F. LEWINSKI.

BOMB THROWING DEVICE.

APPLICATION FILED JUNE 24, 1918.

1,282,248.

Patented Oct. 22, 1918.

2 SHEETS—SHEET 1.

FIG. 1.

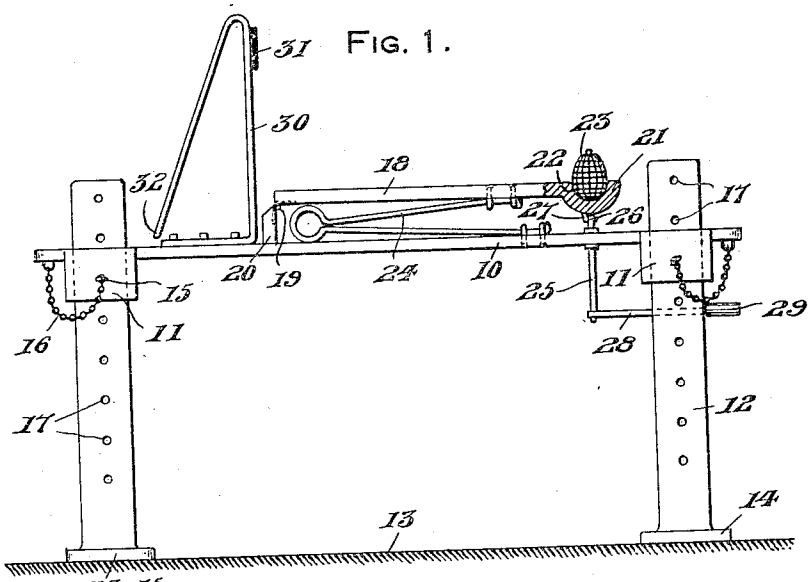
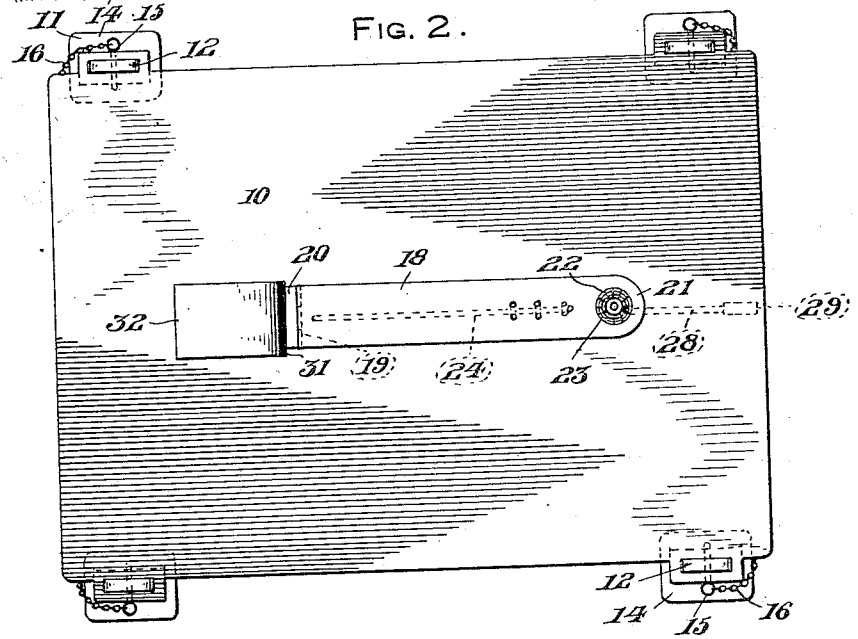


FIG. 2.



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2 SHEETS—SHEET 2.

FIG. 3.

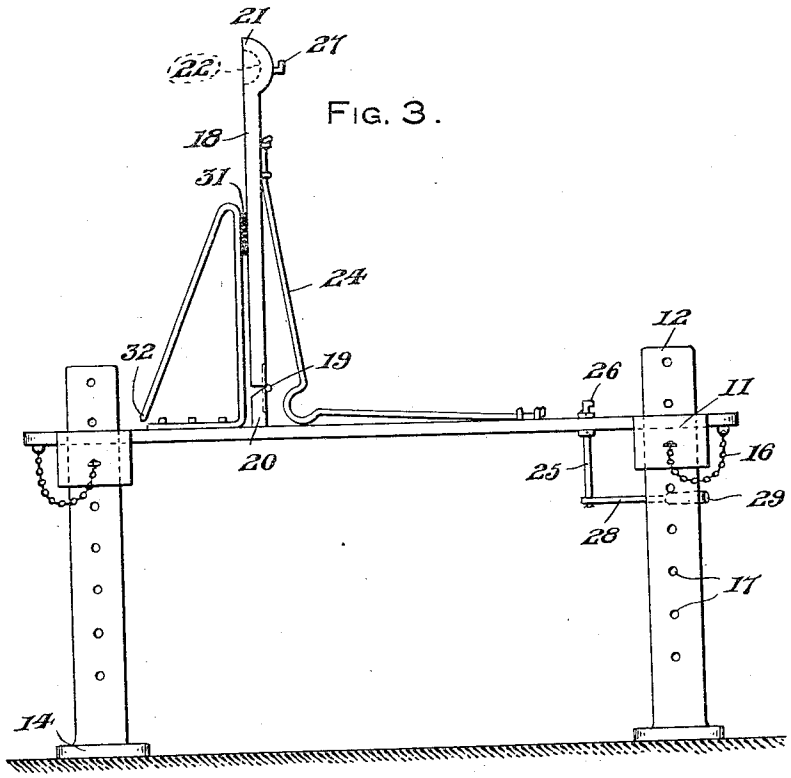


FIG. 4.

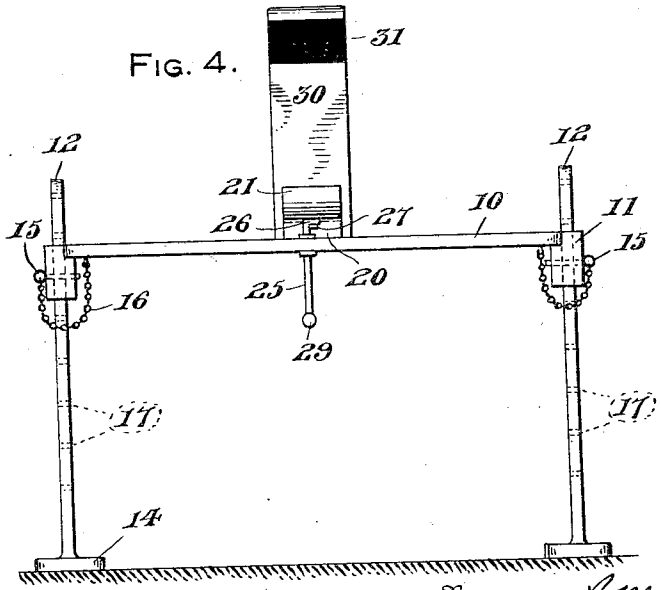
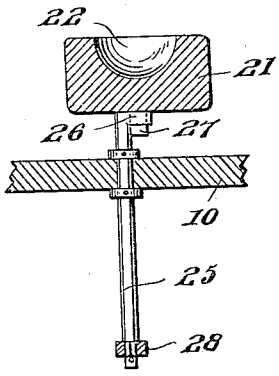


FIG. 5.



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FRANK LEWINSKI, OF CAMP MEADE, MARYLAND.

BOMB-THROWING DEVICE.

1,282,248. Specification of Letters Patent. Patented Oct. 22, 1918.

Application filed June 24, 1918. Serial No. 241,661.

To all whom it may concern:

Be it known that I, FRANK LEWINSKI, a subject of the Emperor of Austria, residing at Camp Meade, in the county of Anne Arundel and State of Maryland, have invented certain new and useful Improvements in Bomb-Throwing Devices, of which the following is a specification.

The primary object of the invention is the provision of a mechanical device adapted for hurling bombs and grenades great distances, the device being vertically adjustable for varying the distance of the same from the ground to suit different conditions of use.

A further object of the invention is the provision of an adjustable platform from which soldiers may readily fire upon the enemy, the said platform being provided with grenade throwing means operable rearwardly of the device.

With these general objects in view, the entire invention will be fully described in connection with the accompanying drawings and in which like reference characters designate corresponding parts throughout the several views,

Figure 1 is a side elevation of the device;

Fig. 2 is a top plan view thereof;

Fig. 3 is a view similar to Fig. 1 with the device in its operated position ready to be reset;

Fig. 4 is a rear elevation of the device positioned ready for firing; and

Fig. 5 is an enlarged transverse sectional view of the grenade holder and the trigger mechanism.

Referring more in detail to the drawings, a platform 10 is provided having a sleeve 11 at each corner thereof through which a post or leg 12 is slidably positioned for mounting the platform for vertical adjustment relative of the ground 13. Feet 14 are provided at the bottoms of the post 12 while pins 15 attached to the platform 10 by means of chains 16 are positioned through perforations 17 in the posts and extend through the sleeves 11 for mounting the platform horizontally at the desired height upon said post.

A throwing arm 18 is hinged at 19 to a block 20 carried by the top of the platform 10, while the arm has a hand portion 21 at its free end with a concaved face 22 within which the missile, such as 23, is seated for throwing by the device.

A strong spring 24 is connected between the platform 10 and the arm 18 adapted to be compressed when said arm is swung rearwardly and downwardly substantially parallel with the platform 10 as illustrated in Fig. 1 of the drawings. A vertical trigger rod 25 is journaled through the platform 10 having a hook 26 at its upper end adapted to engage a corresponding hook or keeper 27 upon the bottom of the hand 21. A trigger lever 28 is carried by the lower end of the rod 25 with a handle 29 at its free end positioned at the rear of the device.

A leaf spring 30 of substantially inverted V-shaped form is secured to the platform 10 forwardly of the block 20 and is provided with a buffer 31 of suitable material such as rubber adapted to be contacted during the forward operative swinging movement of the arm 18.

The complete operation of the device will be apparent from this detailed description thereof, it being seen that the arm 18 is manually depressed for tensioning the spring 24 and positioning the arm substantially horizontal so that by turning the rod 25 by means of the lever 28, the hook 26 will engage the hook 27 for retaining the device in its set position. The grenade 23 is then positioned in the seat 22 and the handle 29 grasped for turning the lever 28 to release the hook 26 and whereupon the spring 24 forcibly swings the arm 18 forwardly carrying the grenade 23 with the same while the arm is stopped by the spring mounted buffer 31 resulting in the forward hurling of the grenade 23. The forward resilient movement of the spring 30 is limited by the lower free end 32 thereof striking against the platform 10 which insures the stopping of the throwing arm 18 at the proper time to insure the forward throwing of the grenade 23. The platform 10 may also be employed for supporting soldiers in an elevated position for firing upon the enemy simultaneously with the operation of the device as a grenade thrower and the height of the platform 10 may be adjusted as desired.

What I claim as new is:—

1. A device of the class described comprising a platform adjustable in height, a swinging arm mounted upon the platform having a socket at one end adapted to receive a missile to be thrown, an operating spring for the arm, a trigger rod for said arm, and an inverted V-shaped buffer spring carried by the platform forwardly of the

arm having its free end normally spaced from the platform adapted for limiting the resilient movement of the spring when contacted by the forwardly moving arm during the throwing operation.

2. A device of the class described comprising a platform, a sleeve at each corner thereof, mounting posts provided through the said sleeves, adjustment retaining connections between the said sleeves and posts, a throwing arm hinged to the platform, a trigger mechanism for the said arm, an inverted V-shaped leaf spring carried by the platform within the path of movement of the arm and having its free end normally spaced from the platform forming a limiting stop for the operation of the spring, and a buffer adjacent the upper end of the spring adapted for contact by the arm during the throwing operation.

3. In combination with a vertically adjustable platform, a block mounted thereon, a throwing arm hinged to the top of the block having a hand portion adjacent its free end with a missile receiving recess in its upper face, an elongated operating spring connected between the platform and arm, a hook upon the bottom of said hand portion of the arm, a trigger rod vertically journaled through the platform having a hook at its upper end adapted for detachable engagement with the hook of the arm when the arm is in its substantially horizontal operative position, an operating handle for said rod operable adjacent the rear end of the device, and a substantially V-shaped leaf spring carried by the platform within the path of movement of the arm during the throwing operation adapted for resiliently stopping the arm, the free forward end of the said leaf spring being normally spaced from the platform adapted for engaging the same for limiting the movement of the leaf spring when contacted by the arm.

In testimony whereof I affix my signature.

FRANK LEWINSKI.

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