(No Model.)

J. U. BARR, Jr.

TOP.

No. 521,148. Patented June 12, 1894.

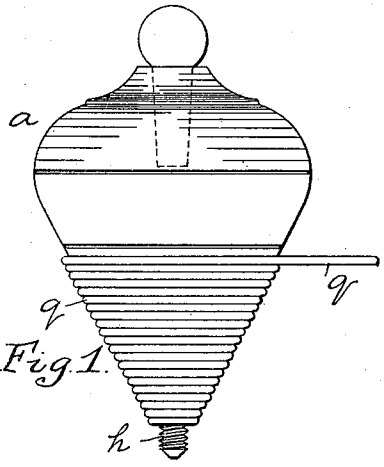


Fig. 1.

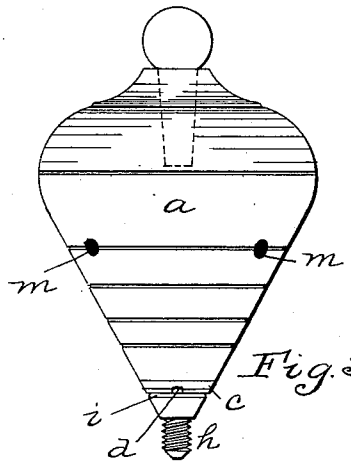


Fig. 5.

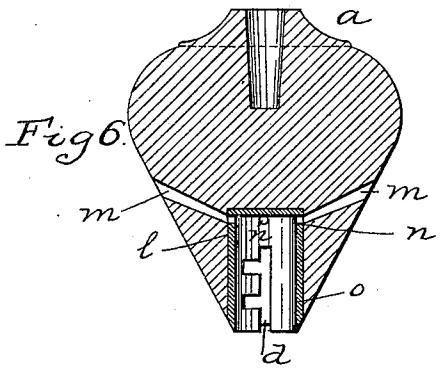


Fig. 6.

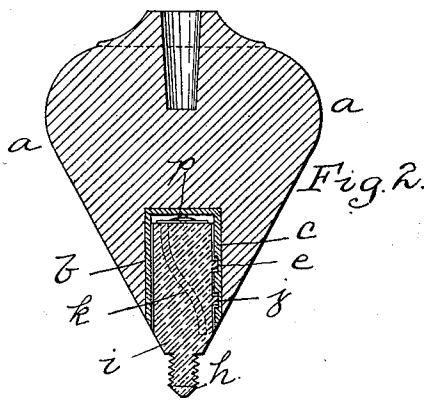
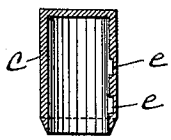


Fig. 2.

Fig. 4.



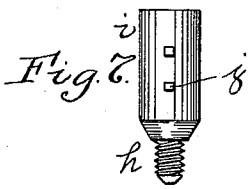


Fig. 7.

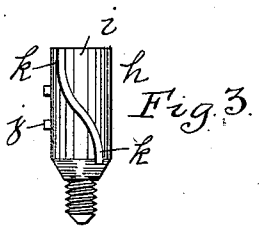


Fig. 3.

Fig. 8.

Witnesses:

Lindsey A. B. Little

L. H. Knox.

Inventor:

John U. Barr Jr.

By Kay, Totten & Cooke

Attorneys.

THE NATIONAL LITHOGRAPHING COMPANY,
WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JOHN U. BARR, JR., OF PENN, ALLEGHENY COUNTY, ASSIGNOR OF ONE-FOURTH TO JAMES I. KAY, ROBERT D. TOTTEN, AND JAMES N. COOKE, ALL OF PITTSBURG, PENNSYLVANIA.

TOP.

SPECIFICATION forming part of Letters Patent No. 521,148, dated June 12, 1894.

Application filed April 2, 1894. Serial No. 506,023. (No model.)

To all whom it may concern:

Be it known that I, JOHN U. BARR, Jr., a resident of Penn township, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Tops; and I do hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to tops.

My invention comprises, generally stated, a top having a vented seat therein extending from the peg-end upwardly into the body portion for the reception of an explosive cap, and a removable vertically movable peg constructed to enter said seat from the peg end and come in contact with said cap and explode the same.

To enable others skilled in the art to make and use my invention, I will describe the same more fully, referring to the accompanying drawings, in which—

Figure 1 is a view of my improved top with the spinning cord wound around the body thereof. Fig. 2 is a vertical section of the same. Fig. 3 is a view of the peg removed. Fig. 4 is a view of the thimble removed. Figs. 5, 6 and 7 illustrate a modified form of my invention. Fig. 8 is a view of a suitable cap or explosive.

Like letters indicate like parts in each of the figures.

I have illustrated my invention in connection with the ordinary top-body *a* usually constructed of box-wood, or other suitable material. Within said top-body *a* is formed the seat *b*, and into said seat is introduced the thimble *c* of brass or other suitable material. This thimble *c* fits snugly within said seat *b*, and is provided with the slot *d* and recesses *e* leading therefrom.

The peg *h* is formed with the enlarged body portion *i*, said peg and body portion being formed of cast iron or other suitable material. The body portion *i* is provided with the lugs *j*, and when said body portion is introduced into the thimble *c* with the lugs *j* entering the slot *d*, and said body portion is turned to bring said lugs *j* into the recesses *e*, the said peg *h* is locked securely in place. The lugs *j* are made of less thickness than the height of the recesses *e*, so that when said peg is in position within the thimble *c* it will have a certain amount of vertical play therein to bring the inner end of said peg into contact with the bottom of the seat *b*. In order to vent the seat *b* the body portion *i* of the peg *h* is provided with the grooves *k*, preferably spiral. These grooves *k* are preferably spiral for the reason that, upon the concussion, as hereinafter set forth, the spiral grooves will prevent any tendency of the concussion to retard the spinning of the top.

In the modified form of my invention, as shown in Figs. 5, 6 and 7, the seat *l* is vented in a different manner from the seat *b* in Fig. 2. In this case passages *m* are formed in the top-body, said passages coinciding with openings *n* in the thimble *o*, and thus opening communication between the seat *l* and the atmosphere.

A cap *p* of paper or other suitable material is placed at the bottom of the seat *b*, when the peg is then inserted in the thimble *c*, and by means of the bayonet joint, before described, said peg is locked therein. The spinning cord *q* is then wound around the top, as shown in Fig. 1, and the top thrown in the ordinary manner. As soon as the peg *h* strikes the spinning surface the inner end of the body portion *i* of said peg will be brought with great force against the cap *p* within the thimble *c*. The cap will be exploded and a sharp report will follow, while the top will continue to spin in the ordinary manner. The peg can then be removed and the exploded cap will fall from the thimble *c*, or can be readily expelled therefrom by a nail or other instrument. Another cap, or, if desired, several caps may be inserted where it is desired to increase the loudness of the report, and the top is loaded for another spin.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A top having a vented seat therein extending from the peg-end upwardly into the body-portion, a removable peg entering said seat from the peg-end and vertically movable therein, and means for releasably locking said peg in the seat; substantially as described.

2. A top having a vented seat therein, and a vertically movable peg held within said

seat by a bayonet joint, substantially as and for the purposes set forth.

3. A top having a vented seat therein, a thimble in said seat, a vertically movable peg within said thimble and engaging therewith by means of a bayonet joint, substantially as and for the purposes set forth.

4. A top having a vented seat therein, a thimble in said seat, a peg fitting within said thimble and engaging therewith by a bayonet joint, the lugs on said peg being of less thickness than the height of the recesses in said thimble with which said lugs engage, substantially as and for the purposes set forth.

5. A top having a seat formed therein, a peg vertically movable therein, said peg having grooves formed therein to vent said seat, substantially as and for the purposes set forth.

6. A top having a seat formed therein, a peg vertically movable therein, said peg having spiral grooves formed therein to vent said seat, substantially as and for the purposes set forth.

In testimony whereof I, the said JOHN U. BARR, Jr., have hereunto set my hand.

JOHN U. BARR, JR.

Witnesses:
ROBT. D. TOTTEN,
J. N. COOKE.