Nov. 24, 1931. S. V. BROOKS 1,833,773

DOOR HOLDER

Filed Oct. 7, 1930

Fig. 1.

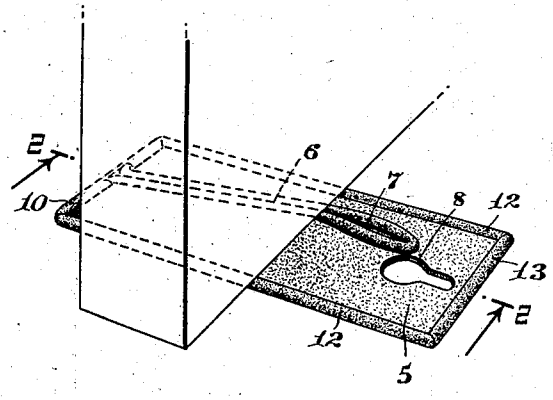


Fig. 2.

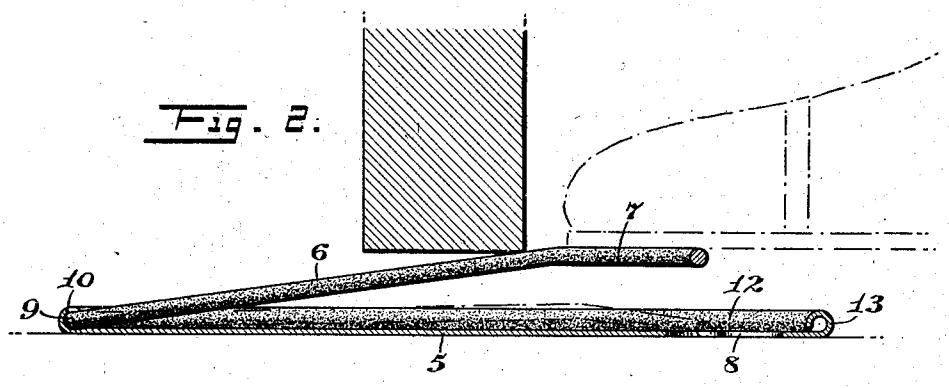
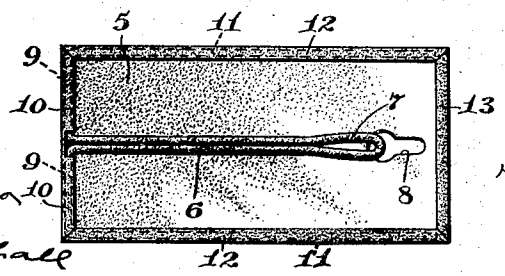


Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE

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DOOR HOLDER

Application filed October 7, 1930. Serial No. 487,048.

The invention has for one of its objects to provide a door holder which is strong and durable while inexpensive to manufacture and one which may be placed under low swung doors. The construction and arrangement of the parts is such that the door holder may be used with the greatest facility and with the least inconvenience.

Another object of the invention is to provide a door holder with a flat, even base with rounded edges which offers no sharp contacts to scratch floors, or to tear any floor covering upon which the door holder may be placed. The extent of the area of the base and the evenness of the contact of the base with the floor affords a maximum resistance against the floor and greatly assists the door holder to resist the swinging pressure of the door.

Still another object of the invention is to provide a wire stem which is mounted on the base to give a constant upward pressure against the bottom of the door, the wire stem being preferably return bent to provide a double wire surface at the door to afford additional resistance against movement of the door. The wire stem is preferably resilient and is held resiliently upward by its connection with the base which prevents a rigid contact of the wire stem with the door and avoids damage to a veneered surface of the door. The wire stem may also be bent relatively to the base for purposes of adjustment.

A further object of the invention is to provide the wire stem with a coating to increase friction against the bottom of the door thereby adding to the efficiency of the door holder.

Still another object of the invention is to provide the base with an opening in which the end of the wire stem may be pressed, which permits the body of the wire stem to move closer to the base than would otherwise be the case; the opening also serving as a means for hanging the door holder on a key in the door, or on any hook or other member.

Additional objects of the invention will appear in the following specification in which the preferred form of the invention is described.

In the drawings similar reference characters refer to similar parts in all the views, of which

Figure 1 is a perspective view illustrating the door holder as applied to a door,

Figure 2 is an enlarged sectional view on the line 2—2 of Figure 1, and

Figure 3 is a plan view of the door holder.

By referring to the drawings it will be seen that the door holder is provided with a base which has a flat undersurface for engaging a floor or floor covering and which, because of its extended and even surface, obtains a firm hold against the floor or floor covering without damage to the latter. On this base there is mounted a wire stem 6, the wire stem being return bent at 7, the end of which is adapted for disposal in an opening 8 in the base 5 which permits the return bent portion 7 of the wire stem 6 to be disposed in close proximity to the base 5 as the door holder is slipped under a door, preferably by the pressure of the foot downwardly against the return bent portion 7 of the wire stem.

The return bent portion 7 of the wire stem diverges at 9 substantially at right angles to the central portion of the return bent wire stem and these diverging portions 9 are enclosed by bending over them the edges 10 at the end of the base 5. This serves to hold the diverging portions 9 of the wire stem at the end of the base 5, the terminals 11 of the wire stem being return bent so that they will be disposed at the sides of the central portion 7 of the wire stem and substantially parallel therewith, this being shown in Figure 3 of the drawings. The said terminals 11 of the wire stem 6 are held in position by bending the sides 12 of the base 5 over the said terminals 11 so that the terminals 11 of the wire stem will be held in position by the bent over portions of the sides 12 of the base and the diverging portions 9 of the wire stem will be held relatively to the base 5 by the bent over portions at the end of the base. In this way the central portion 7 of the wire stem will be held in adjusted position, inasmuch as this wire stem 6 is of a resilient character and will tend to remain in the position to which it is bent relatively to the base 5. The end 13 of the base 5 is bent over to corre-

spond with the bent over portion of the base to harmonize therewith and also to make both ends, as well as both sides, of the base rounded and prevent any engagement with the floor or floor covering, which would be injurious to the latter.

Preferably the central portion 7 of the wire stem is finished with a frictional material which will prevent the said central portion of the wire stem from slipping beneath the bottom of the door after adjustment. Preferably the said central portion 7 of the wire stem, as well as the top and the bent over sides of the base 5, are finished with the same material, which not only gives to the central portion 7 of the wire stem the necessary frictional surface, but also gives to the said central portion 7 of the wire stem and the top and bent over sides of the base an attractive appearance.

A flexible damaskeen finish may be employed on the said central portion 7 of the wire stem and the top and bent over sides of the base.

It will be understood that not only will the opening in the base 5 serve as a means to permit the ends of the central portion 7 of the wire stem to be depressed, with the central portion of the wire stem in closer proximity to the top of the base than would otherwise be possible, but the said opening in the base 5 may be used to support the door holder on a key of a door, or on a hook or other means of support.

What is claimed is:

1. In a door holder, a wire having a return bent central portion, the wire having portions beyond the central portion which diverge and which extend substantially parallel with the central portion of the wire beyond the diverging portions, and a base having edges which are turned over the diverging portions of the wire.

2. In a door holder, a wire having a return bent central portion extending longitudinally of the door holder, the wire having portions beyond the central portion which diverge substantially at right angles relatively to the central portion, the terminals of the wire beyond the diverging portions being bent and being disposed at the sides of the central portion of the wire and substantially parallel therewith, and a base having an end bent over the diverging portions of the wire and sides bent over the terminals of the wire.

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