

E. C. TEUSCHER.
EXPLOSIVE TOY.
APPLICATION FILED DEC. 4, 1911.

1,057,596.

Patented Apr. 1, 1913.

Fig. 1.



Fig. 2.

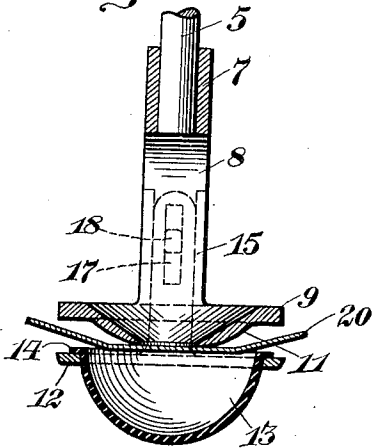
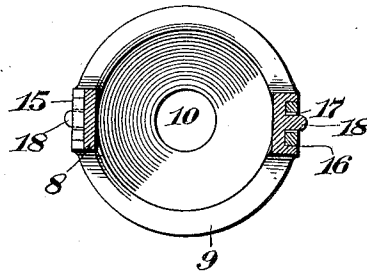


Fig. 3.



WITNESSES:
Chas. A. Becker,
W. A. Alexander.

INVENTOR

E. C. Teuscher.

BY

E. E. Hoffman
ATTORNEY

UNITED STATES PATENT OFFICE.

EDWARD C. TEUSCHER, OF ST. LOUIS, MISSOURI.

EXPLOSIVE TOY.

1,057,596.

Specification of Letters Patent.

Patented Apr. 1, 1913.

Application filed December 4, 1911. Serial No. 663,763.

To all whom it may concern:

Be it known that I, EDWARD C. TEUSCHER, a citizen of the United States, residing at St. Louis, Missouri, have invented a certain
5 new and useful Explosive Toy, of which the following is such a full, clear, and exact description as will enable any one skilled in the art to which it appertains to make and use the same, reference being had to
10 the accompanying drawings, forming part of this specification.

My invention relates to an explosive toy and particularly to one in which the explosion is caused by the rupture of a sheet of
15 paper or similar material by air pressure.

In the accompanying drawings, which illustrate one form of toy made in accordance with my invention, Figure 1 is a side elevation; Fig. 2 is a section on line 2—2 of
20 Fig. 1, and Fig. 3 is a section on line 3—3 of Fig. 1.

Like reference numerals refer to similar parts in the several views of the drawings.

The toy, which is in the form of a cane,
25 is provided with a shaft or handle 5 which may terminate at its upper end in a ball 6 or similar ornament. The lower end of the shaft 5 is inserted in a socket in the stem 7 of a Y-shaped member 8. The arms
30 of this member 8 carry a circular plate 9 which is provided with a central opening 10 and has on its under surface a convex clamping face 11.

12 is a clamping member which is circular in form and is provided with an opening of sufficient diameter to receive a half-ball 13 of rubber or other impervious collapsible material, said ball being provided with a flange 14 for preventing its passage
40 entirely through the opening in the member 12. The member 12 is provided with a pair of arms 15 which slide in guideways 16 formed in the arms of the member 8. The arms 15 are provided with slots 17
45 which take over lugs 18 formed on the arms 8. The arms 15 are made of spring material and are arranged to bear against the arms 8 so as to form a frictional connection therewith in order to hold the two members together in position to retain a strip 20 of
50 paper between the same but at the same time to allow the members to be readily separated for the insertion of a new strip.

In operating the toy, the members 12 and
55 9 are separated by drawing the member 12 downwardly. The amount of movement be-

tween these members will of course be limited by means of the lugs 18 which enter the slots 17 in the arms 15. After the member 12 has been drawn downwardly a
60 strip of paper 20 is inserted between the two members as shown in Fig. 2, and the member 12 is then forced upwardly to clamp the sheet of paper between the two members. The friction of the arms 15
65 against the member 8 is sufficient to hold the parts in this position and prevent accidental displacement of the sheet of paper. The convex form of the clamping face 11 is such that the sheet of paper will be
70 tightly stretched over the opening 10 in the member 9. When a ball 13 is struck against any solid object it will be collapsed and the air contained therein will be forced through the opening 10, thus rupturing the sheet
75 of paper 20 causing a sharp detonation or explosion.

It will be evident that the construction of my device is such that the striking of the toy to cause the explosion will tend to increase the pressure between the two clamping parts so that no springs or locks or other expensive devices are necessary to secure the clamping parts firmly together.

I claim:

1. The combination with a frame, of a hollow body of resilient material carried by said frame, an apertured member provided with a handle, and a frictional sliding connection between said frame and handle whereby a sheet of rupturable material may be secured between said parts.

2. The combination with a pair of relatively movable members, of means for holding said members together to retain a sheet of rupturable material between them, one of said members being provided with a convex clamping face, and a collapsible hollow body carried by one of said members for rupturing said sheet of material.

3. The combination with a pair of relatively movable members, of means for holding said members together to retain a sheet of rupturable material between them, one of said members being provided with a convex clamping face, and a hollow collapsible body carried by the other of said members, and adapted to rupture said sheet of material.

4. The combination with a member carrying a collapsible hollow body, of a pair of spring arms carried by said member, a

second member provided with an aperture and frictionally engaged by said spring arms to allow of sliding motion between said members to clamp a rupturable strip over said opening, and a handle carried by said second-named member.

5. The combination with a member carrying a collapsible hollow body, of a pair of spring arms carried by said member, a second member provided with an aperture frictionally engaged by said spring arms to allow of sliding motion between said members to clamp a rupturable strip over said opening, means for limiting the relative movement between said members, and a handle carried by said second-named member.

6. The combination with a member provided with a collapsible hollow body, of a pair of spring arms carried by said member, a second member provided with an aperture, said member being also provided with guideways adapted to receive said spring arms, and a handle carried by said second member.

7. The combination with a member carrying a collapsible hollow body, of a pair

of slotted spring arms carried by said body, a second body provided with an aperture and frictionally engaged by said spring arms to allow of sliding motion between said members to clamp a rupturable strip over said aperture, lugs carried by said second member for engaging the slots in said spring arms, and a handle carried by said second member.

8. The combination with a member carrying a collapsible hollow body, of a pair of spring arms carried by said member, a second body provided with a convex clamping face surrounding an aperture, said last named member being frictionally engaged by said pair of spring arms to allow of sliding motion between said members to clamp a rupturable sheet over said aperture, and a handle carried by said second member.

In testimony whereof, I have hereunto set my hand and affixed my seal in the presence of the two subscribing witnesses.

EDWARD C. TEUSCHER. [L. S.]

Witnesses:

W. A. ALEXANDER,
B. L. CROWLEY.

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