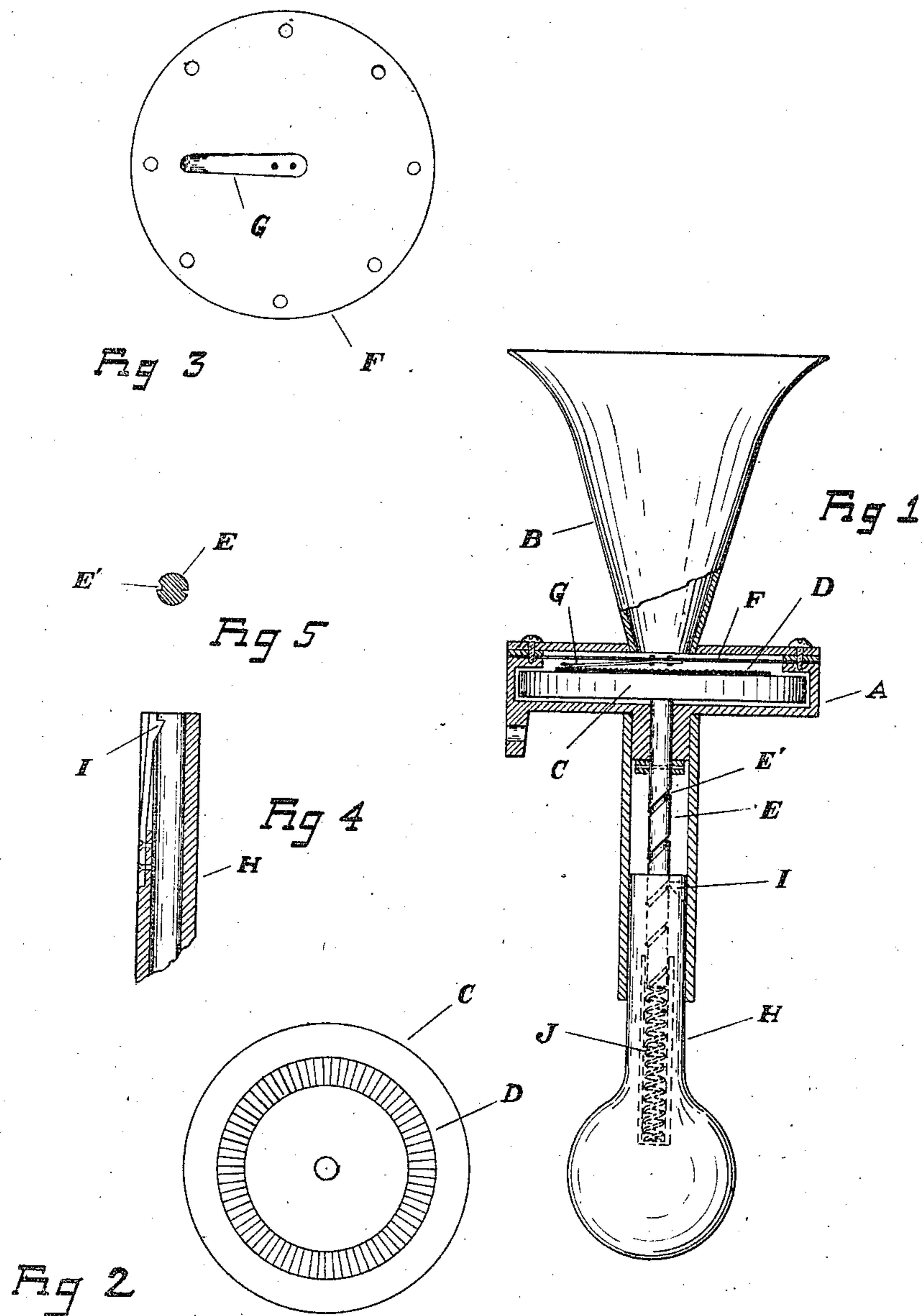


C. F. JENKINS.  
WARNING SIGNAL.  
APPLICATION FILED APR. 25, 1910.

983,236.

Patented Jan. 31, 1911.



WITNESSES:

*C. F. Jenkins*  
*J. P. White*

INVENTOR

*C. Francis Jenkins*

# UNITED STATES PATENT OFFICE.

CHARLES FRANCIS JENKINS, OF WASHINGTON, DISTRICT OF COLUMBIA.

## WARNING-SIGNAL.

983,236.

Specification of Letters Patent. Patented Jan. 31, 1911.

Application filed April 25, 1910. Serial No. 557,450.

*To all whom it may concern:*

Be it known that I, CHARLES FRANCIS JENKINS, citizen of the United States, residing at Washington, District of Columbia, have invented certain new and useful Improvements in Warning-Signals, of which the following is a specification.

This invention relates to that class of apparatus intended to produce warning signals, and has for its main object a design permitting of efficient and inexpensive construction.

In the accompanying drawings, Figure 1 is a partial sectional view of the device; Fig. 2 a top view of the rotor part; Fig. 3 a top view of the diaphragm; Fig. 4 a section through the stem of the handle; and Fig. 5 a cross-section of the rotor stem.

In the drawings A is the frame or body of the instrument; B the bell; C the rotor part which principally consists of a fly-wheel with radial corrugations circularly arranged thereon and having a stem E with a spiral groove thereon.

F is a diaphragm held fixedly between the bell and the rotor, and having a member G radially attached thereto at one end, the other end contacting with the corrugations on the rotor. Over the stem a handle H is arranged to move longitudinally. The stem of this handle has a pawl I so located as to engage with the groove E' on the shaft E of the rotor, C.

A quick downward push on the handle H produces rotation of the stem, and the spring J returns it to its initial position. The rapid rotation of the flywheel with its corrugated surface over which the blade G slips produces a pronounced warning which in practice has been found most effective,

the object of which does not remain for a single moment misunderstood.

What I claim is—

1. In a signaling device of the character described, an approximately circular hollow frame, a disk-like member rotatively supported therein and having on one of the flat surfaces thereof a series of corrugations uniformly spaced, a horn the base of which is attached to and forms a closure for the hollow frame, a diaphragm fixedly held between the frame and the horn base, and a blade one end of which is rigidly attached to the diaphragm the other or free end contacting with the corrugated surface of the rotating member.

2. In a signaling device of the character described, an approximately circular hollow frame, a disk-like member rotatively supported therein and having on one of the flat surfaces thereof a series of corrugations uniformly spaced, a horn the base of which is attached to and forms a closure for the hollow frame, a diaphragm fixedly held between the frame and the horn base, a blade one end of which is rigidly attached to the diaphragm the other or free end contacting with the corrugated surface of the rotating member, a reciprocating handle movably held in an extension of said frame, and means in said handle whereby longitudinal thrust of the handle produces rotary motion of the rotating member.

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

CHARLES FRANCIS JENKINS.

Witnesses:

J. R. WHITE,  
A. W. JENKINS.