

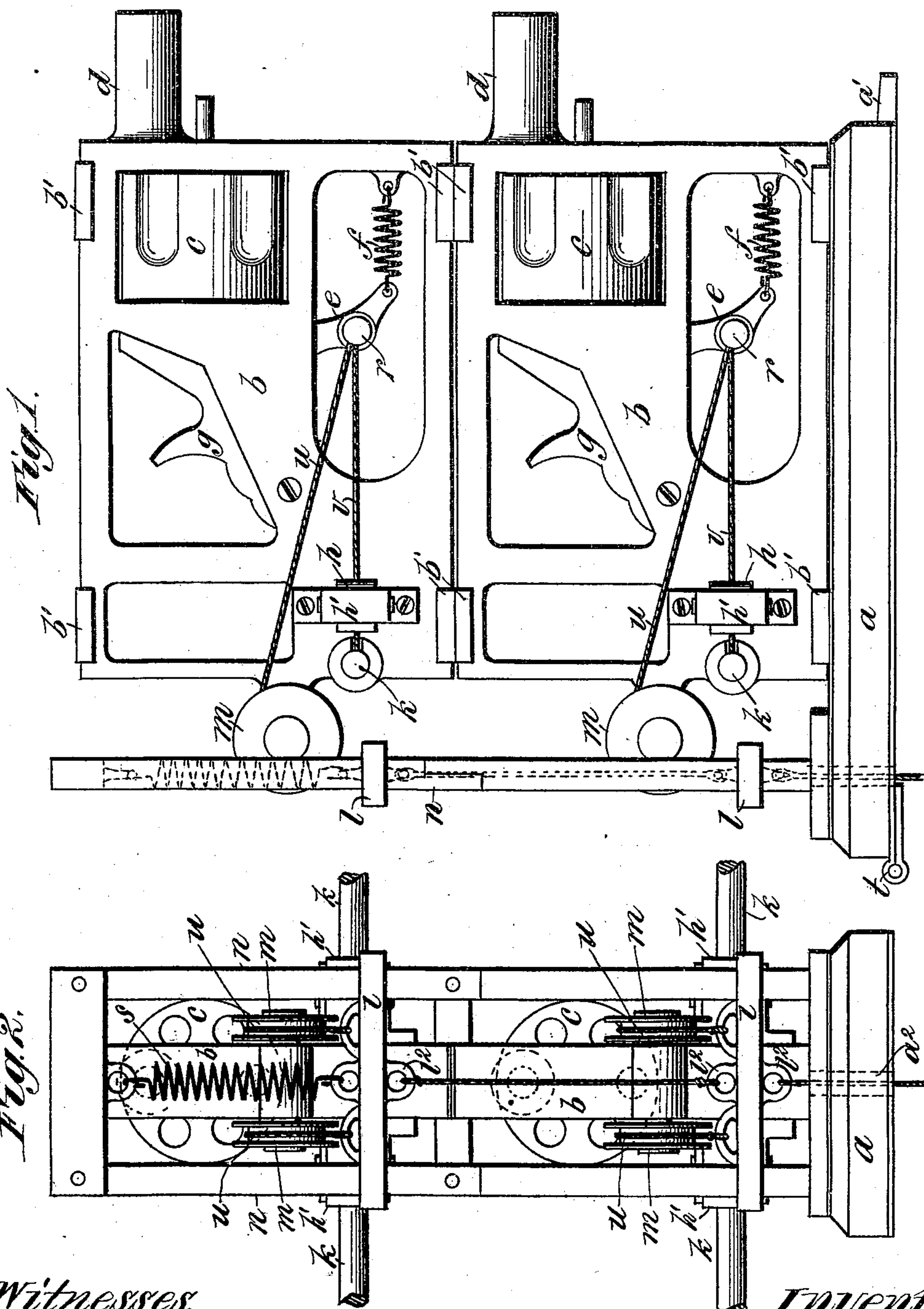
(No Model.)

2 Sheets—Sheet 1.


J. C. CLEMMENSEN.
BURGLAR ALARM.

No. 549,441.

Patented Nov. 5, 1895.



Witnesses:
Robert Everett,
Thos A. Emme


Inventor.
Julius C. Clemmensen.
By
Walter H. Cook
Atty.

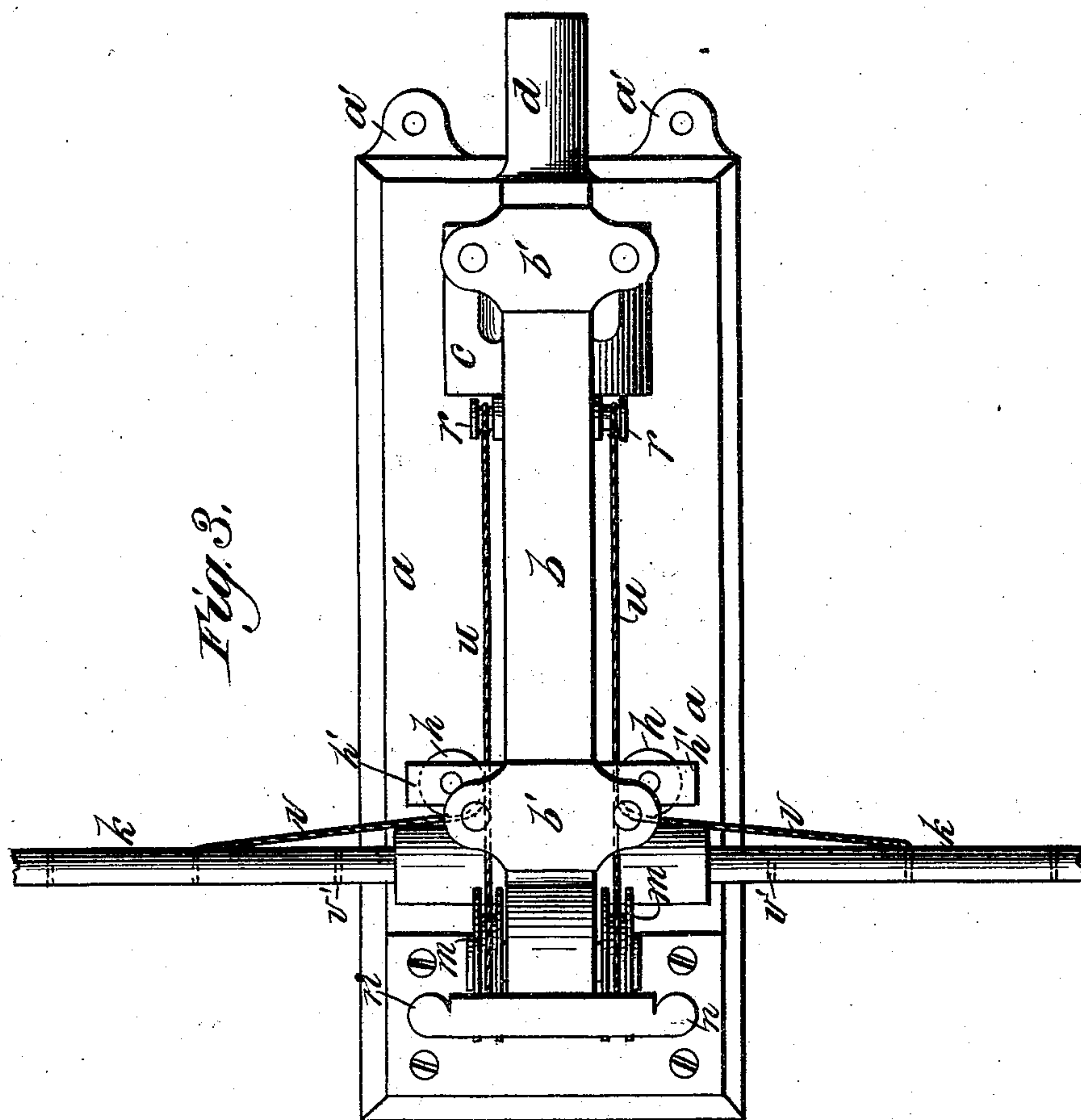
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BURGLAR ALARM.

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No. 549,441.

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Witnesses:
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Atty.

UNITED STATES PATENT OFFICE.

JULIUS CRISTUPF CLEMMENSEN, OF NEW ORLEANS, LOUISIANA.

BURGLAR-ALARM.

SPECIFICATION forming part of Letters Patent No. 549,441, dated November 5, 1895.

Application filed June 4, 1895. Serial No. 551,653. (No model.)

To all whom it may concern:

Be it known that I, JULIUS CRISTUPF CLEMMENSEN, a citizen of the United States, residing at New Orleans, in the parish of Orleans and State of Louisiana, have invented certain new and useful Improvements in Burglar-Alarms; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

This invention relates more particularly to that class of firearms wherein a rotating cylinder carrying cartridges is arranged in a frame having a barrel and firing mechanism similar to an ordinary revolver.

The chief object of my invention is to provide a new and improved firearm which can be rapidly and repeatedly fired and is particularly designed for protecting banks, safes, railway-trains, and the like from burglars or robbers.

The invention also has for its object to provide novel, simple, and efficient means whereby the trigger of the firearm can be rapidly actuated to discharge the firearm by a person stationed at some point remote from the trigger, or by a chain or cord, or by a movable platform or trap susceptible of being unconsciously worked by a burglar, robber, or intruder.

To accomplish these objects my invention involves the features of construction, the arrangement or combination of parts, and the principles of operation hereinafter described and claimed, reference being made to the accompanying drawings, in which—

Figure 1 is a side elevation of sufficient of the improved firearm to enable the same to be clearly understood. Fig. 2 is a rear end elevation of the same, and Fig. 3 is a top plan view.

In order to enable those skilled in the art to make and use my invention, I will now describe the same in detail, referring to the drawings, wherein the letters *b* indicate carriages or frames arranged one upon the other, the lower one being secured to and supported by a base-frame *a*, having perforated lugs *a'*

at its front end adapted to be detachably secured to some fixed object. The rear end of the base-frame is provided with a hinged joint *t*, so that by unfastening the lugs *a'* from the fixed object the base-frame and the gun carriages or frames *b* can be tilted rearward for the purpose of facilitating the discharge of the cartridge-shells and for other purposes. Any desired number of carriages or frames *b* can be arranged in a vertical column, and other similar carriages or frames can be arranged side by side in such manner as to provide a large number of gun carriages or frames, built to any height and extended to any width.

The carriages or frames *b* are each provided with a gun-barrel *d*, a rotary cartridge-holder *c*, a pivoted trigger *e*, and a hammer *g*. The trigger and hammer mechanism may be of the construction ordinarily used in a revolver, so that the cartridge-holder *c* is intermittently rotated by the trigger mechanism to successfully place the cartridges in alignment with the gun-barrel *d*.

The trigger of each cartridge-holder is provided with oppositely-projecting studs *r*, extended laterally beyond the vertical side surfaces of the carriage or frame *b*, as will be clearly understood by reference to Fig. 3, and each trigger is connected by a spring *f* with the carriage or frame *b*, so that after the trigger has been drawn rearward to discharge the firearm the spring will restore the parts to normal position.

The hammer of each firearm may be cocked by hand, or it may be cocked and released like a self-acting pistol.

The upper and lower edges of each carriage or frame *b* are provided with lateral lugs *b'*, having screw-holes, whereby a gang of carriages or frames can be detachably bolted together. The lateral lugs *b'* of the lowermost carriage or frame are designed to be bolted to the base-frame *a*.

The carriages or frames are each provided at opposite sides with rollers *h*⁶, journaled in brackets *h'*, screwed to the carriage or frame, and each of the latter is also provided with a transverse horizontally-sliding bar or rod *k*, adapted to be reciprocated in any suitable

manner or by any suitable means. In juxtaposition to each transverse horizontally-sliding bar or rod k the carriage or frame is provided with bearings in which a guide pulley or roller m is journaled. The pulley or roller is preferably grooved in its periphery, so that it will accurately guide chains or cords w , connected with the laterally-projecting studs r of the trigger e , passed over the said pulley or roller m and connected with a bar or rod l , adapted to move vertically on and be guided by perpendicular guide-rods n from and secured to the base-frame a . The lateral studs r of each trigger e are also connected with chains or cords v , passed around the guide-rollers h and extending in opposite directions, one chain or cord being secured to a transverse horizontally-sliding bar or rod k at one side of the firearm and the other chain or cord being secured to said bar or rod at the opposite side of the firearm.

The bars or rods k are each provided at their opposite end portions with a plurality of holes v' , so that the chains or cords v can be adjustably secured to the bar or rod any suitable distance from the guide-rollers h .

The bars or rods k are designed to be reciprocated horizontally for operating the triggers e , and the purpose of the chain or cord connections v is that the triggers will be actuated whenever the bars or rods are moved in either direction. The bars or rods can be extended to any desired position, so that the firearm can be discharged by a person stationed at some point remote from the firearm.

I do not confine myself to any particular manner of moving the rod, as many mechanical contrivances not necessary to describe or illustrate can be employed for the purpose. The triggers e are also designed to be operated to discharge the firearm by the action of either one of the vertically-movable bars or rods l , which, as before stated, are movable on the perpendicular guide-rods n . The vertically-movable bars or rods l are designed to be raised automatically through the medium of springs, one of which is indicated by the letter s in Fig. 2, so that after the bar or rod has been depressed to actuate a trigger e and the bar or rod is released it will be automatically raised by the spring s .

The bars or rods l are designed to be depressed by suitable chains or cords connected with eyes l^2 , provided on the bars or rods, the chain or cord from the lowermost bar or rod being preferably extended through an orifice a^2 , formed in the base-frame a .

The number of horizontally-sliding bars or rods k and vertically-movable bars or rods l will correspond with the number of gun carriages or frames b , and the latter may be increased indefinitely, so that a very large battery of rapid-firing guns can be provided in

a bank or on a train for protection against burglars or robbers.

Where a large number of vertically-movable bars or rods l are employed, they will be connected with one another by cords or chains extending from the eye l^2 on the lower side of one bar or rod to the eye l^2 on the upper side of another bar or rod, as will be obvious without further explanation.

The hinge t of the base-frame permits the entire battery to be swung to an approximately vertical position whenever it is desired to remove empty cartridge-shells, or for any other purpose.

The lugs a' of the base-frame may be secured to the fixed object by thumb-screws passing through the perforations in the lugs; but further illustration is deemed unnecessary, inasmuch as the base-frame can be secured to the fixed object by any suitable devices for the purpose in hand.

The carriages or frames b are constructed with suitable openings, so that they are practicably skeleton frames, and they are of comparatively narrow width, so that a very large number can be arranged columnwise in a vertical plane, and other carriages or frames added to the sides thereof for the purpose of extending the battery sidewise to any desired extent.

The construction of the carriages or frames in such manner that any desired number can be added or removed from the battery is a feature which I regard of advantage and of considerable importance.

Having thus described my invention, what I claim is—

1. The combination in a fire-arm, of a carriage or frame having a gun-barrel, firing mechanism, laterally arranged guide-rollers, and a transverse, horizontally-sliding bar or rod, and chains or cords connected with the firing mechanism, passing around the laterally arranged guide-rollers and secured to the horizontally-sliding bar or rod, substantially as described.

2. The combination in a fire-arm, of a carriage or frame having a gun-barrel, firing mechanism, and horizontally and vertically rotating guide-rollers, a transverse, horizontally-sliding bar or rod, a vertically sliding bar or rod, and chains or cords connected with the firing mechanism, passing around said guide rollers, and connected with the horizontally and vertically-sliding bars or rods, substantially as described.

3. The combination in a fire-arm, of a plurality of carriages or frames provided with laterally-projecting lugs, adapted to be detachably bolted together, a base-frame carrying the series of carriages or frames, and hinged at one end, a gun-barrel or firing mechanism for each carriage or frame, movable bars or rods, and chains or cords connected with the firing mechanisms, and se-

cured to the movable bars or rods, substantially as described.

4. The combination in a fire-arm, of a carriage or frame having a gun-barrel, a cartridge-holder, a hammer, and a trigger, provided with lateral studs, chain or cord guides mounted on the carriage or frame, a movable bar or rod, and chains or cords secured to the lateral studs of the trigger, passing around

said guides, and connected with the said movable bar or rod.

In testimony whereof I have hereunto subscribed my name in the presence of two witnesses.

JULIUS CRISTUPF CLEMMENSEN.

Witnesses:

JAMES MULLEY,

R. E. L. C. RIES.