Feb. 18, 1930. W. F. CRAWFORD 1,747,428

DISPLAY DEVICE

Filed June 15, 1929 2 Sheets-Sheet 1

Fig. 1

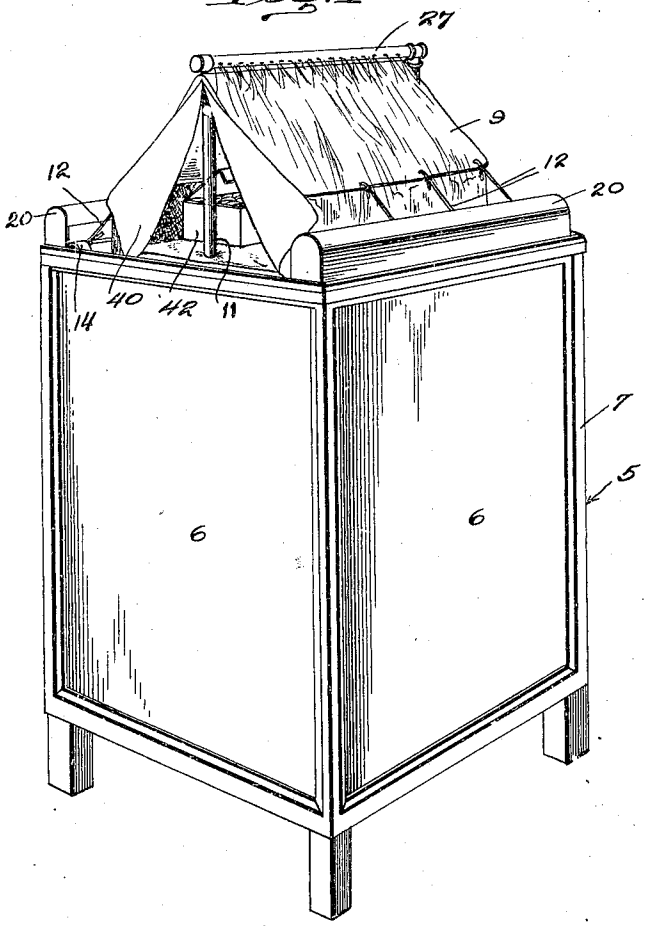
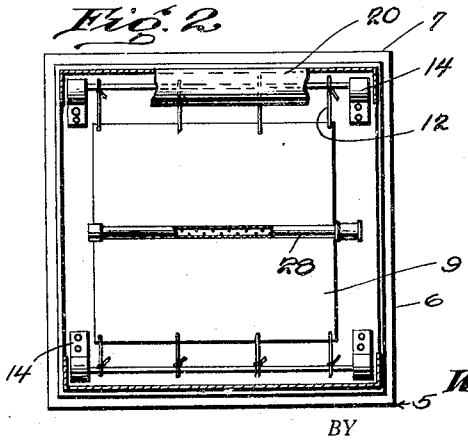


Fig. 2



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Fig. 4

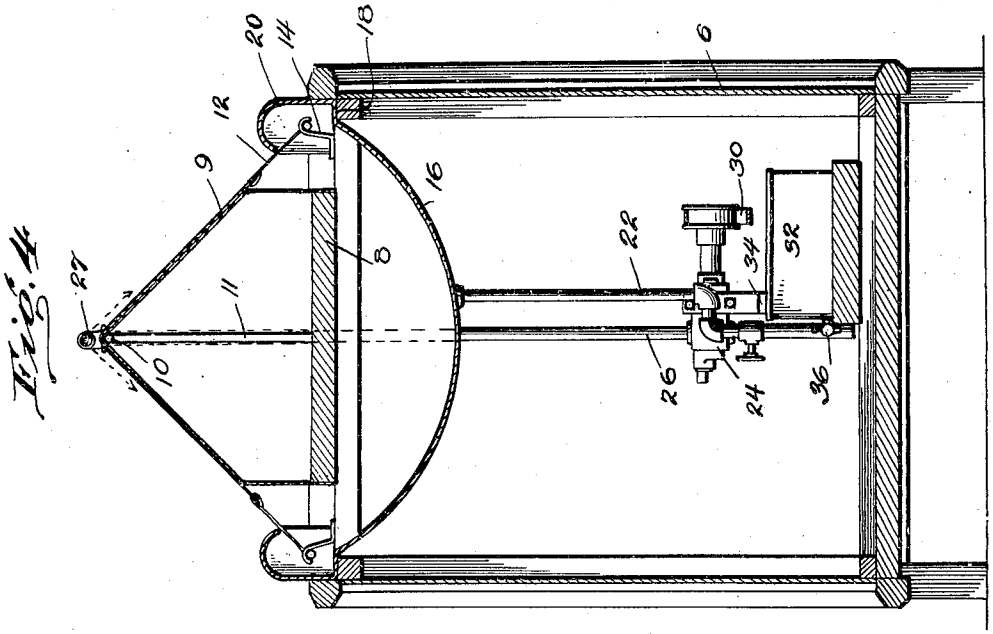
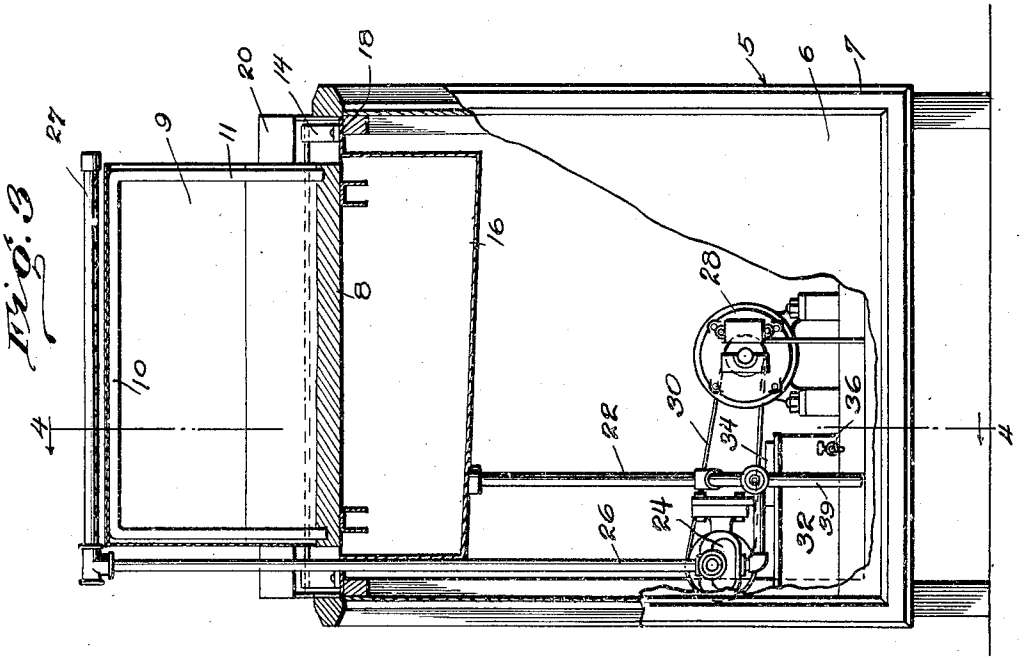


Fig. 3



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UNITED STATES PATENT OFFICE

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DISPLAY DEVICE

Application filed June 15, 1929. Serial No. 371,182.

This invention relates to display devices and an important object is to provide novel and simple means by which the water impervious features of a tent or the like may be publicly or otherwise demonstrated by placing an article highly susceptible to damage by water within the tent and directing a continuous flow of water over the tent, the article within the tent being within plain view of observers for inspection so that the condition of the same and consequently the resistance of the tent to water may be readily observed.

A further and equally important object is to provide a display device of the character specified which is of highly simplified construction, durable and which may be allowed to operate for long periods without adjustment or repair.

Other objects and advantages will be apparent during the course of the following description.

In the accompanying drawings forming a part of this application and in which like numerals are employed to designate like parts throughout the same,

Figure 1 is a perspective of the improved display device,

Figure 2 is a horizontal sectional view through the same,

Figure 3 is a vertical sectional view through the improved display device,

Figure 4 is a vertical sectional view taken on line 4—4 of Figure 3.

In the drawing wherein for the purpose of illustration is shown a preferred embodiment of the invention the numeral 5 designates a cabinet having sides 6 connected to legs 7, the lower portions of which may be extended below the sides 6 for sanitary reasons.

In carrying out the invention a portion of the top 8, which may be of wood or the like, serves as the floor of a tent 9. In practice the tent may be of the type illustrated, although this is not necessary and a ridge pole 10 may be supported at the ends thereof by standards 11, all of which is clearly illustrated in Figures 2 and 3.

The covering of the miniature tent is shown in Figures 1 and 4 to be anchored in place by flexible elements 12 attached to hooks 14. Attention is especially directed to Figure 4 which illustrates that the opposite sides of a transversely curved tank 16 are provided with offsets 18 resting on the top of the cabinet and having uprights 20 concealing the anchoring devices 14 and at the same time acting as troughs or water directing devices by which the water which flows from the surface of the tent is caused to return to the container 16. This figure further illustrates that the upper edge portions of the uprights 20 are provided with inward and downward bends to form baffles for use in avoiding water losses as a result of splashing of the water against the inner surfaces of the uprights 20.

In summarizing the foregoing feature it will be seen that the uprights 20 not only conceal the anchoring devices to provide an attractive display, but also assure the return of the water from the surface of the tent to the tank 16 from where it is subsequently pumped over the tent as will be described.

A pipe 22 is extended from the bottom of the tank 16 and has connection with a gear or other pump 24. The pump 24 is shown to be provided with a discharge or outlet pipe 26 extended upwardly to a point above the tent and having a perforated spray pipe 27 extending parallel to and immediately above the ridge pole of the tent so that the water is discharged on the opposite sides of the tent. Of course, one end of the spray pipe is closed as illustrated and the perforations in the spray pipe may be arranged to direct a separate spray of water over each side of the tent.

In carrying out the invention the pump 24 may be driven by an electric or other motor 28 through a suitable transmitting mechanism such as a belt 30. Attention might be directed to Figure 3 which illustrates that the motor is mounted on a receiving tank 32 through the medium of an L-shaped bracket 34, or other suitable support. The function of the tank 32 is to collect water or oil drippings from the motor. A drain cock 36 may be connected to the tank 32. The water in the circulating system may be drained through a

drain pipe 39 in which a manually controlled valve may be interposed.

In preparing the display for use the flaps 40 at one end of the tent are secured in open position and a box 42 containing crackers or other articles highly susceptible to damage by water are placed on the floor of the tent so that when the circulation of water is set up the water impervious features of the tent will be amply demonstrated.

When the motor 28 is started, a continuous flow of water will be directed over the tent and as the water leaves the covering of the tent it is collected by the uprights 20 which, incidentally, are shown in Figure 1 to be closed at the ends thereof to further conceal the anchoring devices 14 and to aid in avoiding water losses.

A display device constructed in accordance with this invention is interesting to watch and, of course, it is contemplated that suitable advertising matter may be applied to the sides 6 or other conspicuous places to indicate the origin of the tent in display.

Having thus described the invention, what is claimed is:

In a display device for demonstrating the water impervious qualities of a tent, a cabinet having a top forming a support for an article susceptible to damage by water, a miniature tent mounted on said top and having a fabric covering provided with open flaps affording a view of the article within the tent, anchoring devices at opposite sides of said fabric covering and having connection therewith, a tank beneath said top and having offsets resting on the same and having imperforate uprights extending from said offsets at points outwardly of said anchoring devices to conceal the same and to assist in directing water from said covering into said tank, the upper portions of said uprights being curved inwardly and downwardly to define baffles, a pump within the cabinet and having communication with said tank, a pipe having communication with said pump and being provided with a spray pipe extending along the top of the tent and having apertures to direct water onto said fabric covering, and a motor within said cabinet and having connection with said pump.

In testimony whereof I affix my signature.

WILBUR FRANCIS CRAWFORD.