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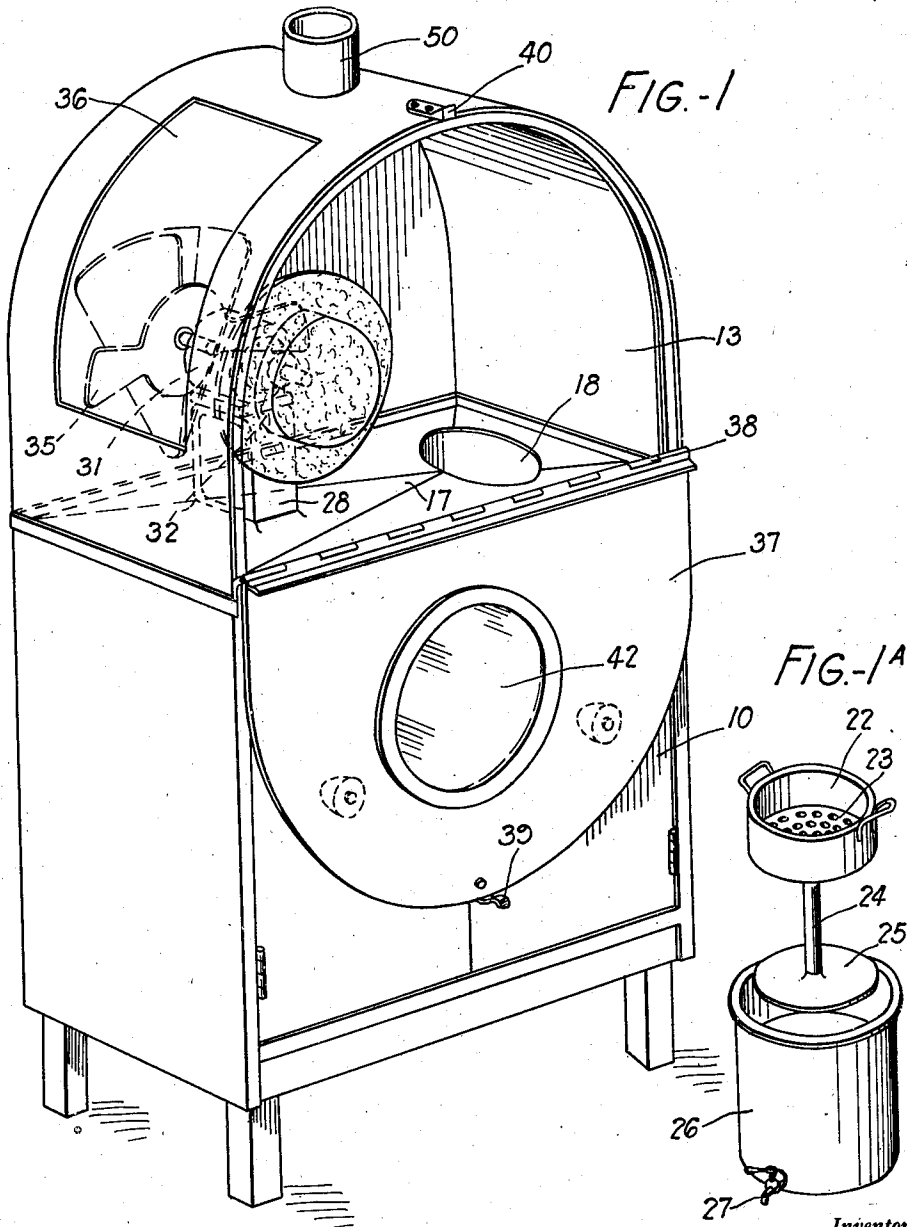
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CENTRIFUGAL DRIER FOR HATS

Filed Feb. 17, 1945

2 Sheets-Sheet 1



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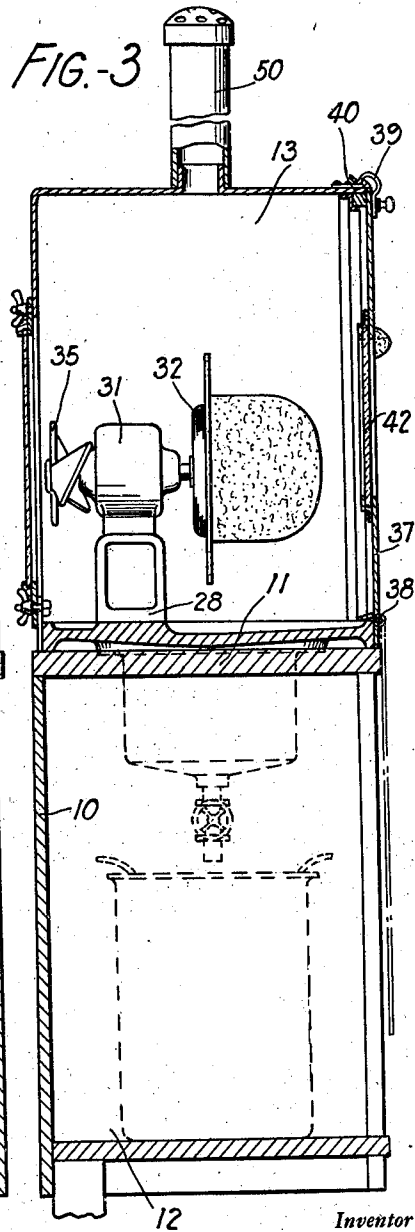
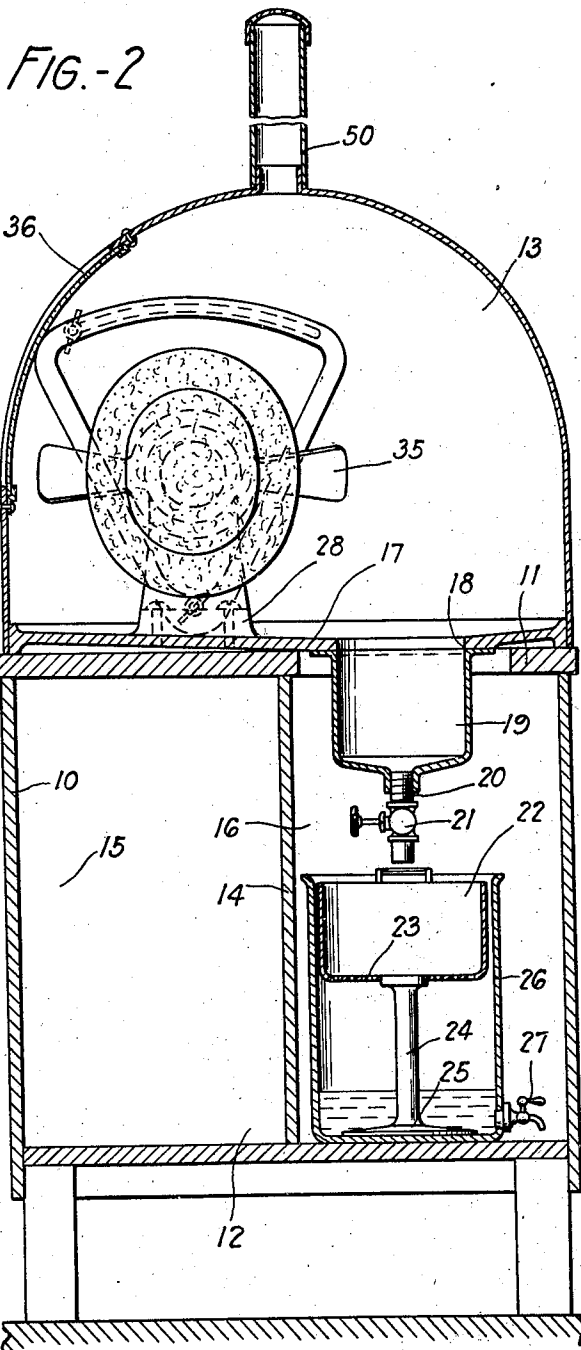
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UNITED STATES PATENT OFFICE

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CENTRIFUGAL DRIER FOR HATS

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2 Claims. (Cl. 34—58)

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The present invention relates to new and useful improvements in cabinets, and the same pertains particularly to a cabinet especially adapted for cleaning hats.

It is one of the objects of the present invention to provide a cabinet within which a hat may be cleaned and within which the hat is entirely enclosed during the cleaning operation.

It is a further object of the invention so to construct the cabinet that even though the hat is completely enclosed during the cleaning operation, it may from time to time be inspected to ascertain the progress of the cleaning operation.

In the cleaning of hats, they are revolved at high rate of speed and throw the cleaning fluid therefrom which fluid is often of a volatile nature and it is a further object of the invention so to construct a cabinet that the volatile cleaning fluid will be collected when the same is thrown from the hat and will be prevented from dripping upon the floor and thus eliminating the fire hazard attendant the use of hat cleaning machines as ordinarily constructed.

With the above and other objects in view which will appear as the nature of the invention is better understood, reference will be had to the accompanying drawings, wherein;

Figure 1 is a perspective view of a cabinet constructed in accordance with the present invention, a portion of the cabinet being shown open.

Figure 1A is a detail perspective view of a portion of the collecting mechanism incorporated in the cabinet.

Figure 2 is a vertical sectional view taken through the cabinet, and;

Figure 3 is a vertical sectional view taken through the cabinet in a plane at right angles to Figure 2.

Referring more particularly to the drawings, the cabinet consists of a body portion 10 which is divided by means of a horizontally extending partition 11 into a lower portion 12 and an upper portion 13 the latter forming the hat cleaning compartment. The lower portion 12 may be divided by a vertical partition 14 into two chambers 15 and 16 the purpose of which will be herein-after described.

Resting upon the partition 11, there is a drainboard 17 and said drainboard has a discharge opening 18 which leads to a receptacle 19 from which extends a discharge pipe 20 controlled by a valve 21. The discharge pipe 20 empties into a strainer or the like 22 having a perforated bottom 23 and supported upon a standard 24 having a base or the like 25. The strainer is supported

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within a receptacle 26 carried in the compartment 16 and said receptacle may have a controlled valve or cock 27, if desired.

The reference character 28 designates a base on the drainboard 17 and carried by said base, there is a motor or the like 31 which carries a suitable chock or the like 32 which is of conventional form and is adapted to be expanded within a hat as illustrated in order to mount the hat upon the shaft of the motor 31. Upon the opposite end of the shaft a fan such as 35 may be positioned, if desired.

The compartment 13 is dome-shaped and in one side thereof there is provided a sight window 36 and this compartment has a door 37 hinged as at 38 to fold downwardly as best shown in Figure 1. A catch or the like 39 is employed for engagement with a lug or the like 40 to hold the door 37 in its closed position. The door 37 may also be provided with a sight window 42 and through which the hat may be observed during the cleaning process.

A ventilating chimney or the like 50 may be provided and this chimney preferably extends from the top of the dome-shaped chamber 13 as best illustrated in the drawings.

The device is adapted to operate in the following manner.

The door 37 is moved to open position after which the hat may be placed upon the shaft of the motor 31 as heretofore described, it being understood, of course, that the hat has been treated with cleaning fluid. The door 37 is closed and the motor started, revolving the hat at high speed and throwing the cleaning fluid therefrom. In its projecting from the hat, the cleaning fluid is deposited upon the sides of the compartment 13 and the drainboard 17, from whence it passes through the opening 18 to the receptacle 19.

From the receptacle 19 the cleaning fluid passes to the receptacle 22 and is strained by the perforated bottom thereof and from which it passes into the receptacle 26 from which it may be drained through the cock or valve 27. After the hat has been cleaned, the door 37 may be opened and the hat removed and during the cleaning process, the hat may be observed through the sight windows 36 and 42 in the dome-shaped chamber 13 and door 37, respectively.

Fumes arising from the cleaning fluid are discharged through the chimney 50.

While the invention has been herein disclosed in a preferred form, it is to be understood that the invention is not to be limited to the specific construction herein shown and that it may be

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practiced in other forms without departing from the spirit thereof.

Having thus described the invention, what is claimed as new and what it is desired to secure by Letters Patent of the United States is:

1. A hat cleaning machine which includes a drain board, an arch-shaped cover enclosing the upper side of the drain board, a pedestal mounted on the drain board beneath the arch-shaped cover, a drive motor mounted on the upper end of the pedestal, a hat supporting block mounted on one end of the drive shaft of said motor for rotation therewith about a horizontal axis, an air circulating fan on the opposite end of the motor shaft, a back wall extending between the arch-shaped cover and the drain board, and an access door hinged to the edge of the drain board opposite the back wall and adapted wholly to close the space between the front edge of the drain board and the arch-shaped cover.

2. A hat cleaning machine which includes a drain board, an arch-shaped cover enclosing the upper side of the drain board, a pedestal mounted on the drain board beneath the arch-shaped cover, a drive motor mounted on the upper end of the pedestal, a hat supporting block mounted on one end of the drive shaft of said motor for rotation therewith about a horizontal axis, an

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air circulating fan on the opposite end of the motor shaft, a back wall extending between the arch-shaped cover and the drain board, an access door hinged to the edge of the drain board opposite the back wall and adapted wholly to close the space between the front edge of the drain board and the arch-shaped cover, a window in the arch-shaped cover, and a window in the access door through which the hat block is visible.

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