Aug. 5, 1941 A. R. DEL CAMPO, JR 2,251,271

GUNRACK

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Fig. 2.

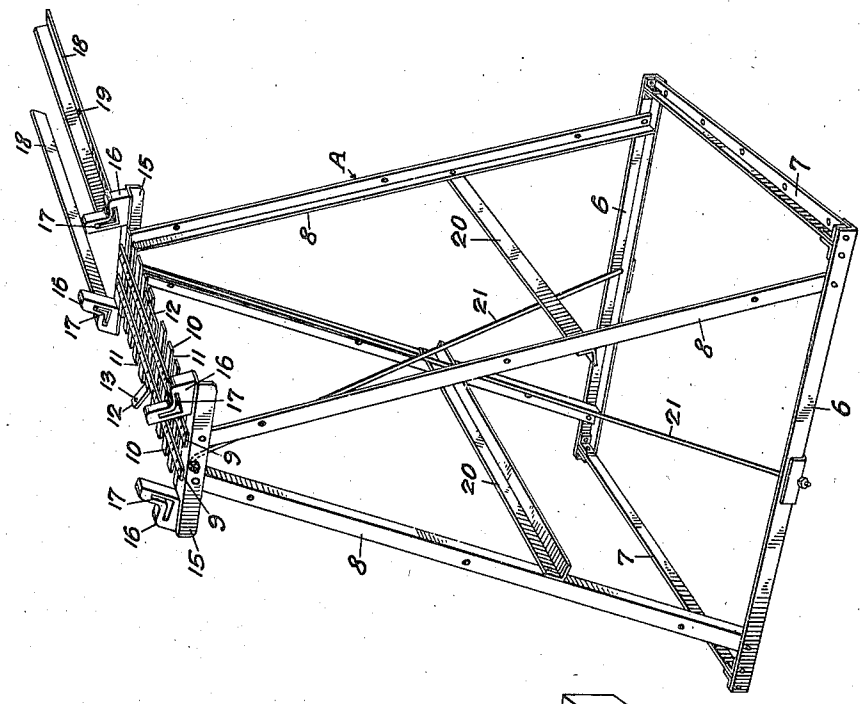
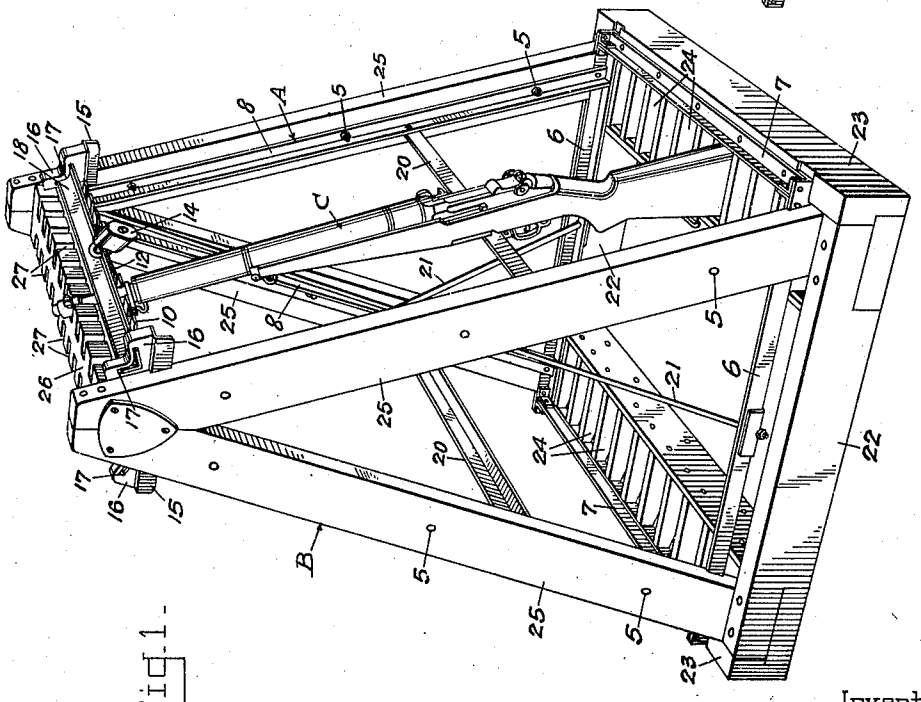


Fig. 1.



Inventor
Angelo R. Del Campo, Jr.
By G. J. Kesenich & J. H. Church
Attorneys

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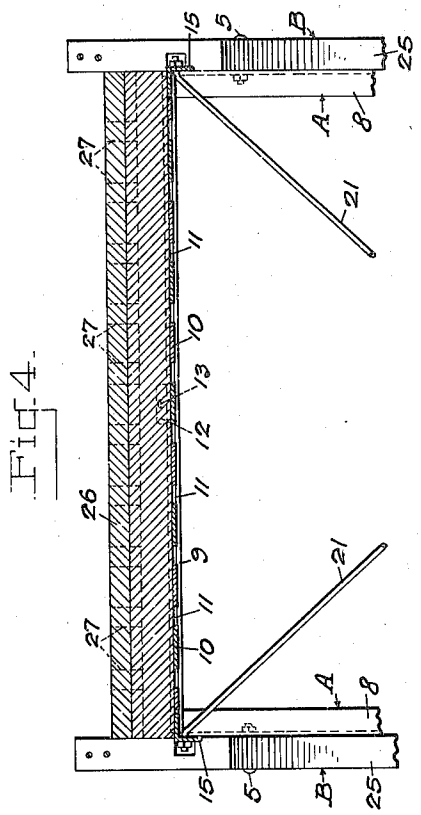

Fig. 4.

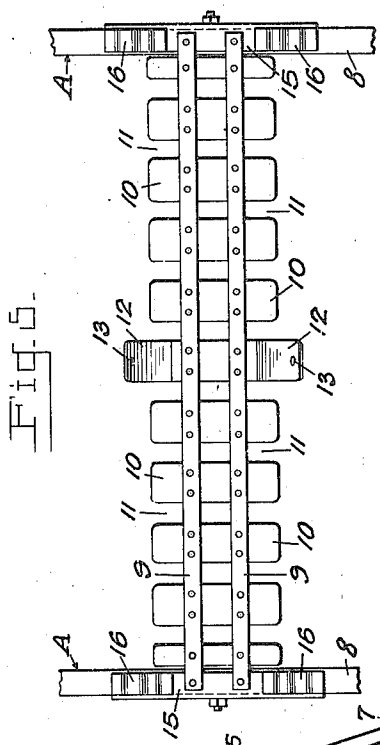

Fig. 5.

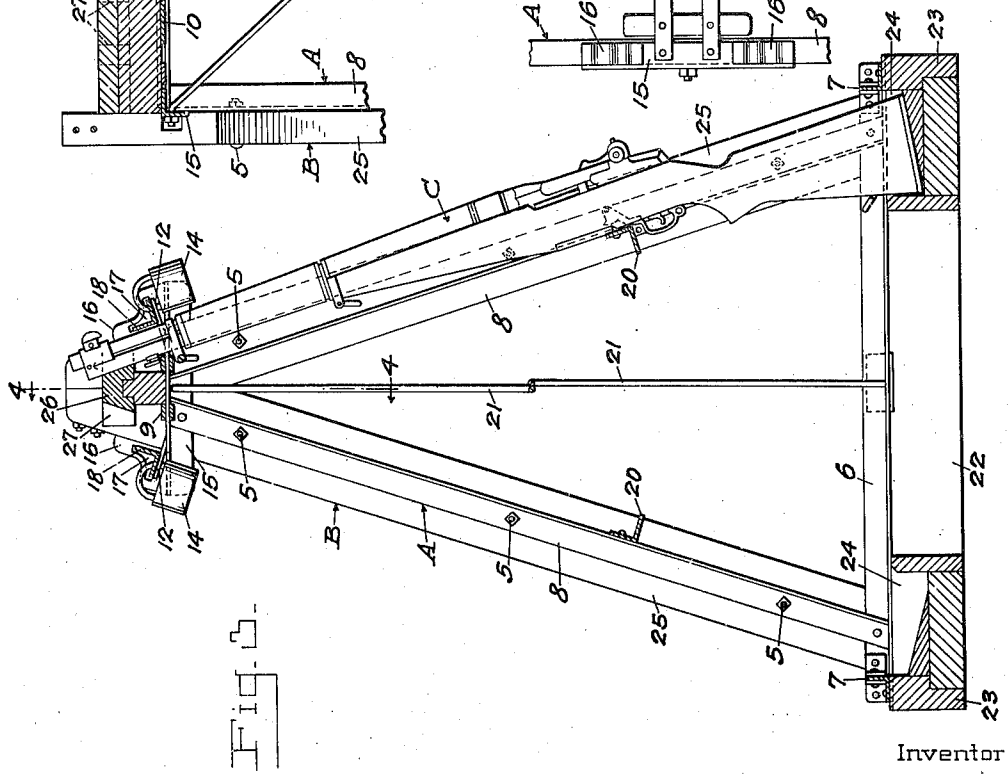

Fig. 6.

Inventor
Angelo R. Del Campo, Jr.
By G. J. Keesenick & J. H. Church
Attorneys

Patented Aug. 5, 1941

2,251,271

UNITED STATES PATENT OFFICE

2,251,271

GUNRACK

Angelo R. Del Campo, Jr., U. S. Army,
San Antonio, Tex.

Application March 15, 1940, Serial No. 324,142

4 Claims. (Cl. 211—64)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

The invention described herein may be manufactured and used by or for the Government for governmental purposes, without the payment to me of any royalty thereon.

This invention relates to a gun rack.

The purpose of the invention is to provide a rack in which guns may be stored and securely held in place against unauthorized removal and which is so designed and constructed that the guns may be quickly issued and racked.

A further object is to provide a triangular shaped rack which will accommodate a double row of guns and which is conveniently formed of an outer non-metallic frame and an inner metallic frame.

The specific nature of the invention as well as other objects and advantages thereof will clearly appear from a description of a preferred embodiment as shown in the accompanying drawings in which:

Fig. 1 is a perspective view of the improved gun rack;

Fig. 2 is a perspective view of the metal frame;

Fig. 3 is a transverse sectional view of the rack;

Fig. 4 is a sectional view on the line 4—4 of Fig. 3;

Fig. 5 is a fragmentary plan view of the metal frame.

Referring to the drawings by characters of reference, the rack consists of a metal frame A and a wooden frame B assembled with the metal frame on the inside and secured together by means of bolts 5.

The metal frame A which is a complete subassembly whose parts are integrally united as by riveting and welding comprises a base formed of four angle bars designated as sides 6—6 and ends 7—7. A pair of spaced gabled standards fixed to the base are each formed of a pair of angle bars 8—8 secured to opposite ends of a side bar 6 and inclined to converge at a predetermined height over the center line of the base.

The upper converged ends of the standards are connected by and support a grating which conveniently comprises a pair of parallel spaced rails 9—9 Fig. 5, joined at short intervals by crosspieces 10 to provide slots 11. The central crosspiece is elongated and has upwardly inclined ends 12, each provided with an aperture 13 for receiving the shackle of a padlock 14. The end crosspieces 15—15 are angled and provide a means of connecting the grating to the standards. A pair of blocks 16—16 are fixed on each crosspiece 15 and each block is provided with an angled aperture 17. The apertures in oppositely corresponding blocks of the two crosspieces 15—15 are in alignment so as to slidably receive an angled locking bar 18 whose central portion engages the inclined end 12 of the central crosspiece and is provided with an aperture 19 for the shackle of the padlock.

The standards are connected at a predetermined height from the base ends 7 by a pair of angled trigger guard bars 20—20 disposed parallel to the base ends 7 and fixed to corresponding bars 8 of the standards. A pair of crossed tie-rods 21—21 are attached to the base sides 6 and to the end crosspieces 15 of the grating.

The wooden frame B comprises a base formed of sides 22—22 and ends 23—23 which are each provided with a row of sockets 24 of a size adapted to receive the butt of a rifle. A pair of spaced gabled standards fixed to the base are each formed of a pair of inclined uprights 25—25 secured to the opposite ends of a side 22 and converging at a predetermined height over the center line of the base.

The wooden frame B is dimensioned to receive the metal frame A which is secured in place by the bolts 5. When thus assembled a wooden rack bar 26 is placed above and spaced from the metal grating 9—10 and it is secured to the uprights 25. The rack is provided on opposite sides with a series of slots 27 which correspond to the slots 11 between the crosspieces 10.

With the locking bar 18 removed a rifle C is placed in the rack by first inserting its butt into one of the sockets 24 and then moving it about the butt as a pivot to insert the muzzle end of the barrel and the gas cylinder into the corresponding slot 27 of the wooden rack 26, the slot being dimensioned to provide a close fit. In this position the gun barrel and the gas cylinder thereon are also disposed in a slot 11 between the crosspieces 10 of the grating, the bayonet lug of the rifle being positioned directly above the rail 9 and the stacking swivel lug being positioned directly underneath the rail to prevent vertical displacement of the rifle. The locking bar 18 is now inserted in the aperture 17 of the blocks and the padlock 14 applied to prevent withdrawal of the rifle.

The trigger guard of the rifle is engaged by the bar 20 so that it cannot be removed and the rifle disassembled while in the rack. It will be noted that the bar 20 and the corresponding base end 7 engage the gun on opposite sides.

The wooden frame supports the rifle clear of the floor and of the metal frame to avoid scratch-

ing and it serves to reinforce the metal frame.

I claim:

1. In a gun rack, a non-metallic frame comprising a base having oppositely disposed rows of sockets each adapted to receive the butt of a gun, converging uprights on opposite sides of the base, a rack bar connecting the converged ends of the uprights and having oppositely disposed rows of slots each adapted to receive the muzzle end of a gun, a similarly shaped metallic frame within the non-metallic frame and fixed thereto, said metallic frame including a metallic grating spaced from the rack bar and having slots corresponding to the slots of the rack bar, said grating positioned to be disposed between elements of the gun to prevent vertical displacement of the gun, a locking bar slidably mounted on each side of the grating in position to establish a closure for the slots of the grating, and bars fixed to the metallic frame in position to engage the trigger guard of the gun to prevent removal thereof.

2. In a gun rack, a non-metallic frame comprising a base having oppositely disposed rows of sockets each adapted to receive the butt of a gun, converging uprights on opposite sides of the base, a rack bar connecting the converged ends of the uprights and having oppositely disposed rows of slots each adapted to receive the muzzle end of a gun, a similarly shaped metallic frame within the non-metallic frame and fixed thereto, said metallic frame including a metallic grating spaced from the rack bar and having slots corresponding to the slots of the rack bar, said grating positioned to be disposed between elements of the gun to prevent vertical displacement of the gun, and a locking bar slidably mounted on each side of the grating in position to establish a closure for the slots of the grating.

3. In a gun rack, a non-metallic frame comprising a base having oppositely disposed rows of sockets and an upper rack bar disposed above the center line of the base and having oppositely disposed rows of slots, the sockets adapted to receive the butts of guns and the slots adapted to receive the muzzle ends thereof, a metallic frame within the non-metallic frame and fixed thereto, said metallic frame including a grating spaced from the rack bar and having slots corresponding to the slots of the rack bar, said grating positioned to be disposed between elements of the guns to prevent vertical displacement thereof, and a locking bar on each side of the grating in position to establish a closure for the slots of the grating.

4. In a gun rack, a non-metallic frame having sockets adapted to receive the butts of guns and having slots adapted to receive the muzzle ends thereof, a metallic frame within the non-metallic frame and fixed thereto, said metallic frame including a grating having slots adapted to receive the muzzle end of the gun, said grating position to be disposed between elements of the guns to prevent vertical displacement thereof, and a locking bar on the grating in position to establish a closure for the slots thereof.

ANGELO R. DEL CAMPO, JR.