

T. SMITH.
 COMBINED AMUSEMENT AND ADVERTISING DEVICE.
 APPLICATION FILED JUNE 22, 1908.

933,495.

Patented Sept. 7, 1909.

2 SHEETS—SHEET 1.

Fig. 4.

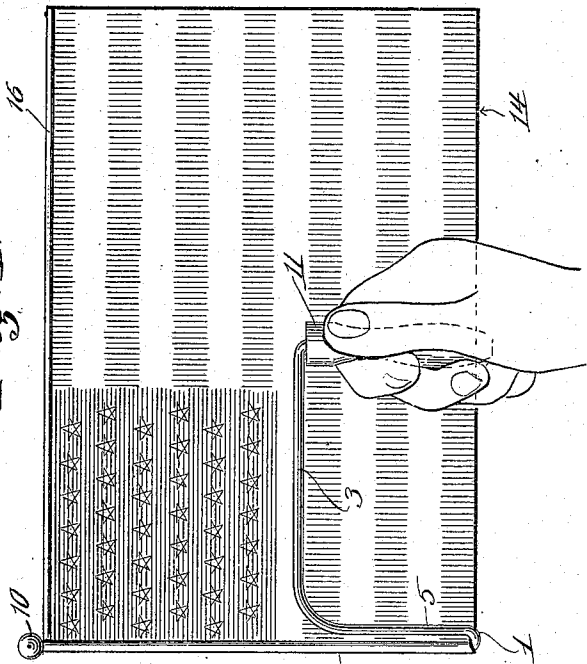
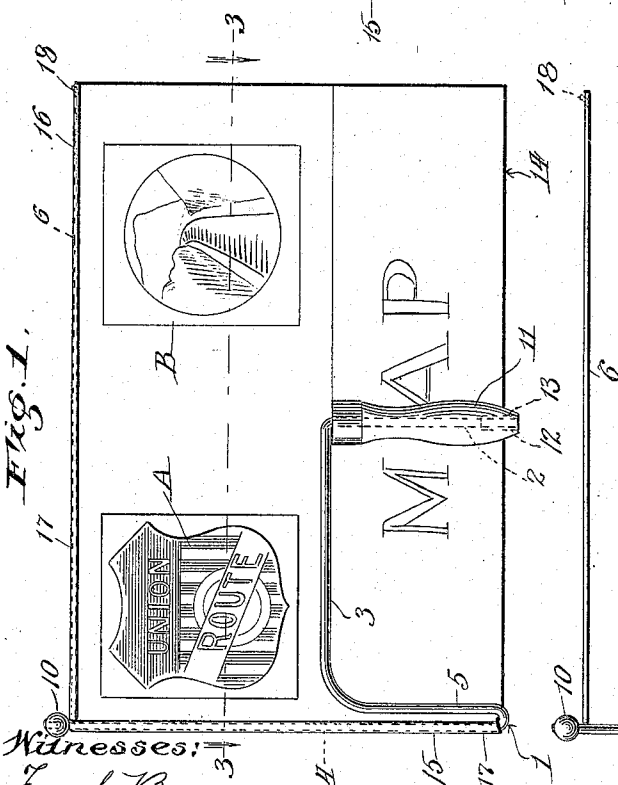


Fig. 1.



Witnesses:
 Frank Reman
 Lena S. Russell.

Fig. 3.

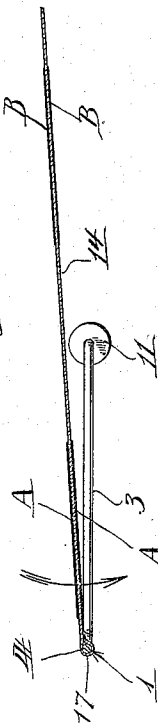
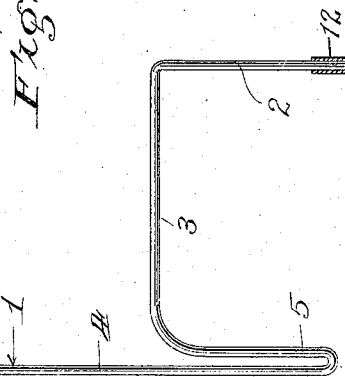


Fig. 2.



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 2 SHEETS—SHEET 2.

Fig. 7.

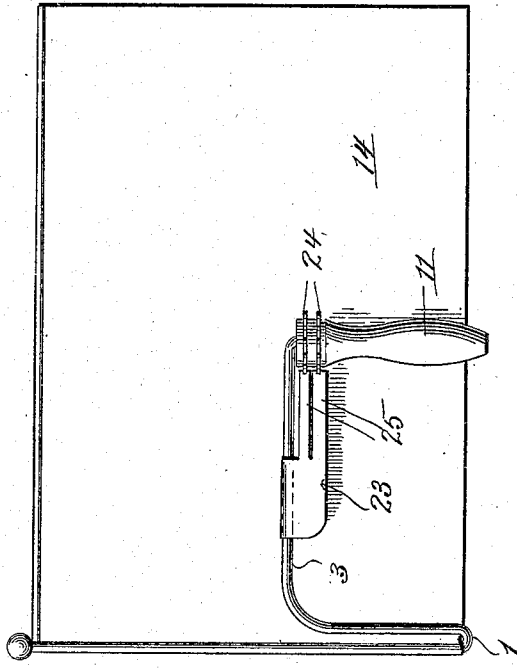


Fig. 8.

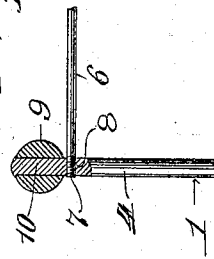


Fig. 5.

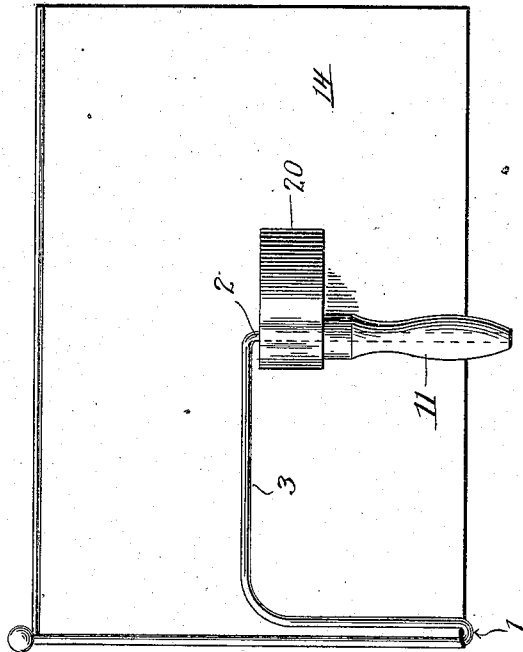
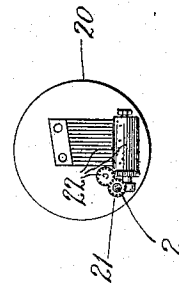


Fig. 6.



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UNITED STATES PATENT OFFICE.

THEODORE SMITH, OF CHICAGO, ILLINOIS.

COMBINED AMUSEMENT AND ADVERTISING DEVICE.

933,495.

Specification of Letters Patent.

Patented Sept. 7, 1909.

Application filed June 22, 1908. Serial No. 439,688.

To all whom it may concern:

Be it known that I, THEODORE SMITH, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Combined Amusement and Advertising Devices, of which the following is a full, clear, and exact description.

This invention relates to improvements in a combined amusement and advertising device, the object being to provide an attractive and interesting device of simple and comparatively inexpensive construction, for use as an advertising medium, toy or fan.

With these objects in view, the invention consists in a whirling sheet upon which is printed the advertisement or ornamental design, a frame for the sheet and a handle by means of which the sheet may be whirled around at a high rate of speed to provide a particular optical illusion.

It further consists in the several novel features of construction, combinations and arrangements fully set forth in this specification and pointed out in the claims.

The invention is clearly illustrated in the drawings accompanying this specification, in which—

Figure 1 is a side view of a device containing my invention and illustrating one form thereof. Fig. 2 is a side view of the supporting frame. Fig. 3 is a section taken on line 3—3, Fig. 1. Fig. 4 is a side view of the device with a different form of design applied to the sheet. Fig. 5 is a side view of the device with the addition of a music box for increasing its attractiveness. Fig. 6 is a plan view of the music box with its cover removed. Fig. 7 is a side view of the device with a rattler added to it and Fig. 8 is a detail view of a fragment of the frame.

In these views, 1, is the frame of the device, which frame is preferably constructed of rods or wire of the proper form to support the sheet and handle. As shown this frame comprises an upright spindle 2, a radially extending arm, 3, a vertical post 4, which is preferably bent into the form of a U, 5, at its lower end, and a horizontal bar or arm 6. The arm 3, is approximately half as long as the arm 6, thereby bringing the axis of the spindle 2, about midway between the ends of the arm 6. The entire frame may be whirled around the spindle 2, the post 4,

acting as a sort of weight for assisting the operator to whirl the frame. In the preferred form of construction one end of the horizontal arm 6, is screw threaded as at 7, and screwed into a screw threaded hole 8, 60 in the upper end of the post 4, and a knob, ball or other ornament 9, is placed upon an extension 10, of the post 4, and secured in place thereon, as by upsetting or heading the end of the extension over the ornament. 65 The particular form of construction thus far described is immaterial to my invention broadly considered, as any desired form of construction can be substituted for it.

The spindle 2, carries a handle 11, which 70 is free to turn upon the spindle, but is held against longitudinal movement thereon by any suitable means, the one shown consisting of a sleeve of rubber 12, which surrounds the lower end of the spindle and 75 rests in a socket 13, formed in the lower end of the handle 11. The frictional engagement between the spindle and rubber sleeve effectually prevents accidental removal of the handle, and the radial arm 3, 80 limits the movement of the handle in the opposite direction. It is obvious that in place of the rubber sleeve connection, a metal washer may be placed upon the end of the spindle, and the latter headed upon 85 the washer.

The sheet which bears the advertisement, design or other ornament, is seen at 14, and is preferably of rectangular form, two edges 15, 16 of which are secured upon the post 4, 90 and arm 6, respectively. The connection between the sheet and frame may be made in any suitable manner, as for instance by forming a hem 17, along each edge 15, 16, and slipping the post and arm into the same. 95 I prefer to form a bend 18, upon the distal end of the arm 6, after the sheet has been put in place upon the arm, said bend being employed to hold the sheet in place upon the arm. Said bend will engage with the 100 hem or it may be forced out through the material, thereby preventing the sheet from being pushed back upon the arm.

I prefer to make the sheet out of some light fabric, such as cloth, although it is 105 evident that any light material may be employed. Upon this sheet I print, paint or otherwise affix an advertisement, display, ornamental design, or other picture. To make a very effective, pleasing and attract- 110

ive form of advertisement, the main feature A of the advertisement is placed adjacent to the post 4, and is printed in some very distinct, clear manner, to form a figure or design of strong, sharp and distinct form. This figure or display is duplicated upon the opposite face of the sheet, immediately behind the figure on the front face, so that when the sheet is turned around to present the opposite side to view, the figure will appear on the right hand side of the sheet, the effect being that when the device is whirled rapidly around the handle, two pictures will be seen, one being upon the left-hand side of the sheet and one upon the right-hand side. To make an effective illusion a second picture B, may be placed upon the right-hand side of the sheet, which picture should be dimmer or of a less distinct or brilliant type than the display A. This picture may also be duplicated upon the opposite face of the sheet, immediately behind the front picture B. If the device is whirled rapidly, the effect will be that the picture B, will disappear from view and the display A, will appear upon both sides of the center of the sheet, the sharper, more distinct picture completely overshadowing the less brilliant one. If the picture or display be placed centrally on the sheet, and the device whirled around, the picture will remain visible while the device is being whirled.

In the form shown in Fig. 4, a flag is represented upon the sheet. When this device is whirled around, the blue ground and stars will appear on both sides of the center of the sheet, leaving a space between the two images which is filled with red and white bars.

In the form shown in Figs. 5 and 6, a music box 20, is shown, which box is mounted upon the handle 11. The spindle of the frame has secured upon it a pinion 21, which drives the operating mechanism 22, of the music box. By holding the handle in the hand and whirling the frame and sheet around, the operating mechanism 22, will be driven by the pinion 21, which rotates with the spindle of the frame.

In Fig. 7, a rattle 23, is substituted for the music box, the toothed disk of the rattle 23, being mounted upon the handle and the tongues 25, being mounted upon the arm 3, of the frame.

It is obvious that other forms of musical instruments or like devices may be substituted for the music box or rattle, thus forming a very amusing, interesting and attractive device or toy. Furthermore, that various forms of designs, pictures, or advertisements may be placed upon the sheet, or the sheet may be decorated in any artistic manner and the device used as a fan, the rapid whirling of the device driving the air away

from it and against the person, while the sheet itself drags around the hand of the user and agitates the air around the hand, thus having a cooling effect thereon. It should be noticed that the sheet 14, lies behind the handle 11, as seen in Figs. 1, 4, 5 and 7, the effect being that the sheet will maintain a substantially flat condition, except as it is bowed around the hand, while being whirled in the direction indicated by the arrow in Fig. 3. If the sheet is placed on the front side of the handle, the lower edge will curl upward and mar the effect.

I am aware that various alterations and modifications of this device are possible without departing from the spirit of my invention, and I do not therefore desire to limit myself to the exact forms shown and described, except as may be necessitated by the state of the art.

I claim as new and desire to secure by Letters Patent:

1. A whirling sheet, having a display or ornamental design on its face and a centrally located handle therefor lying substantially within the margin of the sheet and around which the whirling element may be whirled.

2. A whirling ornamented element, having a centrally located handle lying substantially within the margin of the element and around which said element may be whirled.

3. A whirling display sheet, having a centrally located handle, lying substantially within the margin of the sheet and around which said sheet may be whirled.

4. A whirling sheet having a display upon one side of its vertical center and a handle for said sheet, lying substantially within the margin of the sheet and around which said sheet may be whirled.

5. A whirling sheet having an ornamented surface and a display of more pronounced distinctness, and a centrally located handle for said sheet lying substantially within the margin of the sheet and around which said sheet may be whirled.

6. A whirling sheet, having duplicate ornamentations, or displays upon its opposite faces, and a handle for said sheet, lying substantially within the margin of the sheet and around which said sheet may be whirled.

7. A whirling sheet, having a display or ornament on one face at one side of its vertical center and a duplicate display or ornament upon its opposite face and immediately behind the first named display or ornament, and a handle for said sheet around which said sheet may be whirled.

8. A whirling sheet, having on one face an ornamental surface and a more pronounced display or figure located at one side of its vertical center, and a duplicate ornamental surface and a more pronounced display or figure upon its reverse face, said second named display or figure being lo-

cated immediately behind the first named display or figure, and a handle for said sheet around which said sheet may be whirled.

9. A whirling sheet, a centrally located handle therefor, a spindle rotatably mounted in said handle and connected to one side edge of the sheet.

10. A whirling sheet, having a weighted edge, a handle centrally located with respect to said sheet, and a connection between said handle and sheet which is revolubly mounted in the handle.

11. A whirling sheet, having a weighted edge, a handle, centrally located with respect to the sheet, a spindle journaled in said handle and an arm connecting said spindle with the weighted edge.

12. A whirling display sheet, having a weighted edge, a handle centrally located with respect to the sheet, a spindle, in said handle, a rubber sleeve for holding said handle on the spindle and a radial arm connecting the spindle with the weighted edge of the sheet.

13. A whirling sheet having a space at one side of its vertical center for advertisements or other display matter, a frame for said sheet having a radial arm extending to the center of the sheet and a spindle upon the end of said arm, and a handle revolubly mounted upon said spindle.

14. A whirling sheet having duplicate spaces upon its opposite faces for display advertisements or ornamental designs, and a centrally located handle for whirling said sheet, having an arm extending to one of the edges of the sheet.

15. A frame for whirling display sheets, comprising a post, an arm extending at right angles from the upper end of the post, a second arm of approximately one-half the length of the first named arm and extending parallel therewith, and a spindle for a handle upon the end of the second named arm, extending parallel with the post.

16. A frame for whirling display sheets comprising a post, a laterally extending arm threaded in said post, a U bend in the lower end of said post, terminating in a second arm of substantially one-half the length of the first named arm, and lying parallel therewith, and a spindle for a handle upon

the end of the second named arm lying parallel with the post.

17. A handle, a whirling frame revolubly mounted in said handle, a flexible sheet carried by said frame and extending down over the handle and adapted to drag around the hand as the frame is being whirled.

18. In a device of the class described, a whirling frame having a spindle, a handle and a rubber sleeve encircling the end of said spindle and engaging the handle to prevent accidental removal thereof.

19. In a device of the class described, a whirling sheet, a supporting frame therefor and a centrally located handle upon which said frame is revolubly mounted, said sheet being provided with duplicate displays at one side of its vertical center, one of the displays being on one face of the sheet and the other upon the other face and directly behind the other display, whereby, when said sheet is whirled, two displays will appear to be continuously visible.

20. In a device of the class described, a whirling sheet and a centrally located handle therefor, upon which said sheet is revolubly mounted, said sheet being provided with an ornamental surface, on both faces, and a display of more pronounced distinctness at one side of the vertical center of the sheet, which will appear to be continuously visible at one side of the vertical center when the sheet is whirling around rapidly.

21. In a device of the class described, a whirling sheet having two displays arranged on opposite sides of its vertical center, one of said displays being of greater distinctness than the other, and a centrally located handle upon which said sheet is revolubly mounted, whereby when said sheet is whirled rapidly, the display of greater distinctness will overshadow the one of lesser distinctness and appear to be continuously visible on one side of the vertical center of the sheet.

In witness whereof I have executed the above application this 12th day of June 1908, at Chicago, county of Cook and State of Illinois.

THEODORE SMITH.

Witnesses:

CHARLES O. SHERVEY,
FANNIE F. RICHARDS.