(No Model.)

E. F. LINTON.

ROCKET.

No. 310,598. Patented Jan. 13, 1885.

Fig. 1.

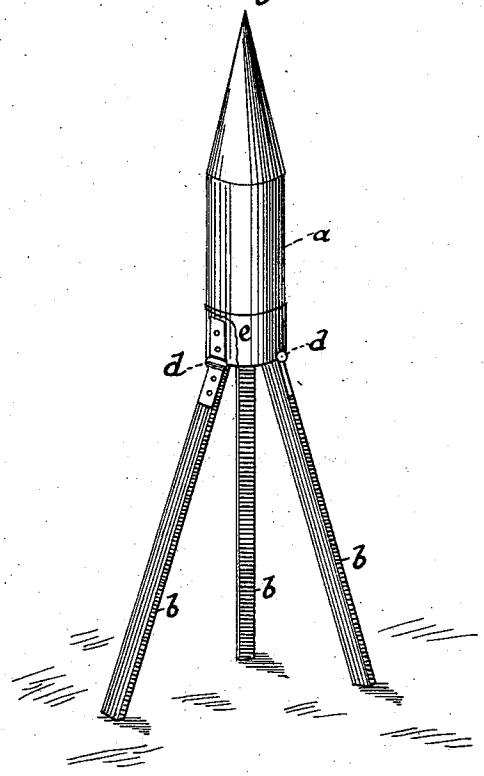
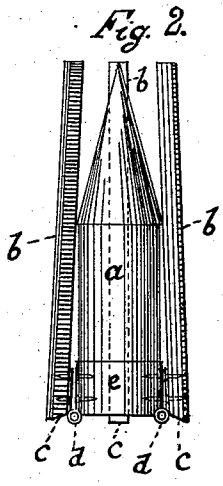


Fig. 2.



WITNESSES-

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UNITED STATES PATENT OFFICE.

EDWARD F. LINTON, OF EAST NEW YORK, N. Y., ASSIGNOR TO THE UNEXCELLED FIRE WORKS COMPANY, OF SAME PLACE.

ROCKET.

SPECIFICATION forming part of Letters Patent No. 310,598, dated January 13, 1885.

Application filed February 12, 1884. (No model.)

To all whom it may concern:

Be it known that I, EDWARD F. LINTON, a citizen of the United States, residing at East New York, in the county of Kings and State of New York, have invented new and useful Improvements in Rockets, of which the following is a specification.

My invention relates to the contrivance of the sticks forming the tripod for supporting the rockets when being fixed, so as to economize space in packing for storage and shipment, by placing them alongside of the body of the rocket so as to make a package of no greater length and of but slightly larger transverse dimensions than the body; and it consists of fitting the sticks with bevel upper ends, adapted to form a suitable seat for the lower end of the body of the rocket to rest on, and hinging them to the sides of the body, so that said bevel ends will project under the lower end of the body to form a seat for it to rest on, and also so that when the legs swing down to assume the standing position for supporting the rocket the said bevel ends will gage the sticks by contact with the end of the rocket, and cause them to diverge alike and in the proper degree for assuming, without care or adjustment by the operator, the right position for supporting the rockets, and thus facilitate the placing of the rockets so as to avoid considerable manipulation and economize time, all as hereinafter fully described, reference being made to the accompanying drawings, in which—

Figure 1 is a perspective elevation of a rocket having the supporting-sticks fitted according to my invention, and Fig. 2 is a side elevation of the rocket with the sticks fitted according to my invention and folded up alongside of the body for packing.

The body *a* of the rocket and the sticks *b* are the same as others. I preferably fit the sticks *b* with bevel upper ends, *c*, suitably to form a rest for the lower end of the body *a*, when said sticks are suitably divergent to form the usual tripod employed for supporting the rocket for firing, and hinge the said sticks so beveled at the upper ends to the sides of the body by strap or equivalent hinges *d*, attached to the body and to the outsides of the sticks, so that said bevel ends *c* will swing under the body when said body is held up to let the sticks swing down, and will form stops that will hold the sticks in the proper divergent projection to cause them to assume their proper relative positions on the ground without having to be individually adjusted, and without requiring the care and attention that is necessary to fix the sticks, when detachably connected by means of sockets on the body of the rocket, as they have been fixed in some cases. In this arrangement the folding of the sticks for packing requires only the swinging of the legs over on the hinges of the body, which may be quickly done by one movement of one hand, or by inverting the rocket so that the sticks will fold by gravity, and the unfolding of the sticks and the setting of the rocket upon them requires only to hold the rocket upright till the sticks fall to their positions, and then setting the rocket down.

The hinges may be made of tin very cheaply, and may be cheaply and quickly fastened to the sticks and to the body of the rocket by pins driven into them through the leaves of the hinges, and, together with the tacks and pins, I propose to employ a band, *e*, of strong paper or other suitable material, fitted around the rocket, and pasted on over the nails to retain them in case they become slack in the paper material of the shell of the rocket, which is not very good to hold the pins, as the pins cannot be clinched or riveted inside of the shell, because the legs are not to be nailed on until after the rocket is charged with the explosive material.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The supporting-sticks forming the tripod for the support of a rocket, hinged to the body of the rocket, and having bevel ends *c*, to form stops for the adjustment of the sticks, and also to form seats for the lower end of the rocket, said sticks being hinged to the body suitably for enabling said bevel ends to project under and touch the end of the rocket when adjusted for supporting the rocket, substantially as described.

2. In a rocket having the legs *b* attached to the body by means of hinges attached to said legs, and nailed or pinned to the body, a reenforcing band, *e*, of paper or other material, fitted around the shell of the rocket over the nails and pasted to the shell, substantially as described.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

EDWARD F. LINTON.

Witnesses:
J. E. SMITH,
C. W. C. DREHER.