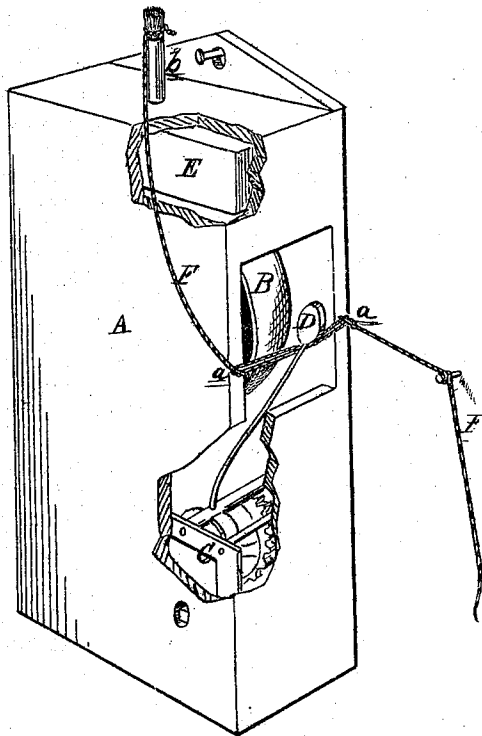


F. F. HERMAN.

Fire Alarm.

No. 124,680.

Patented March 19, 1872.



ATTEST:
Myron A. Church
H. F. Everts

INVENTOR:
F. F. Herman
per Atty
Thos. S. Sprague

UNITED STATES PATENT OFFICE.

FREDERICK F. HERMAN, OF GRAFTON, MICHIGAN.

IMPROVEMENT IN FIRE-ALARMS.

Specification forming part of Letters Patent No. 124,680, dated March 19, 1872.

To whom it may concern:

Be it known that I, FREDERICK F. HERMAN, of Grafton, in the county of Monroe and State of Michigan, have invented a new and useful Improvement in a Fire-Alarm; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon and being a part of this specification, in which my invention is shown in perspective with a portion of the casing broken away.

The nature of this invention relates to a fire-alarm in which the burning of a gun-cotton cord lights a lamp; and it consists in the employment of the lamp in that connection and the arrangement of the several parts.

In the drawing, A represents the casing of the alarm, which should be secured to the wall of the principal sleeping room, or in a room that is always occupied. B is a gong-bell, which, with the working parts, is placed within the casing. C is an ordinary clock-alarm, actuating a hammer, D, which strikes the gong when the detent of the alarm is released. One side of the casing is left open, and at either side of said opening is a stud, *a*. E is a lamp, secured in the upper part of the casing, through the top of which the wick-tube *b* projects.

The lamp should be supplied with the hydrocarbon oil of commerce, as it does not become thick in time, and ignites readily.

Preferably, I employ a cord or yarn of gun-cotton in setting the alarm in the following manner: I first take several turns of the cord F around the projecting end of the wick of the lamp and then lead it to and secure it to one of the studs *a*; I draw back the hammer as far as possible and stretch the cord to the other side and secure it to the stud, passing between the hammer and gong, so as to hold it away from the latter when the clock-work should be wound up by its proper key. The cord may now be led to and around every room in the building, following the wood-work where it would be most likely to take fire, and may be secured from accident in any convenient manner. Should a fire commence in any room it would soon reach the cord and fire it, when it will rapidly burn to the casing, setting free the hammer to sound the alarm and awake the sleeping occupants, while it also lights the lamp which many persons would be unable to do in their bewildering fright on such an occasion.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination, with an alarm, of the gun-cotton cord F, constructed as described, and connected directly to the wick of the lamp E, as and for the purpose set forth.

Witnesses: FRED. F. HERMAN.

H. F. EBERTS,
MYRON H. CHURCH.