

F. W. COOK.
FLOOR FASTENING FOR STORE STOOLS.
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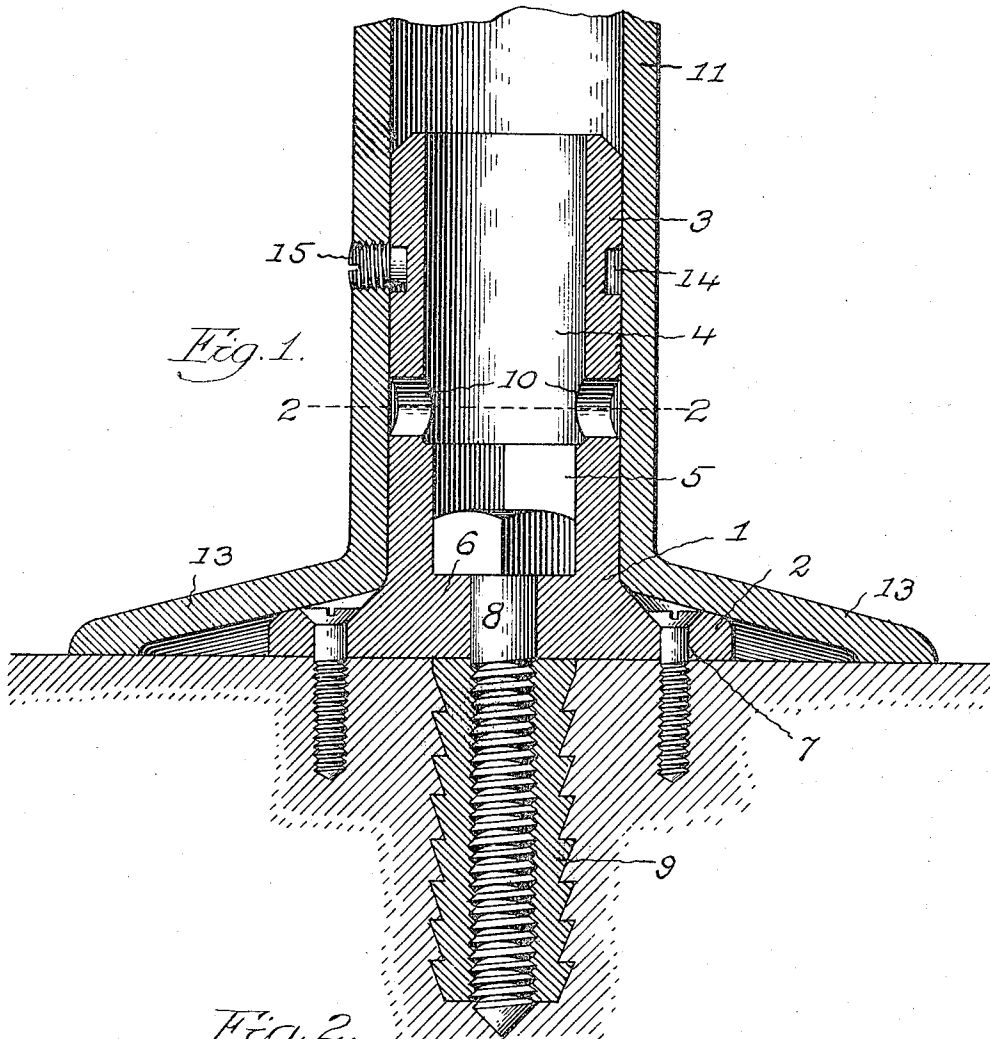
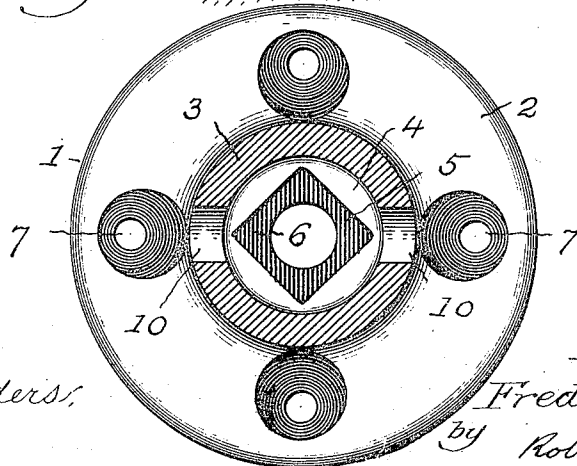


Fig. 2.



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UNITED STATES PATENT OFFICE.

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FLOOR-FASTENING FOR STORE-STOOLS.

1,380,041.

Specification of Letters Patent.

Patented May 31, 1921.

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To all whom it may concern:

Be it known that I, FRED WESLEY COOK, a citizen of the United States of America, and a resident of North Chicago, in the county of Lake, State of Illinois, have invented certain new and useful Improvements in Floor-Fastenings for Store-Stools, of which the following is a specification.

This invention relates to means for fastening stools and like fixtures to the floors of stores, lunch rooms, etc., in a manner capable of withstanding the usual severe stress to which they are exposed in actual use.

The present improvement has for its object to provide a structural formation and association of parts whereby a substantial attachment of the stool pedestal to the floor is attained; with the attaching means concealed from sight, and with the pedestal proper capable of detachment and removal when desired, all as will hereinafter more fully appear.

In the accompanying drawing:—

Figure 1, is a central vertical section of the lower portion of a stool pedestal embodying the present improvement.

Fig. 2, is a horizontal section of the attaching head on line 2—2 Fig. 1.

Like reference numerals indicate like parts in both views.

Referring to the drawing, 1 designates an attaching head having a lower expanded portion or base 2, and a hollow neck 3 extending up from said base and preferably of a cylindrical form, with its bore formed with an upper circular portion 4, with an intermediate square or like non-circular portion 5, and with a bottom orificed web portion 6, as shown.

7 designates a series of screw holes formed in the base 1, for the passage of attaching screws, when said means of attachment is deemed advisable. The main fastening means which is especially adapted for concrete floors and the like is of a construction as follows:

8 designates a headed lag screw, the head of which is adapted to fit the square or other non-circular mid-portion 5 of the bore of the head 1 so as to be rotatable therewith when the said head is turned by hand as hereinafter described. The shank of the

screw 8 passes through the orifice of the bottom web 6 of said head, while the screw-threaded portion of the screw is adapted to screw into an expansion sleeve 9 of any usual form and fitted to a hole bored therefor in the floor as illustrated in Fig. 1.

10 designates aligned orifices extending transversely through the neck portion 3 of the attaching head, and adapted to receive an operating rod or lever when it is desired to rotate said head and cause the lag screw 8 to screw into and become clamped in the expansion sleeve 9 aforesaid.

11 designates the usual hollow pedestal of a stool adapted to carry on its upper end the usual revoluble seat and having the lower portion of its bore formed to fit the periphery of the neck 3 of the attaching head 1 to cover and conceal the same. And to such end the base portion 13 of the pedestal is provided with an expanded concealing rim or flange adapted to fit over and inclose the bottom flange 2 of the attaching head 1 aforesaid.

14 designates a peripheral recess formed in the upper portion of the neck 3 of the attaching head 1 adapted to receive an attaching screw 15 passing through the wall of the pedestal to hold the parts from accidental disengagement after an assembly in place.

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

1. In a stool attaching means, the combination of an attaching head formed with a central bore and having a bottom flange, means arranged in said central bore for attaching said head to a floor, a hollow stool pedestal fitted over said attaching head and having an expanded base portion fitting over and concealing the base of the attaching head, and means for securing the attaching head and pedestal together.

2. In a stool attaching means, the combination of an attaching head having a central bore formed with an intermediate non-circular portion and with a bottom web having a central orifice for the passage of a lag screw, said non-circular portion being adapted for operative engagement with the head of said lag screw, a hollow stool ped-

estal fitted over said attaching head, and means for securing the attaching head and pedestal together.

3. In a stool attaching means, the combination of an attaching head having a central bore formed with an upper circular portion, an intermediate non-circular portion and a bottom web having a central orifice for the passage of a lag screw said non-circular portion being adapted for operative engagement with the head of said lag screw, a hollow stool pedestal fitted over said attaching head, and means for securing the attaching head and pedestal together.

4. In an attaching means, the combination of an attaching head formed with a central bore, a bottom flange and a peripheral recess, means arranged in said bore for attaching the head to the floor, a hollow stool pedestal fitted over said attaching head,

and a fastening screw passing through said pedestal and engaging the aforesaid peripheral recess of the attaching head.

5. In a stool attaching means, the combination of an attaching head having a central bore formed with an intermediate non-circular portion and with a bottom web having a central orifice for the passage of a lag screw, said non-circular portion being adapted for operative engagement with the head of said lag screw, a hollow stool pedestal fitted over said attaching head, and means for securing the attaching head and pedestal together, the upper portion of the attaching head having transversely aligned orifices for the reception of a rod or lever to attain a turning movement of the head.

Signed at North Chicago, Ill., this 20th day of December, 1920.

FRED WESLEY COOK.