

E. T. CLEGG.
 Burglar Alarm.
 No. 109,588.
 Patented Nov. 29, 1870.

Fig. 1.

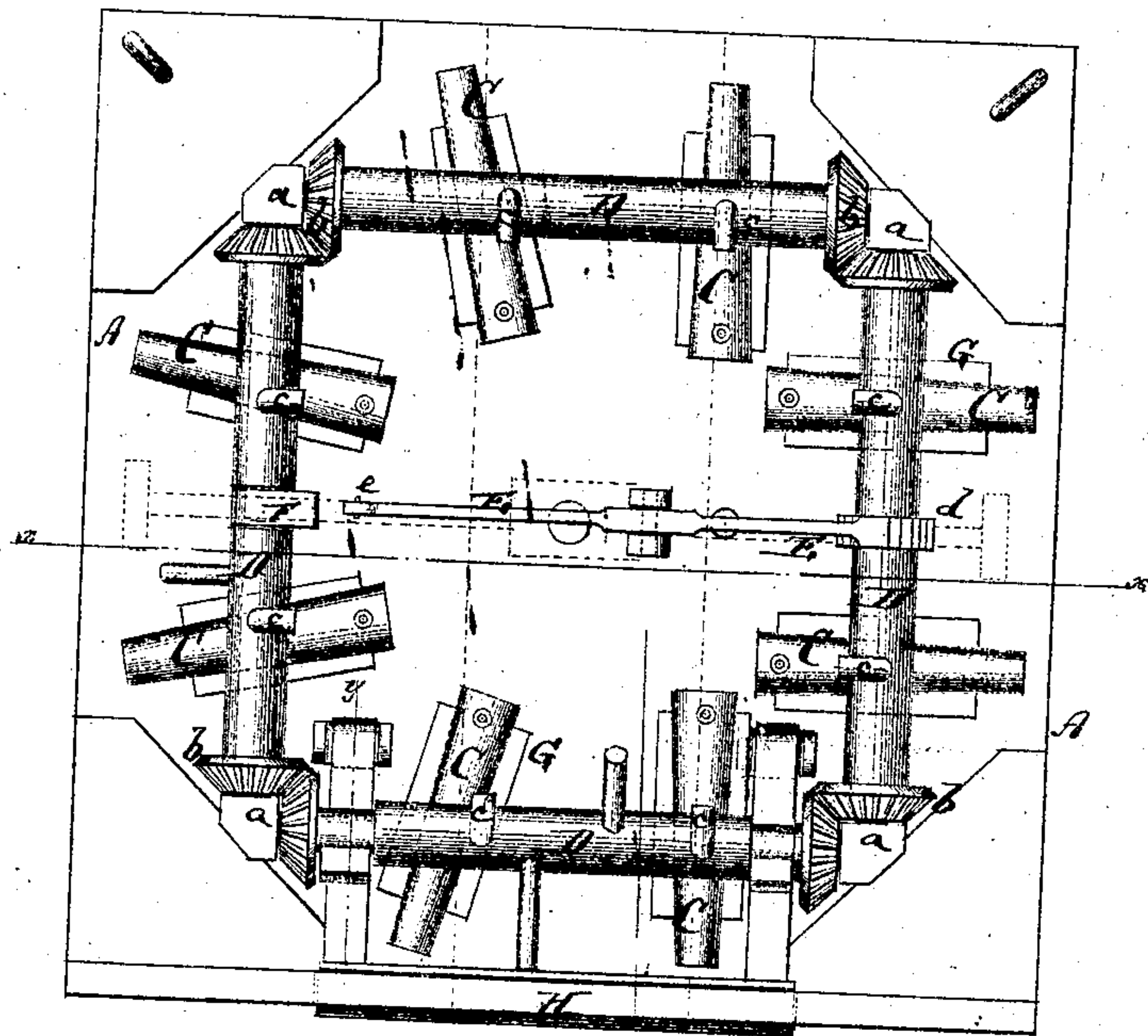


Fig. 2.

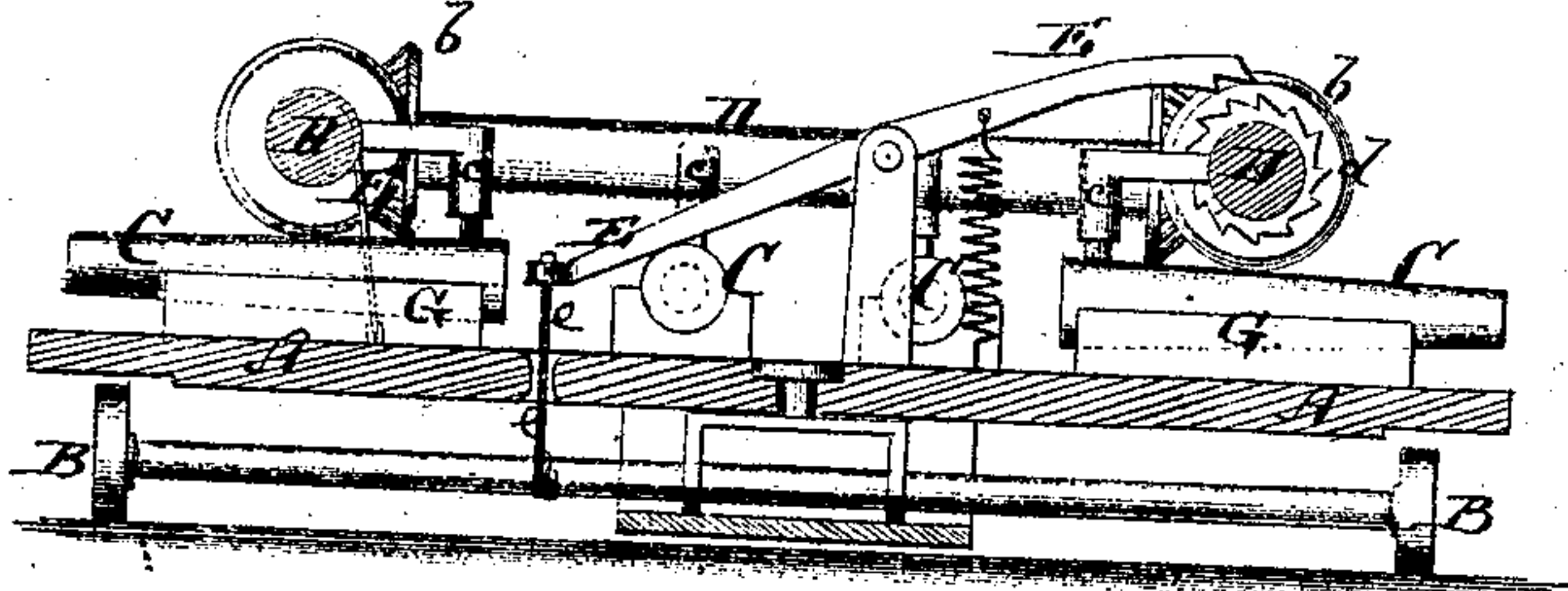
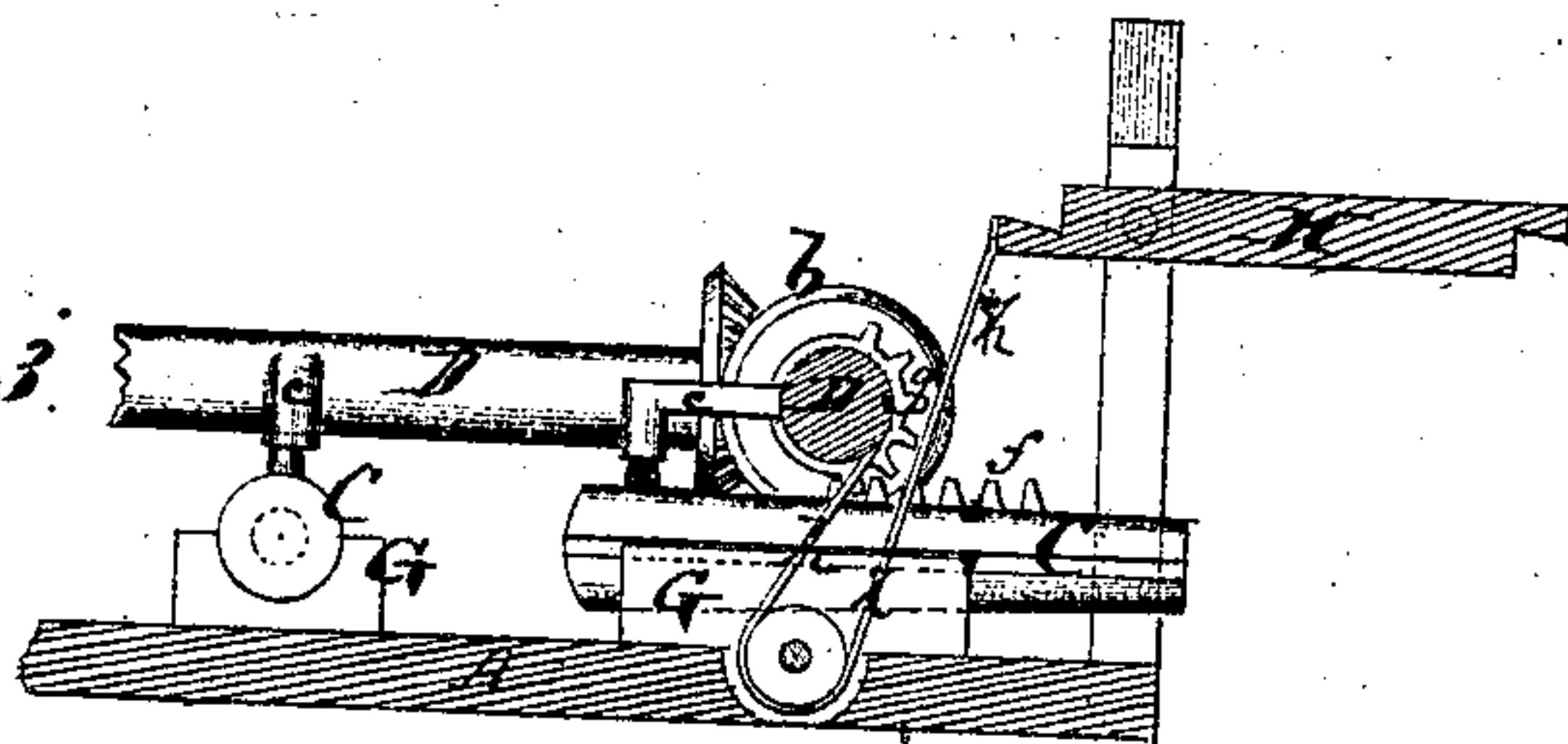


Fig. 3.



Witnesses:
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EDWARD T. CLEGG, OF NORTH HARPERSFIELD, NEW YORK.

Letters Patent No. 109,588, dated November 29, 1870.

IMPROVEMENT IN BURGLAR-ALARMS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, EDWARD T. CLEGG, of North Harpersfield, in the county of Delaware and State of New York, have invented a new and improved Burglar Alarm-Gun; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which—

Figure 1 represents a plan or top view of my improved burglar-alarm gun.

Figure 2 is a vertical sectional view of the same, taken on the plane of the line *x x*, fig. 1.

Figure 3 is a detail vertical section of the same, taken on the plane of the line *y y*, fig. 1.

Similar letters of reference indicate corresponding parts.

This invention relates to a new burglar-alarm gun, which is so constructed that it will be operated when set in motion, and not otherwise.

The instrument is applicable to buildings, gardens, &c., and may also be placed in money-safes and vaults.

A in the drawing represents the frame or platform of my improved alarm apparatus.

The same rests upon wheels B B, on which it can easily be moved.

Upon the platform are secured eight, more or less, guns, C C, pointing in several directions.

D D are a series of rock-shafts hung in ears *a a* that project vertically from the platform A.

All the shafts D are connected with each other by gear-wheels *b b*, so that they will turn simultaneously.

From the shafts D project arms *c c*, which constitute the hammers for discharging the guns.

One of the shafts D carries a ratchet-wheel, *d*, which is locked by a spring pawl, E.

A main spring, F, is connected with one of the shafts D.

When the arms *c* are swung up vertically for setting the alarm, the spring F will be wound up, and will, as soon as the pawl E is lifted off the ratchet-wheel, turn all the shafts, so as to violently carry the hammers *c* against the nipples of the guns, thereby exploding their charges.

The pawl E is made in form of a lever, which is, by means of a cord, *e*, connected with the axle of a wheel, B.

When the apparatus is moved the wheel turns and winds up the cord, thereby lifting the pawl off the ratchet-wheel and discharging the guns.

The apparatus is to be connected with a door or window, so as to be moved by the opening of the same with the aforementioned effect.

The guns C may be arranged to slide in tracks G, as in fig. 3, and may have racks *f* meshing into toothed wheels *g* on the shafts.

This will cause the guns to be thrown forward by the turning of the shafts preparatory to the explosion of the charge.

A gate, H, may be pivoted to a frame projecting from the platform, and connected, by cords or belts *h*, with one of the shafts D.

The gate, when swung down, will conceal the guns, preventing their muzzles from being seen.

When, however, the platform is moved, as aforesaid, the turning of the shafts will wind up the belts *h* and elevate the gate, as in fig. 3, to throw the guns into battery.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

1. The burglar-alarm placed upon wheels, and constructed so that it will be discharged by the rotation of the said wheels, as set forth.

2. The rock-shafts D, carrying the hammers *c*, and geared together to move simultaneously, substantially as herein shown and described.

3. The spring F, combined with the rock-shafts D, guns C, for the purpose of throwing all the hammers at once, as set forth.

4. The lever-pawl E, locking the shafts D, and connected with the supporting-wheels B of the platform, substantially as herein shown and described.

5. The sliding guns C, provided with racks *f* which mesh into toothed wheels *g* on the shafts D, substantially as specified.

6. The swinging gate H, connected with the hammer-shafts D, substantially as and for the purpose herein shown and described.

EDWARD T. CLEGG.

Witnesses:

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