J. PACIFICO.

GUN.

APPLICATION FILED JUNE 30, 1919.

1,340,791.

Patented May 18, 1920.

3 SHEETS—SHEET 1.

Fig. 1.

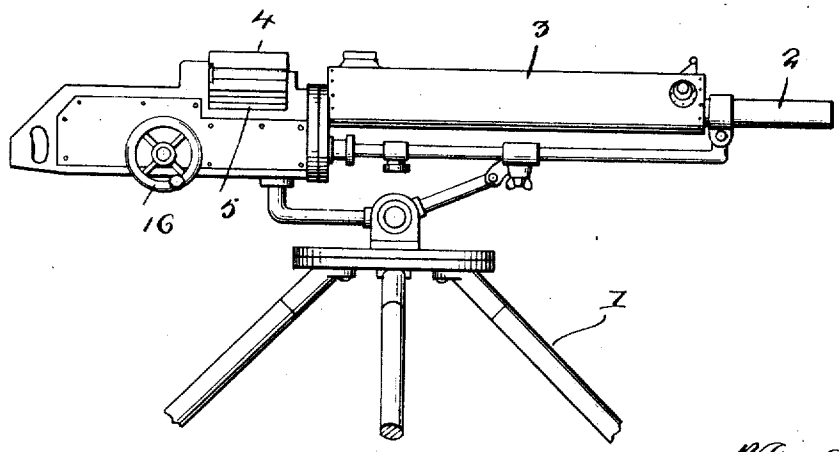


Fig. 7.

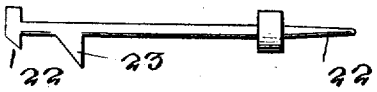
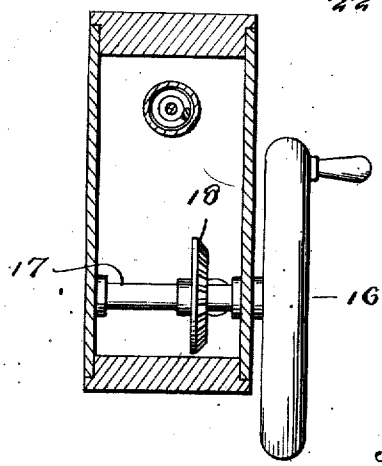


Fig. 6.



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3 SHEETS—SHEET 2.

Fig. 2.

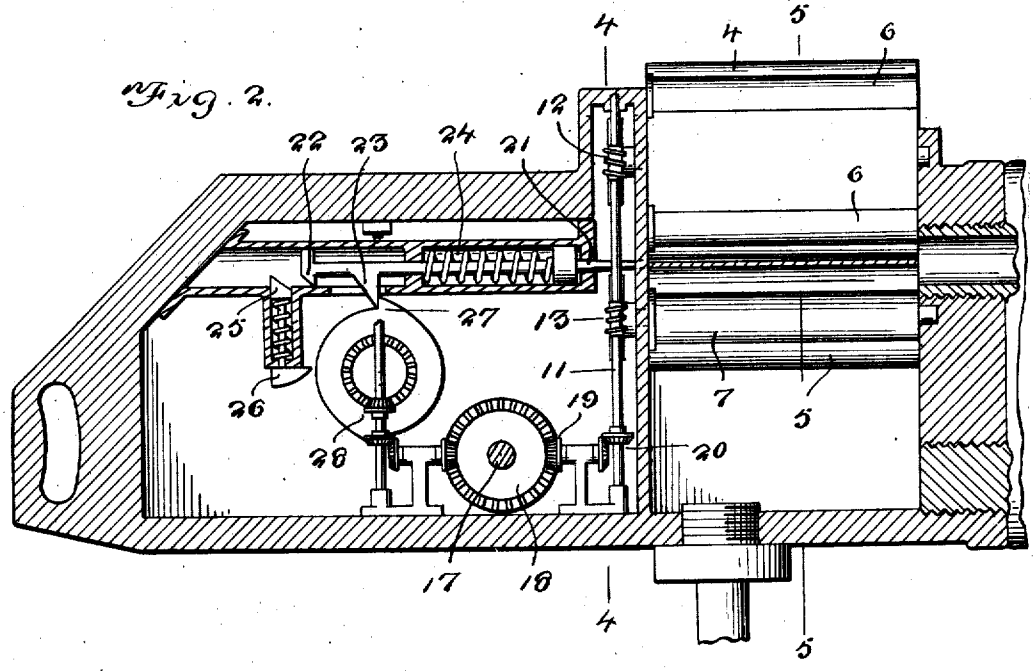
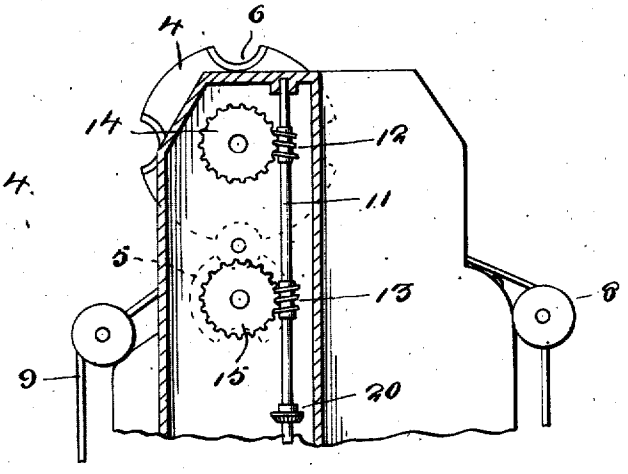


Fig. 4.



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3 SHEETS—SHEET 3.

Fig. 3.

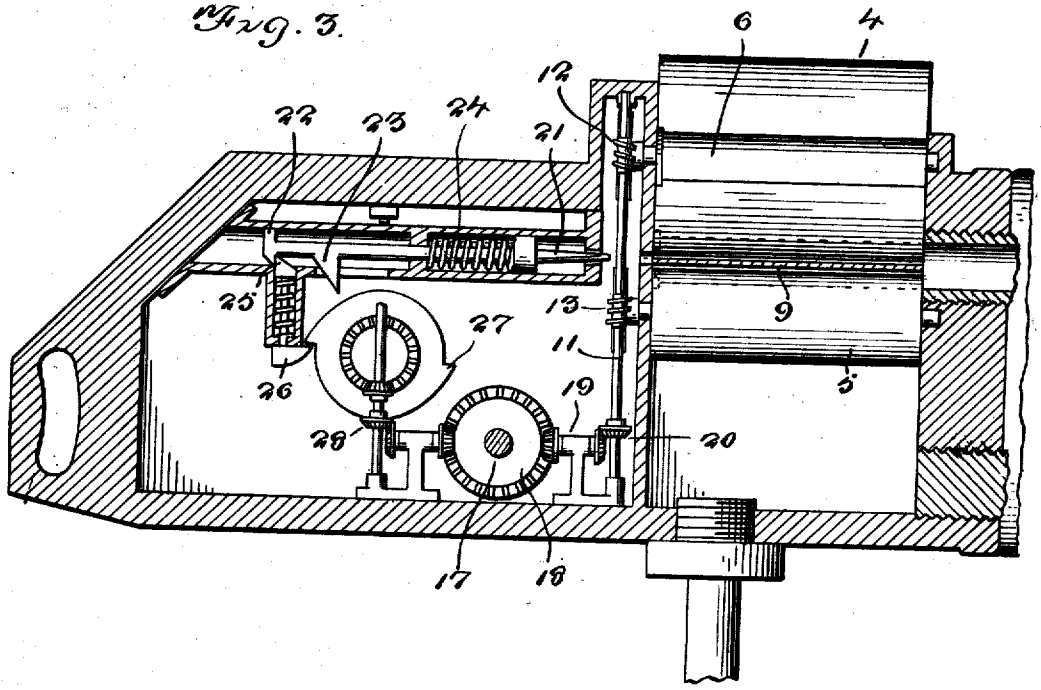
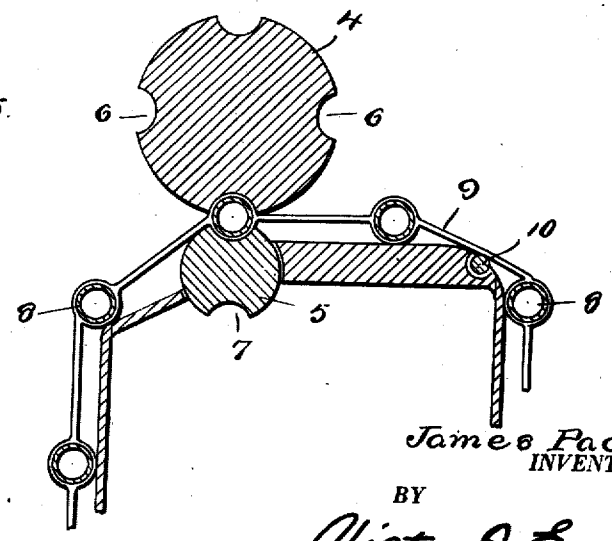


Fig. 5.



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UNITED STATES PATENT OFFICE.

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GUN.

1,340,791. Specification of Letters Patent. Patented May 18, 1920.

Application filed June 30, 1919. Serial No. 307,550.

To all whom it may concern:

Be it known that I, JAMES PACIFICO, a citizen of the United States, residing at Denver, in the county of Denver and State of Colorado, have invented new and useful Improvements in Guns, of which the following is a specification.

This invention relates to improvements in machine guns and the principal object of the invention is to provide a gun for shooting shot gun shells.

Another object of the invention is to provide a crank for operating means for feeding the shells into firing position, means for cocking the gun and means for firing the gun.

Another object of the invention is to provide a pair of drums which are provided with registering recesses in their peripheries to form chambers for receiving the shells and holding them while being fired.

The invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claim.

In describing my invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is a side view of a gun constructed in accordance with my invention;

Fig. 2 is a longitudinal section through the rear portion thereof;

Fig. 3 is a like view showing the parts in a different position;

Fig. 4 is a cross section on line 4—4 of Fig. 1;

Fig. 5 is a section on line 5—5 of Fig. 2;

Figs. 6 and 7 are detailed views.

In these views 1 indicates the supporting stand or tripod of the gun, 2 the barrel and 3 the water chamber. The gun is mounted on the tripod, in the usual manner, so that it may have turning movement thereon and also a swinging movement in a vertical plane. Within the breech chamber is located a pair of drums 4 and 5. These drums are arranged one above the other and are supported to rotate about a horizontal axis. The lower drum is of but half the size of the upper drum and said upper drum is provided with four semicircular recesses 6 in its periphery. These recesses extend from one end of the drum to the other and are located 45° apart. The lower drum 5 is provided with a pair of semicircular recesses 7 which are located at diametrically opposite points on said drum so that as the drums are rotated in unison the recesses in the lower drum will register with those in the upper drum to form a circular chamber and this chamber forms an extension of the barrel. The outer ends of the drums fit snugly against the outer wall of the breech chamber which receives the breech end of the barrel so as to prevent the escape of the gases between the said parts. The shells 8 are carried by the usual belt 9 and this belt is fed between the two rollers when the same are rotated so as to bring the cartridges within the chamber formed by the recesses 6 and 7. This belt is guided by the small rollers 10. The drums are rotated by means of the worm shaft 11 having the worms 12 and 13 thereon which engages the worm wheels 14 and 15 secured to the drums. This shaft 11 is rotated by a crank wheel 16, the shaft 17 of which has the beveled gear 18 secured thereon engaging with a like gear on a stub shaft 19 and this stub shaft is connected with the worm shaft 11 by the beveled gears 20. Thus when the crank is turned the worm shaft will be rotated so as to impart movement to the drums.

The firing pin 21 has a latch member 22 connected therewith and this latch member is provided with a lug 23. A spring 24 tends to hold the pin in firing position. A spring controlled sear 25 is adapted to engage with the latch member 22 to hold the firing pin in retracted position and this sear is provided with an extension having a lug 26 thereon. The lugs 23 and 26 are adapted to be engaged by a cam member 27 so as to retract the firing pin and to operate the sear to release the firing pin. This cam member 27 is actuated by the crank member by means of the shafts and gears 28.

It will thus be seen that when the crank is rotated the firing pin will first be forced into retracted position and said firing pin will be held in this position by the sear 25 engaging the latch member. As this movement is taking place the drums will be rotated so as to bring a cartridge into firing position. Upon the further rotation of the crank the

cam member will strike the lugs 26 and thus depress the sear to permit the firing pin to spring forwardly and thus fire the shell. Then the firing pin will be retracted again by the cam member striking the lug 23 and the drums will bring a new cartridge into firing position. Thus the gun will continue to fire as long as the shells are being fed thereto and the crank turned.

The shells or cartridges are made similar to the cartridges used in shot guns though I would prefer to use shot of larger size.

It is thought from the foregoing description that the advantages and novel features of my invention will be readily apparent.

I desire it to be understood that I may make changes in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claim.

What I claim is:—

A gun of the class described comprising a breech chamber, a pair of recessed drums therein, a belt containing shot gun cartridges, means for rotating the drums to feed the belt between them and to bring the recesses together to form a cartridge-receiving chamber, a crank connected with said drum-operating means, a horizontally and longitudinally movable firing pin, a sear for holding the pin in retracted position, and means operated by the crank for retracting the pin and withdrawing the sear.

In testimony whereof I affix my signature.

JAMES PACIFICO.