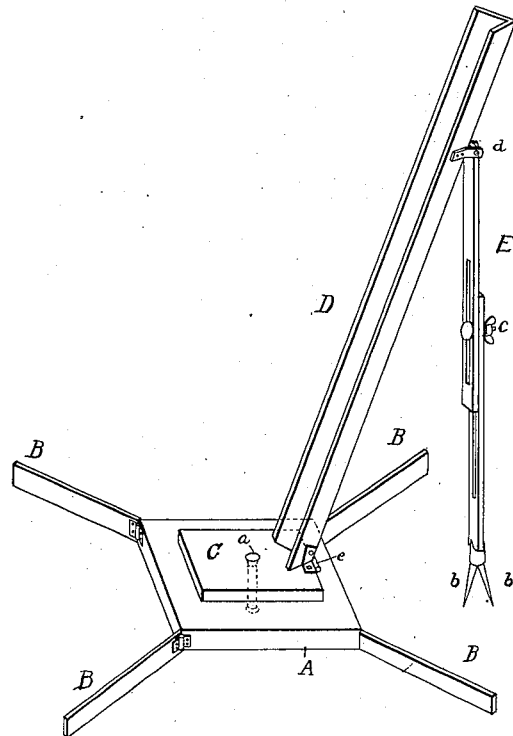


(No Model.)

W. H. MEADOWCROFT.
ROCKET STAND.

No. 499,790.

Patented June 20, 1893.



Witnesses
H. F. Charles

W. H. Meyer

Inventor

William H. Meadowcroft

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UNITED STATES PATENT OFFICE.

WILLIAM H. MEADOWCROFT, OF NEW YORK, N. Y.

ROCKET-STAND.

SPECIFICATION forming part of Letters Patent No. 499,790, dated June 20, 1893.

Application filed July 31, 1891. Serial No. 401,294. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. MEADOWCROFT, a citizen of the United States, residing at New York, in the county and State of New York, have invented a certain new and useful Improvement in Rocket-Stands, of which the following is a specification.

The object of my invention is to provide a simple, cheap and effective device from which to discharge rockets, by means of which the rocket may be readily discharged at any angle and toward any point of the compass.

My invention consists in the novel devices and combinations of devices employed by me in carrying the above named object into effect as hereinafter set forth and claimed.

My invention is illustrated in the accompanying drawing, which is a perspective view of a rocket stand or support embodying said invention.

A is a base made of wood or other suitable material, and the same is provided with the branching arms B, B to give stability to the structure, the same being preferably hinged to the base A so as to be folded into small compass when not in use. The branching arms may be dispensed with by making the base A large enough to itself afford sufficient stability.

C is a turning block connected with the base A by the pin or bolt *a* which forms a vertical pivot by means of which the direction of discharge of the rocket may be changed.

D is a V-shaped trough or chute, which is connected by a hinge *e* with the turning block C and is supported at its free end by an arm E whose lower end is preferably provided with sharp points *b*. The arm E may be made as shown in two parts united by a thumb-screw *c* passing through slots in the two parts of the arm so that the length of the arm may be adjusted. The arm E is connected with the lower side of the trough D by a hinge *d*.

In using this device the base A is set upon the ground or upon the deck of a ship or other place from which it is desired to discharge rockets, either as a pyrotechnic dis-

play or for signaling or other purposes, the branching arms B being spread out as shown in the drawing. The trough D is raised on its hinge *e* to the required elevation and is held in position by the insertion of the points *b* of the arm E into the ground, deck or floor. The rocket is of course laid in the trough D and discharged therefrom in the usual manner. By moving the arm E the angle of inclination of the trough D may be changed to any desired extent so that the rocket may be discharged at any desired angle, and furthermore by swinging the trough on its vertical pivot *a*, the direction in which the rockets may be discharged is varied in a simple and convenient manner and to any desired extent.

I prefer to make all the parts of wood except the hinges and the points *b* of the arm E, although other material may be substituted if desired.

The device furnishes a cheap and simple construction, requiring no special skill in manipulation or in the handling and discharging of fireworks, its adjustability is unlimited and it is adapted to be used in any situation.

What I claim is—

1. In a stand for discharging rockets, the combination of a portable base, provided with hinged arms B for steadying the same, a trough or chute hinged to said base, and a supporting arm for said trough or chute, substantially as set forth.

2. In a stand for supporting rockets, the combination of a portable base; a turning block C, pivoted vertically to the same; a trough or chute D, hinged at its lower end to said turning block, and a supporting arm E, hinged to said chute at or near the free end thereof, substantially as described.

This specification signed and witnessed this 28th day of July, 1891.

WM. H. MEADOWCROFT.

Witnesses:

J. A. YOUNG,
W. PELZER.