J. J. BARRASH.

RAIN SIGNAL.

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Fig. 1.

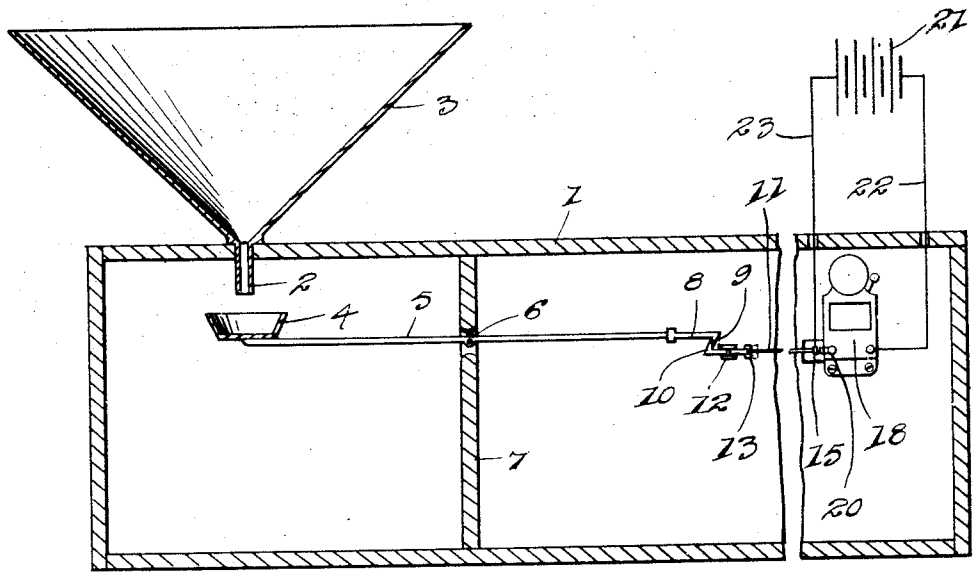
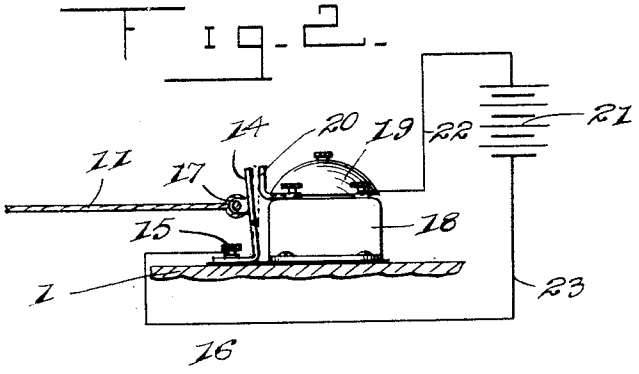


Fig. 2.



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RAIN-SIGNAL.

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To all whom it may concern:

Be it known that I, JOSEPH J. BARRASH, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Rain-Signals; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention relates to rain signals, and one of the principal objects of the invention is to provide a simple, reliable and efficient device for indicating or announcing rain immediately after it begins to fall.

Another object of the invention is to provide a rain signal which will immediately start a bell or electric motor in operation when rain begins to fall.

A rain signal is very desirable for use in hotels, apartment houses and other places where the windows are raised during the night and persons sleeping in apartments would be notified that it was raining upon the carpets and ruining the furniture.

The objects and advantages referred to may be attained by means of the construction illustrated in the accompanying drawing, in which,

Figure 1 is a view in elevation and partial section showing a rain signal made in accordance with this invention, Fig. 2 is a view on a larger scale showing the bell or motor for giving the alarm in case of rain.

Referring to the drawing, the numeral 1 designates a casing, and extending through the top of the casing is a discharge tube 2 connected to the reduced or small end of a large funnel 3 supported above the casing and designed to collect a number of rain drops and to deposit them upon a tray 4 in the form of a cup mounted on the end of a balancing rod 5 pivoted at 6 in an aperture in the partition 7. Mounted on the opposite end of the balancing rod 5 is a sliding trigger 8, having a hook 9 adapted to frictionally engage a similar hook 10 attached to a cord or flexible connection 11. The cord 11 is connected to a loop 12 on the hook 10, and extends through a guard 13, the end of the cord or connection being attached to a spring contact member 14 secured by means of a screw 15 to a suitable base 16. The cord 11 is connected to a lug 17 near the top of the spring contact 14. A bell casing 18 provided with a bell or buzzer 19 is provided with a contact element 20, and is connected up to a battery 21 by means of the wires 22 and 23.

When the trigger 8 is connected to the hook 10, the contact arm 14 is withdrawn from the contact element 20. The device may be placed upon a window sill and in case of rain the drops falling in the funnel 3 will be conveyed to the cup or tray 4, and a few drops of the water will operate the balancing rod 5 and disengage the trigger 8 from the hook 10, thus permitting the contact 14 to spring into engagement with the contact 20 and start the bell or buzzer in operation. Means may be provided for stopping the bell or buzzer.

From the foregoing it will be obvious that a rain signal made in accordance with this invention is simple in construction, can be manufactured at slight cost, and will operate efficiently for its purpose.

Various changes may be made in the details of construction without departing from the spirit and scope of the invention as defined in the claim.

What is claimed is:—

A rain signal comprising a casing, a funnel mounted in the casing, a balancing rod carrying a tray or cup at one end in line with the discharge portion of the funnel, said balancing rod being pivoted in the casing, a trigger connected to said balancing rod, a hook provided with a flexible connection engaged with said trigger, and a spring contact connected to said flexible connection.

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

JOSEPH J. BARRASH.

Witnesses:

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