

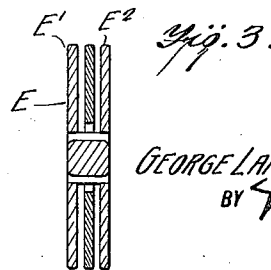
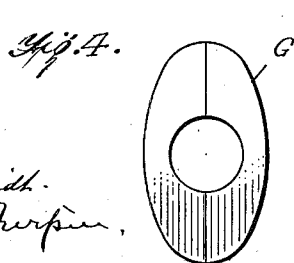
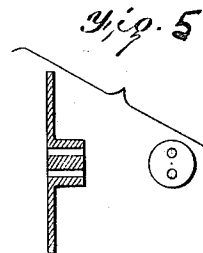
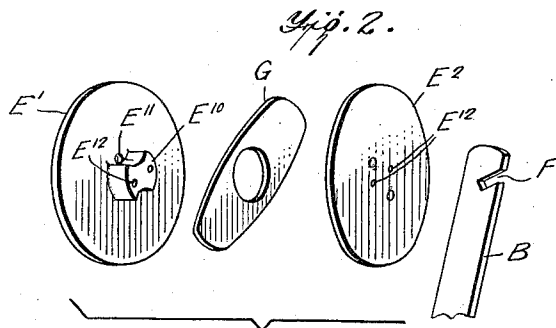
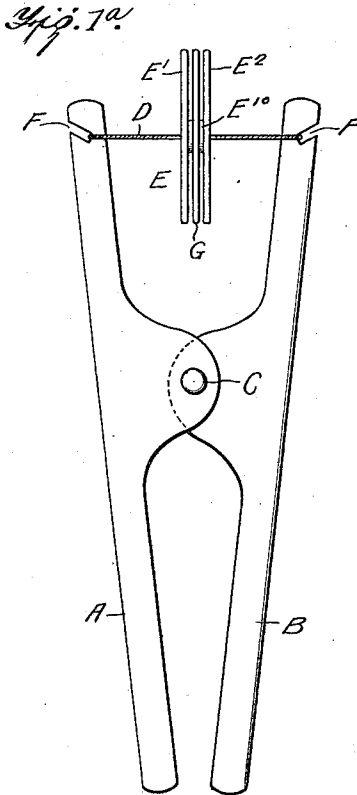
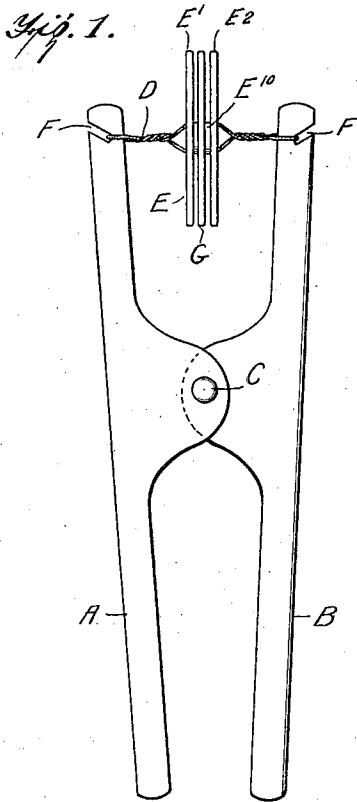
G. L. WEBSTER.

TOY.

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1,023,698.

Patented Apr. 16, 1912.



WITNESSES

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TOY.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, GEORGE LAMONT WEBSTER, a citizen of the United States, and a resident of Midlothian, in the county of Ellis and State of Texas, have invented certain new and useful Improvements in Toys, of which the following is a specification.

This invention is an improvement in toys and especially in whirling toys wherein what is known as a whirligig is operated by the tension of parallel lengths of cord twisted about each other and pulled and released alternately to cause the toy to whirl first in one and then in the other direction, and the present invention provides a novel construction whereby a rattling noise may be caused as the toy is operated, the invention consisting in certain novel constructions and combinations of parts as will be hereinafter described and claimed.

In the drawing Figure 1 is an elevation of the invention as in use. Fig. 1^a is a similar view showing the handle sections in a different position. Fig. 2 is a detail view showing the parts of the toy detached. Fig. 3 is a detail sectional view showing the spool with the hub and end wheels integral and the clapper or sounding bar made in two sections, so it can be applied over the hub of the spool. Fig. 4 shows a modification. Fig. 5 is a detail view showing the hub with the string holes bored longitudinally through it.

In carrying out the invention, I employ a handle composed of two sections A and B, which are pivoted together at C so the sections may be rocked to exert and release tension of the string D which carries the spool E. The handle sections are notched at F for engagement with the string loop to prevent the slipping of the latter and the spool E is caused to whirl first in one and then in the other direction of the action of the string D in the manner well understood by those accustomed to use toys of this character. The spool E has the end wheels E' and E² and is preferably made as shown in Fig. 2 with the hub E¹⁰ integral with the wheel E' and the wheel E² suitably secured to the end of the hub E¹⁰. It may be by gluing, by brads in holes E¹² as shown in Fig. 2, or in other suitable manner. The hub E¹⁰ is bored longitudinally forming the openings E¹¹ for the passage of the string D, such openings being on opposite sides of the center of the hub, as shown, and these openings are pref-

erably made through the end wheels E' and E² and in the form of grooves in the outer side of and longitudinally of the spool, thus securing the greatest distance from the axis of the hub, without preventing the rotation of the sounding bar G, which fits loosely upon the hub E¹⁰ so it can rotate thereon and can also play back and forward between the end wheels of the spool.

Manifestly instead of making the spool as shown in Fig. 2, with one end wheel separate from and secured to the end of the hub, the spool may be made in one piece as shown in Fig. 3 and the sounding bar be made in sections to fit over and be secured upon the hub, see Fig. 4. The string loop has its runs extended through the openings E¹¹ as best shown in Figs. 1 and 2 of the drawing.

In operation, as the string is operated to whirl the spool, the sounding bar will be caused to vibrate or knock, producing a rattling or buzzing sound. The sound bar may be made of different lengths and the sound produced by it will vary with the length. It will also be understood that when the whirling toy is in motion, there is a "wabble" of the wheel itself which adds very materially to its effectiveness and "noise making" properties.

The invention is simple, can be inexpensively produced and will furnish amusement when operated as before described.

Instead of grooving the hub to form the string holes, such holes may be bored longitudinally through the hub as shown in Fig. 5. This construction may be preferred as it gives more surface and reduces the tendency to cut the strings.

I claim:

1. A toy comprising a wheel adapted to be whirled by the action of a string and comprising a spool having a hub and wheels at the ends thereof, the wheels being pierced and the hub being provided in its outer side with longitudinal grooves in alinement with the holes pierced in the end wheels for the passage of a string and a sounding bar fitting loosely upon the hub and adapted to vibrate between the end wheels of the spool, substantially as set forth.

2. A toy comprising a wheel adapted to be operated by a string and consisting of a hub, end wheels thereon and a sounding bar fitting loosely on the hub and adapted

to vibrate between the end wheels, the spool having openings for the passage of the operating string, substantially as set forth.

3. A whirling toy comprising a handle
5 having pivoted sections, a double length of string between the said sections, a spool having openings for the passage of such lengths of string, the said spool comprising a hub and end wheels, and a sounding bar
10 fitting loosely on the hub and adapted to vibrate between the end wheels of the spool, substantially as set forth.

4. A whirling toy comprising two lengths

of string, a spool having a hub and end wheels and having the said end wheels provided with openings for the string and the hub provided with longitudinal grooves in
15 alinement with said openings and receiving said lengths of string, and a sounding bar fitting loosely on the hub and adapted to
20 vibrate between the end wheels of the spool, substantially as set forth.

GEORGE LAMONT WEBSTER.

Witnesses:

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