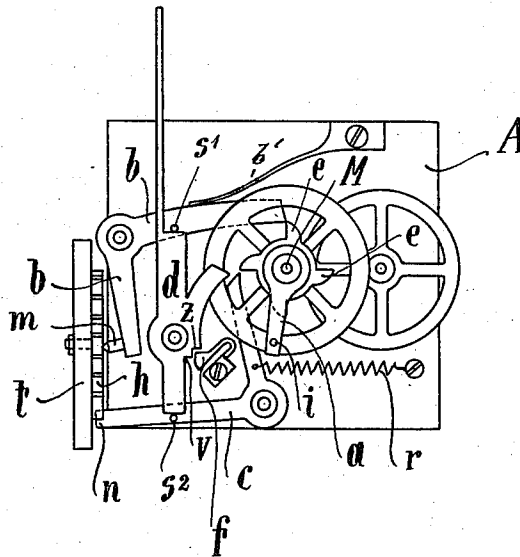


G. STOCKER.
 AUTOMATIC CARTRIDGE EXPLODING DEVICE.
 APPLICATION FILED JULY 5, 1911.

1,013,967.

Patented Jan. 9, 1912.



Witnesses:
 Katherine Koch
 Daniel Holmgren

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 by his attorneys
 Brierly & Jumble

UNITED STATES PATENT OFFICE.

GEORG STOCKER, OF HANAU, GERMANY.

AUTOMATIC CARTRIDGE-EXPLODING DEVICE.

1,013,967.

Specification of Letters Patent.

Patented Jan. 9, 1912.

Application filed July 5, 1911. Serial No. 636,947.

To all whom it may concern:

Be it known that I, GEORG STOCKER, a subject of the German Emperor, residing at Hanau-on-the-Main, Germany, have invented a new and Improved Automatic Cartridge-Exploding Device, of which the following is a specification.

This invention relates to an automatic cartridge exploding device, which is adapted to automatically explode a number of cartridges after the lapse of a predetermined time.

The invention is well adapted to be applied for signaling purposes, for scaring birds, for firing consecutive shots and for similar purposes.

The accompanying drawing represents an elevation of an automatic exploding device embodying my invention.

Upon the arbor M of a suitable clockwork A is mounted a wheel *e* having a number of spaced teeth. These teeth are adapted to successively engage one arm of a two arm feed lever *c* influenced by spring *r* and engaging with its end *n* a ratchet wheel *h* carried by the cartridge drum *t*. Wheel *e* is also adapted to engage one arm of a two arm exploding lever *b* influenced by spring *b'* and carrying on its other arm a firing pin *m*, adapted to set off the cartridges of drum *t*. Levers *c*, *b* are normally locked in position by a lever *d*, having a freely accessible handle and simultaneously engaging pins *s*², *s'* of said levers. In its locking po-

sition, lever *d* is held by a spring catch *v* entering a notch *z* of said lever. In order to swing lever *d* out of engagement with levers *c*, *b*, an arm *a* of the hour wheel is provided with a pin *i* which is adapted to strike a projection of lever *d*, at the lapse of a predetermined time. The length of this time may be readily varied by setting arm *a* into closer or greater proximity with said projection. When pin *i* engages lever *d*, it will so tilt the same that catch *Z* will enter a second notch *v* of the lever and that pins *s*² and *s'* are liberated. In this way the continued movement of the clock work, will by toothed wheel *e*, advance and set off successive cartridges of drum *t* as will be readily understood.

I claim:

A device of the character described, comprising a clockwork, a cartridge drum, a cartridge drum feed lever and an exploding lever operated by the clockwork, a locking lever adapted to simultaneously engage the feed lever and exploding lever, and clock-actuated means for tilting said locking lever out of said engagement.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

GEORG STOCKER.

Witnesses:

R. PAUL THOMPSON,
ROBERT J. THOMPSON.

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