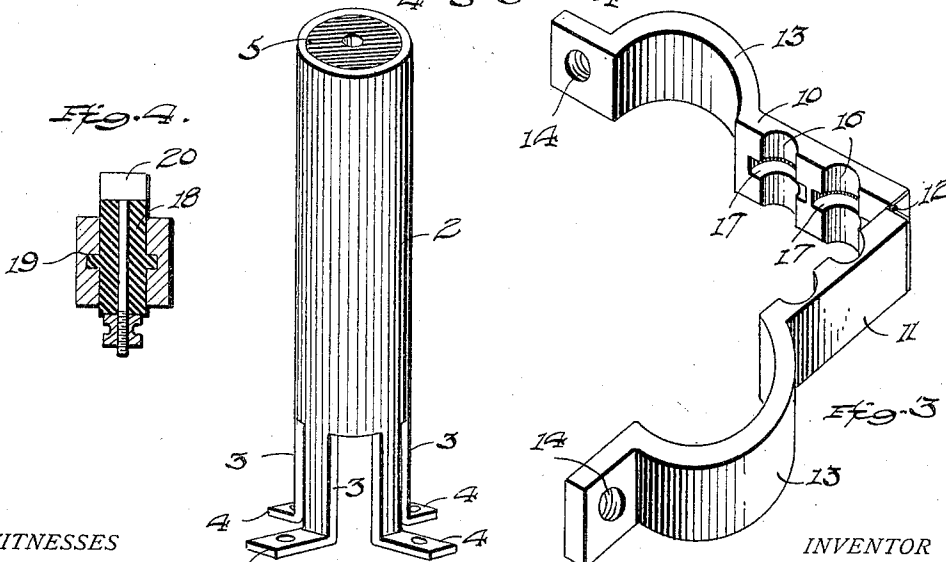
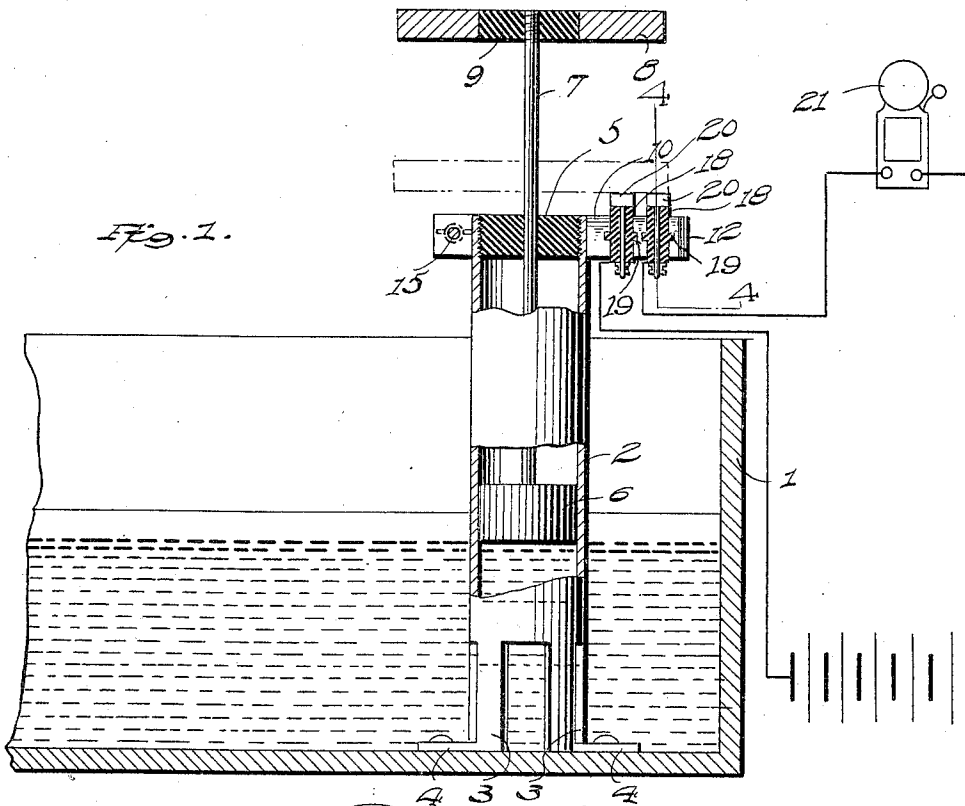


L. MARCHAL.
ELECTRIC ADVERTISER.
APPLICATION FILED AUG. 26, 1911.

1,051,245.

Patented Jan. 21, 1913.



WITNESSES

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UNITED STATES PATENT OFFICE.

LOUIS MARCHAL, OF CHICAGO, ILLINOIS.

ELECTRIC ADVERTISER.

1,051,245.

Specification of Letters Patent.

Patented Jan. 21, 1913.

Application filed August 26, 1911. Serial No. 646,273.

To all whom it may concern:

Be it known that I, LOUIS MARCHAL, a citizen of Belgium, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Electric Advertisers, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to an alarm or signal device, designed more especially for use in connection with gasoline tanks for automobiles whereby the operator will be warned when the gasoline or fuel reaches a predetermined level, so as to enable him to recharge the tank at the most available place.

Of course, it should be understood, that the present invention may be used in connection with any tank wherein it is desired to sound the signal when the same should become dry or otherwise empty.

The present device will be found very effectual in connection with lubricating tanks carrying oil for an engine or other machine for it often becomes important to be notified when the lubricating material has become exhausted.

In the drawing Figure 1 is a vertical section of the signal device applied to a tank. Fig. 2 is a perspective view of the float-casing. Fig. 3 is a detail perspective view of the gripping clamp for supporting the contact members. Fig. 4 is a transverse section taken on the line 4-4 of Fig. 1.

Referring to the drawings by numerals 1 designates the tank in which is placed a float-casing 2, which casing 2 is supported by means of legs 3. The legs 3 are provided with laterally extending ends 4 which constitute feet for allowing the float-casing to be secured to the bottom of the tank 1. The float-casing 2 is provided with a filler 5, which filler is threaded into the upper end thereof. A float 6 works within the float casing 2 and is connected to the lower end of a rod 7, which rod carries at its upper end a circuit closing disk 8. The disk 8 is provided centrally thereof with an insulat-

ing disk 9 into which the upper threaded end of the rod 7 is secured as clearly shown in Fig. 1.

A clamp-device is secured to the upper end of the casing 2 as illustrated in Fig. 1, and consists of sections 10 and 11. These sections 10 and 11 are hingedly connected as at 12 and are provided with bulged portions 13 adapted to firmly grasp the upper end of the float-casing 2. The free ends of the clamp-device are provided with apertures 14 through which is adapted to extend a thumb-nut or screw 15 for securely gripping the clamp upon the upper end of the float casing. Each section of the clamp-device is provided near its hinged end with a pair of vertically extending concave grooves 16, which grooves are each provided intermediate their ends with a channel 17.

Contacting plugs 18 are adapted to be supported within the grooves 16 as illustrated in Fig. 1, and each plug 18 comprises an insulated body as clearly illustrated in Fig. 4 having intermediate its ends, an annular rib 19 which is adapted to fit into the channel 17 formed in the vertical slot 16. A contact plate 20 is carried by the top of the plugs 18 and is connected to one of the conducting wires or elements.

When the device is connected up for operation, two plugs will be used as illustrated in Fig. 1, and a conducting wire or element being connected to each plug. Through this medium an electric circuit will be formed by connecting these wires up to a battery or other source of electrical supply, and within this circuit will also be placed a bell, light, or other annunciating means.

From the above description it will be obvious that when the liquid within tank 1 should become approximately all used up the float valve 6 will descend thereby lowering the contact disk 8 so as to come in contact with the upper ends of the plugs 18 and close the circuit therethrough. This being accomplished the bell 21 will be sounded.

What I claim is:—

A supporting clamp comprising a pair of hinged sections, said sections being pro-

vided with a support gripping portion,
means for clamping said sections together,
said sections being provided near their
hinged ends with a pair of vertically ex-
5 tending concave grooves, each groove being
provided intermediate its ends with a chan-
nel for the purpose specified.

In testimony whereof I hereunto affix
my signature in presence of two witnesses.

LOUIS MARCHAL.

Witnesses:

ISADORE RINZBERG,
CLYDE B. FLEMING.

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