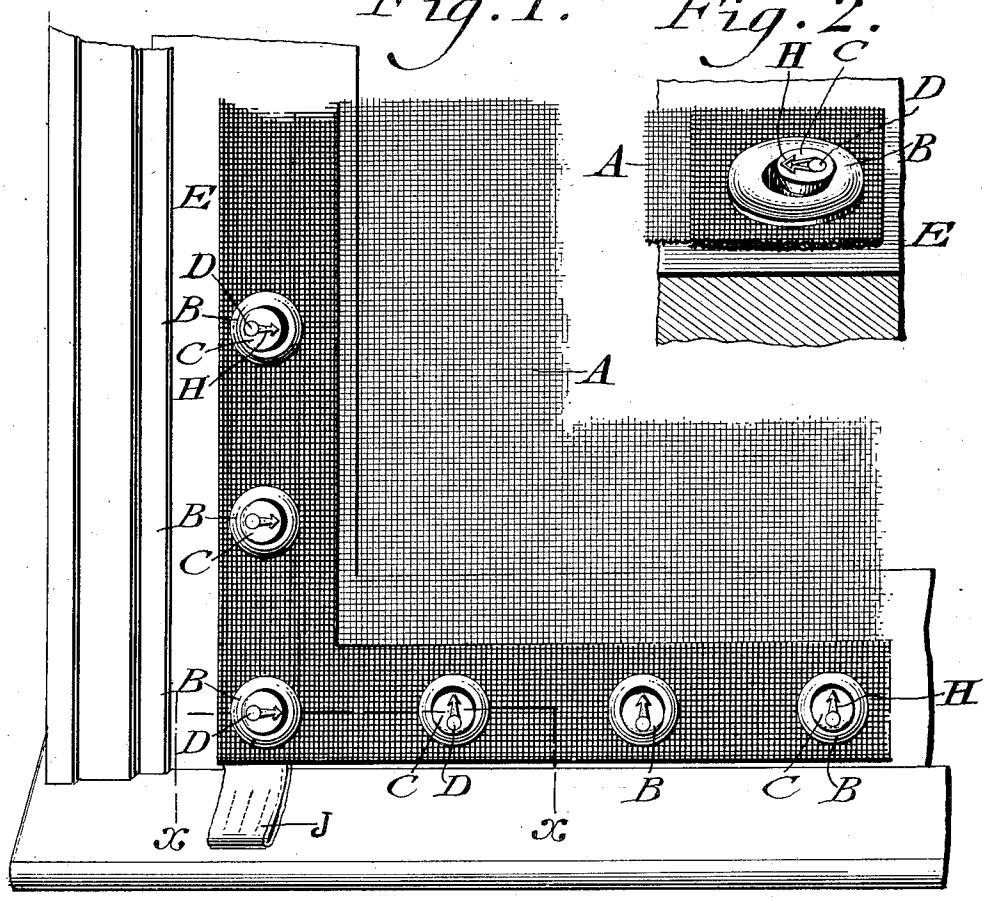
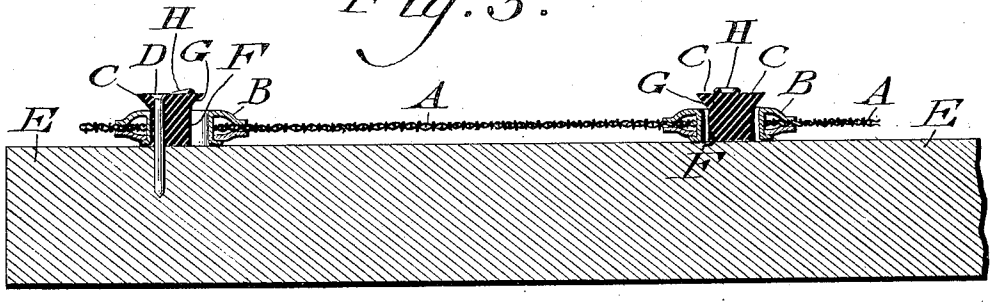


Fig. 2.

Fig. 3.



WITNESSES

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FASTENER FOR WINDOW AND DOOR SCREENS.

1,091,849. Specification of Letters Patent. Patented Mar. 31, 1914.

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To all whom it may concern:

Be it known that I, FRANCIS M. KING, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Fastener for Window and Door Screens, of which the following is a specification.

My invention relates to a screen for a window, door, or the like, and consists of novel means for fastening such screen to the frame therefor, as will be hereinafter described and definitely claimed.

For the purpose of explaining my invention, the accompanying drawing illustrates a satisfactory reduction of the same to practice, but the important instrumentalities thereof may be varied, and so it is to be understood that the invention is not limited to the specific arrangement and organization shown and described.

Figure 1 represents a perspective view of a screen-fastener embodying my invention. Fig. 2 represents a perspective view of a detached portion on an enlarged scale. Fig. 3 represents a longitudinal section on line *x*—*x* Fig. 1, on an enlarged scale.

Similar letters of reference indicate corresponding parts in the figures.

Referring to the drawings:—A designates an insect screen, which is composed of a piece of suitable fabric such as gauze or netting, the same having connected with it at the border portions thereof at intervals the gromets or eyelets B.

C designates buttons which have pins D passed eccentrically therethrough, the same being adapted to be driven into the frame E to which the screen is applied, thus retaining said buttons in position. The buttons are formed each of a body F and head G of rubber or other elastic or pliable material, said body being substantially of cylindrical form and the head flaring or increasing in width from said body so as to overhang the latter and consequently the gromet or eyelet which said body subsequently occupies.

It will be seen that the buttons are applied to the frame E at places to be occupied by the gromets B, allowance being made for stretching the screen, the gromets being drawn over the buttons and sprung over the overhanging ends or heads G into position on the bodies F, said heads yielding so that the gromets may pass over and under or behind the same, it being evident that said latter prevent the gromets from rising on the buttons and consequently disengagement and loosening of the screen. Should the screen be subjected to drafts of air its strain then is directly on the side of said bodies F which are yielding so as to be easy on the screen, preventing the same, under ordinary circumstances, from being rent about the gromets.

Under ordinary circumstances, the buttons, when set or adjusted on the frame are fixtures thereof, and so need not be disturbed, but should they wear on the sides of the bodies, where the gromets contact therewith, the buttons may be turned so that their bodies present a greater diameter or swell of the same to the contact of the gromets and thus hold the screen taut, it being evident that when the screen is to be removed the gromets are forcibly moved over the heads G, and so sprung or stripped therefrom, the heads sufficiently yielding to permit the same.

In order to set the buttons primarily on the frame so that the eccentrically-disposed pins or axes thereof occupy the right position, I place on the top of each button an indicator H, which in the present case, is of the form of an arrow or index finger and cast on the button within the circumference of the head G, the indicators on the sides pointing inwardly, those on the top pointing downwardly, and those on the bottom pointing upwardly showing where the axis or pins D are to be located on the frame and driven into the latter, and so the several gromets around the screen may be sprung over the buttons and the latter retain their hold on the former in the taut or stretched condition of the screen.

In order to assist in removing or stripping the gromets from the buttons, there is attached to the piece of screen material the tab J which forms a finger piece for evident purposes, and provides means for marking the screen with the name or location of the window, door, etc., that it occupies preparatory to storage so that when a screen is to be reapplied, it may be presented to the proper window, door, etc., where the previous adjustment of the buttons remains.

The gromets form a lining for reinforcing the openings in the piece of material that they occupy, and the diameters of their openings are greater than the diameters of

the bodies of the buttons, so that the gromets have play on the buttons both in applying and removing the same to and from the latter, as most apparent in Fig. 2.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:—

1. In a screen fastener of the character described, a rotatable button formed of a cylindrical body of pliable material and a head of greater diameter than said body, said head and body having an eccentrically arranged opening therethrough, and a pivot and fastening pin which latter freely occupies said opening.

2. In a screen fastener of the character described, a rotatable button formed of a cylindrical body of resilient material, a head thereon of greater diameter than said body, said head and body having an eccentrically arranged opening therethrough, a pivot and fastening pin freely occupying said opening and an indicating character on the outer face of said head, the same pointing from said opening to the periphery of said head in the direction of the widest diameter of said body within the periphery of said head.

FRANCIS M. KING.

Witnesses:
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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."