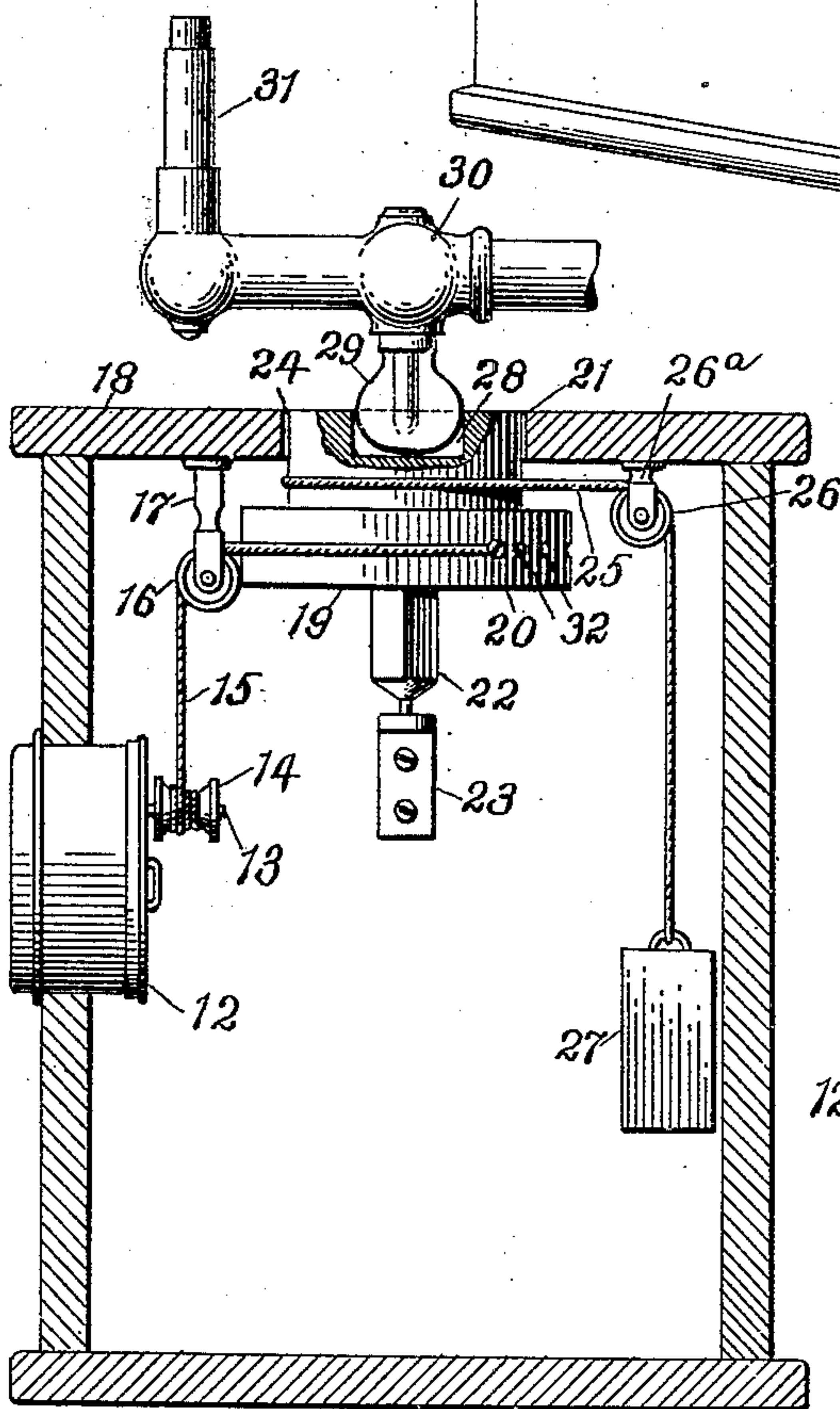
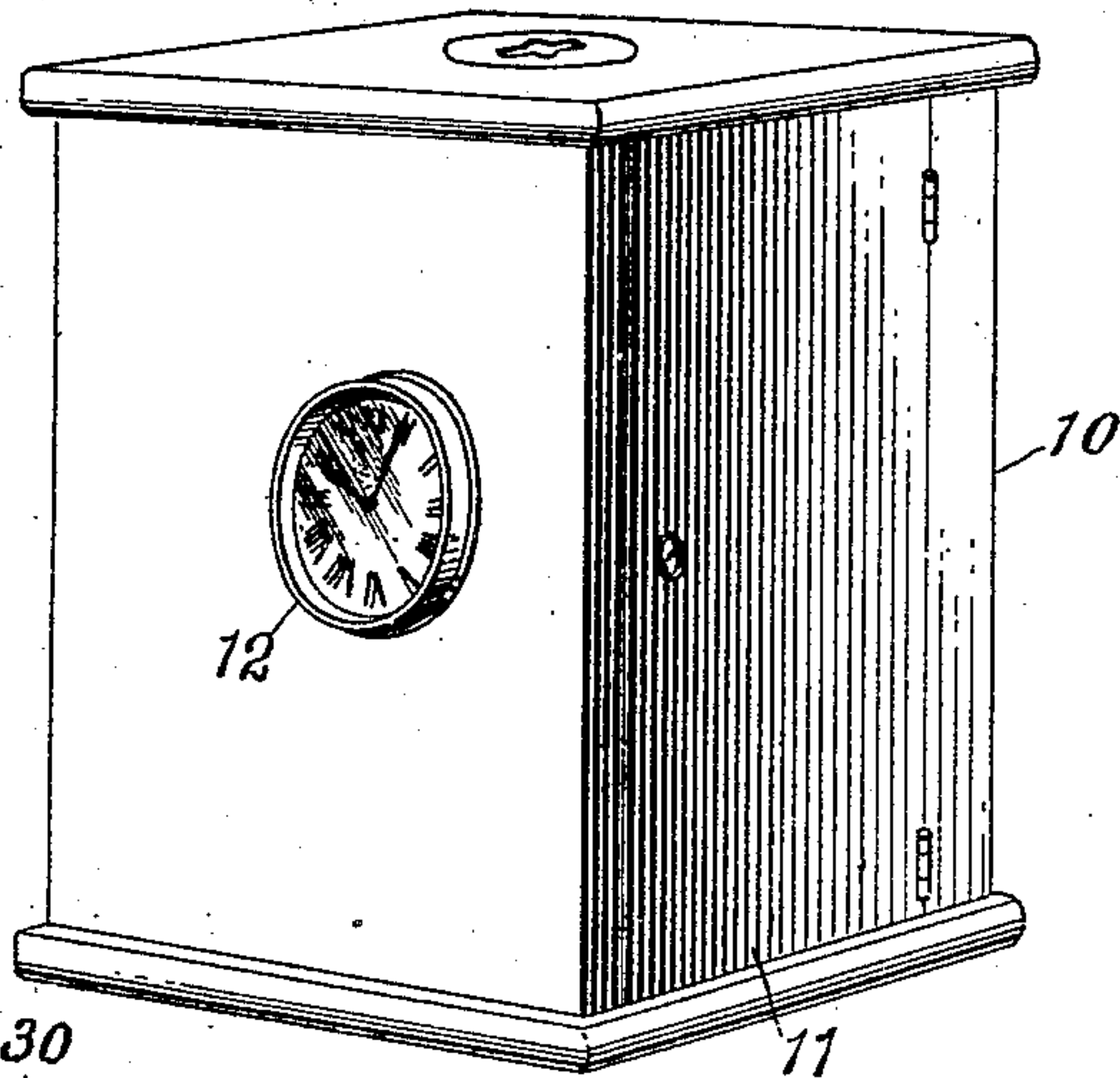


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LIGHT EXTINGUISHER.  
APPLICATION FILED AUG. 8, 1908.

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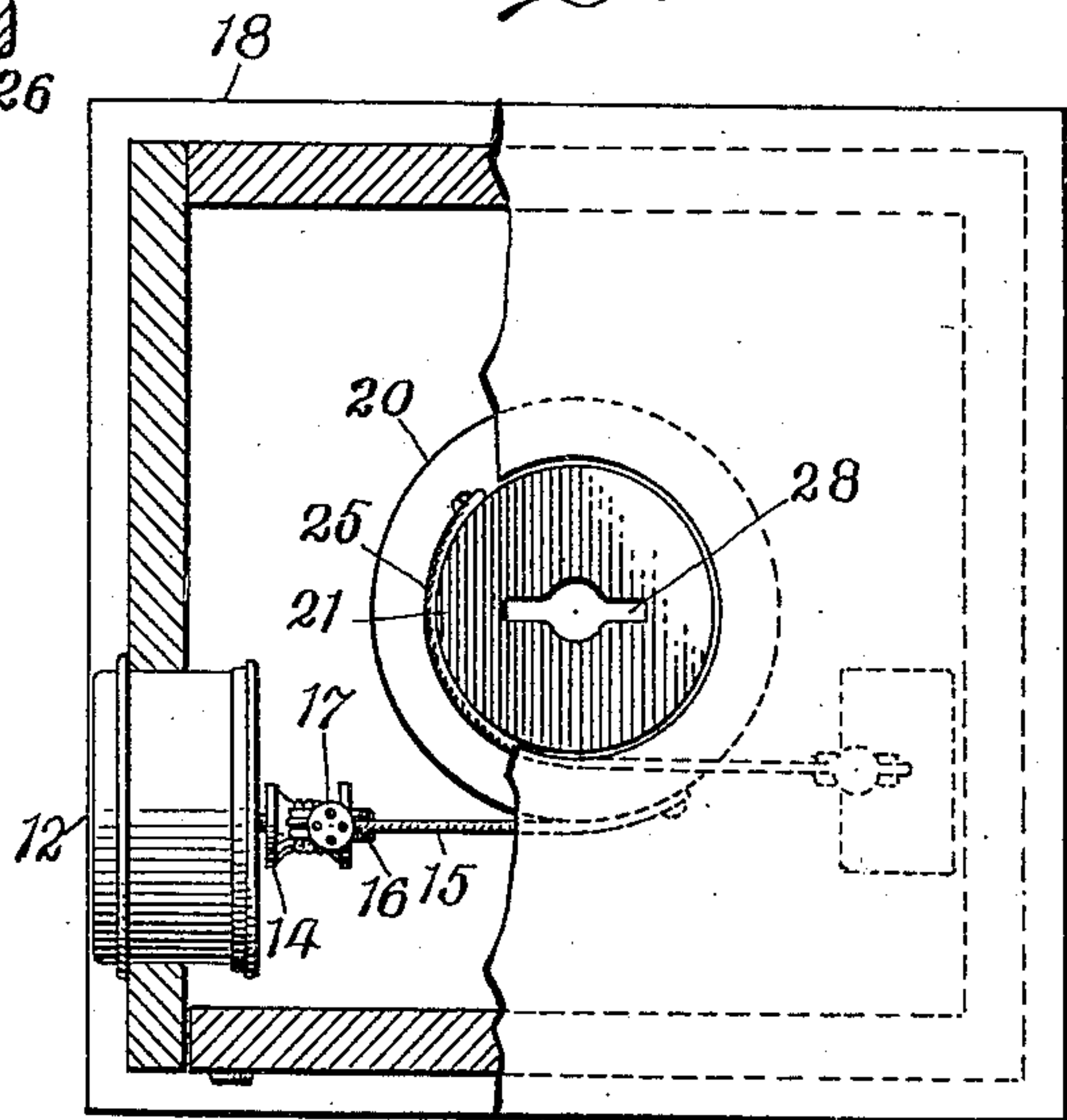
Patented Dec. 14, 1909.

*Fig. 1.*



*Fig. 2.*

*Fig. 3.*



Witnesses:  
*Julius F. [Signature]*  
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Inventor  
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By his Attorneys  
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# UNITED STATES PATENT OFFICE.

JOSEPH HENRY BURDOCK, OF ALBIA, IOWA.

LIGHT-EXTINGUISHER.

943,176.

Specification of Letters Patent.

Patented Dec. 14, 1909.

Application filed August 8, 1908. Serial No. 447,624.

*To all whom it may concern:*

Be it known that I, JOSEPH HENRY BURDOCK, a citizen of the United States, and a resident of Albia, county of Monroe, and State of Iowa, have invented certain new and useful Improvements in Light-Extinguishers, of which the following is a full, clear, and exact description.

This invention relates more particularly to a device for extinguishing the lights in stores at a given time.

The primary object of the invention is to provide simple and efficient means whereby the gas or other lights of a store or other building may be automatically extinguished at a given time, thus saving in the consumption of the gas or other lighting means without requiring the attendance of any person as is the usual case where it is desired that one or more lights burn at night in a store or other location, and which should be extinguished as soon as it is daylight.

A further object of the invention is to provide a simple device which may be easily constructed and arranged convenient to the source of light supply, and which is adapted to automatically control the lighting means.

With these and other objects in view, the invention will be hereinafter more particularly described with reference to the accompanying drawings, which form a part of this specification, and will then be pointed out in the claims at the end of the description.

In the drawings, Figure 1 is a perspective view of one form of device embodying my invention. Fig. 2 is a vertical section, partly in elevation, showing one application of the device; and Fig. 3 is a plan view, partly in section, of the device.

The casing 10 may be of any suitable material and of any desired size and form. As shown it is substantially rectangular, and is provided with a door 11 which may be locked to prevent access thereto except through a proper key, and at one side of the casing is a clock 12. This clock 12 may be of the usual alarm type which may be set to release a shaft 13 instead of ringing the alarm at any desired time, though instead of a clock any suitable mechanism may be employed.

The shaft 13 is provided with a spool or drum 14, and held to the drum is a cord or other flexible connection 15 which is adapt-

ed to pass around a sheave or pulley 16 suitably held in a bracket 17 extending downward from the top 18 of the casing. One end of the flexible connection 15 is fastened to a drum 19, and this drum 19 comprises two parts 20 and 21, one of which, as 20, may be larger than the other, and to said part 20 one end of the flexible connection 15 is secured. The drum is provided with a shaft 22, and this shaft has a bearing at one end in a bracket 23 and the bearing for the other end of the drum is formed by the top 18 in which is an opening 24 of the size of the part 21 of the drum 19 so that the latter will properly rotate therein, and to the part 21 of the drum is secured one end of a flexible connection or cord 25 which passes around a sheave or pulley 26 journaled in a bracket 26<sup>a</sup> and to the opposite end of the flexible connection 25 is fastened a weight 27. As will be seen when the time at which the clock is set to release the shaft 13 arrives, the said shaft will rotate and by reason of the weight 27 and the drum 19 will be rotated in its bearings, the said drum being normally held against rotation and against the action of the weight 27 by reason of the clock mechanism which holds the shaft 13 from rotating.

As a means for causing the drum to automatically extinguish the light or lights, I provide the drum 19 with a slot or recess 28 which is adapted to receive the handle 29 of the usual gas cock 30 which is adapted to control one or more burners 31. When the lights are burning, the drum is held against rotation by the action of the weight 27, or a spring if such is used, by means of the clock mechanism and the shaft 13, but as soon as the shaft 13 is released, the weight 27 will rotate the drum and will impart a movement to the handle 29 of the gas cock 30 and shut off the gas supply at the time the mechanism of the clock is set.

The part 20 of the drum 19 may be provided with a plurality of openings 32 which are spaced apart around the periphery thereof, and are adapted to receive a plug in the end of the cord 15 so as to position the drum to permit the handle 29 of the cock 30, or other regulating means, to cause the light or lights to be adjusted to any desired degree according to the opening in which the plug in the cord 15 is inserted.

While I have shown the invention as applied to extinguishing a light caused from a



single burner, it will be understood that the controlling means may be set to govern a number of lights, and that instead of controlling the gas supply, the device may be  
5 made to control electric lights by having the same operate a suitable switch instead of a gas cock or valve.

From the foregoing it will be seen that a simple device is provided whereby lights  
10 may be automatically extinguished at any desired time without the presence of any attendant, thus economizing in the use of the light-supplying medium; that said device is easily constructed and may be readily ap-  
15 plied in various ways and means, and that said device is so made that it may be readily removed and the lights controlled in the usual way.

Having thus described my invention, I  
20 claim as new and desire to secure by Letters Patent:—

1. In a device of the character described, the combination with a casing, of a two-part drum journaled therein and having one face  
25 provided with means for engaging a controlling device, a flexible connection secured at one end to a part of the drum, a weight secured to the other end of said flexible con-  
30 nected at one end to the other part of the drum, a shaft, means carried by the shaft to which the other end of the flexible connection is held, and time mechanism for releasing the shaft.

35 2. In a device of the character described, the combination with a casing, of a drum journaled therein and having one face provided with means for engaging a controlling

device, a weight for operating the drum in one direction, a flexible connection connected  
40 at one end to the drum, a shaft, means carried by the shaft to which the other end of the flexible connection is held, and time mechanism for releasing the shaft.

3. In a device of the character described, the combination with a gas cock, of a casing,  
45 of a two-part drum journaled therein and having a slot in which a part of the cock is adapted to fit, a flexible connection secured at one end to a part of the drum, a weight  
50 secured to the other end of said flexible connection, a second flexible connection connected at one end to the other part of the drum, a shaft, a spool carried by the shaft  
55 to which the other end of the flexible connection is held, and clock mechanism for releasing the shaft at a predetermined time to close the cock and extinguish the light.

4. In a device of the character described, the combination with a casing, of a two-part  
60 drum journaled therein and having one face provided with means for engaging a controlling device, a flexible connection secured at one end to one part of the drum, a weight  
65 secured to the other end of said flexible connection, a shaft, a second flexible connection secured at one end to said shaft and at the other end to the other part of said drum, and  
70 means for releasing the shaft at a predetermined time.

This specification signed and witnessed  
this third day of August A. D. 1908.

JOSEPH HENRY BURDOCK.

Witnesses:

AUGUST LINDQUIST,  
RAY W. HEMMINGS.