

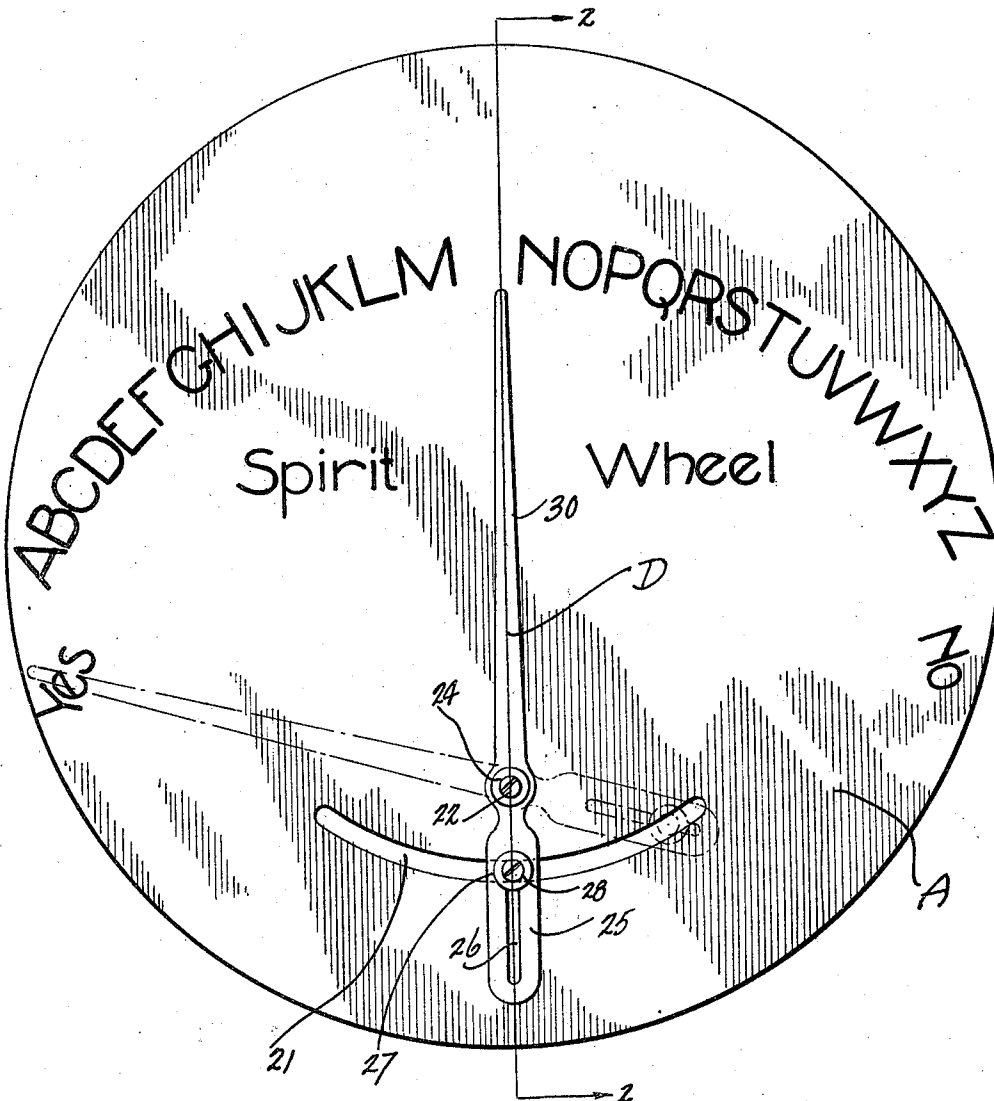
W. H. SWALLOW.
SPIRIT WHEEL.
APPLICATION FILED JUNE 26, 1920.

1,418,686.

Patented June 6, 1922.

2 SHEETS—SHEET 1.

Fig. 1.



W. H. Swallow.
Inventor

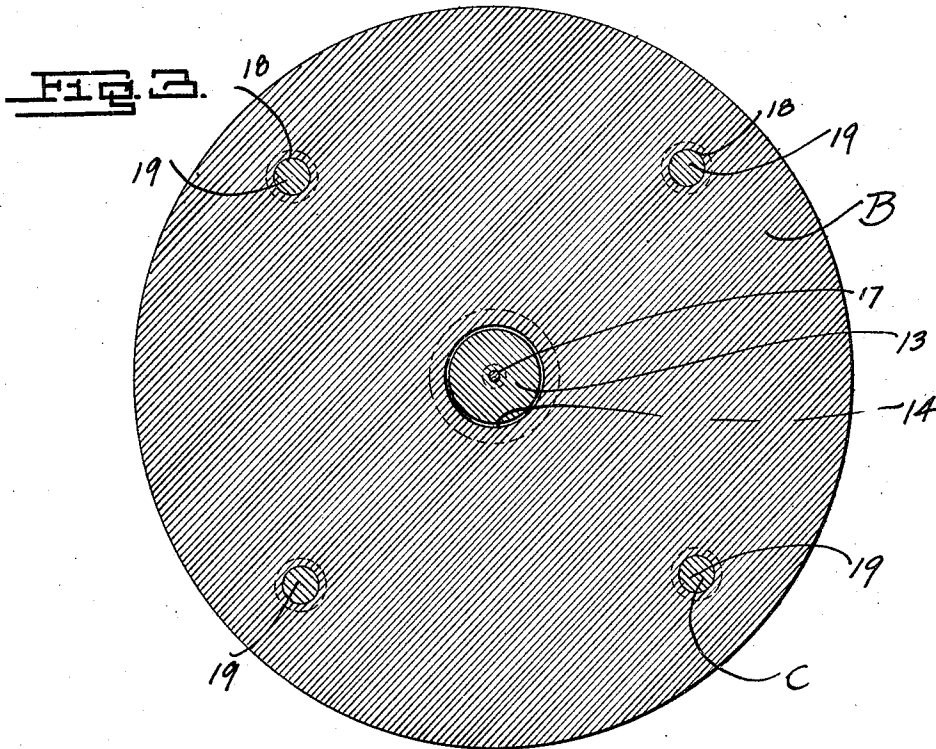
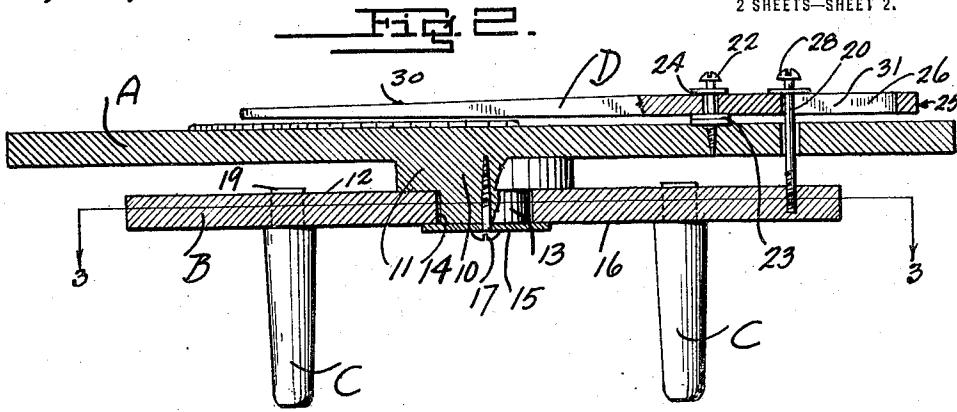
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UNITED STATES PATENT OFFICE.

WILLIAM H. SWALLOW, OF JOHNSTOWN, PENNSYLVANIA.

SPIRIT WHEEL.

1,418,686.

Specification of Letters Patent. Patented June 6, 1922.

Application filed June 26, 1920. Serial No. 391,559.

To all whom it may concern:

Be it known that I, WILLIAM H. SWALLOW, a citizen of the United States, residing at Johnstown, in the county of Cambria and State of Pennsylvania, have invented certain new and useful Improvements in Spirit Wheels, of which the following is a specification.

This invention relates to a spirit wheel for conveying messages from the unknown to the living world.

An important object of the invention is the provision of a spirit wheel of the above described character having characters thereon and means to readily respond in performing the function of conveying messages.

A further object of the invention is the provision of a device of the above described character embodying a wheel or disc having characters thereon, such as phrases, alphabet, and the like, and an indicating hand for spelling or designating messages upon the wheel upon placing of the hands or fingers upon the wheel to operate the same.

Other objects and advantages will be apparent during the course of the following detailed description:

In the accompanying drawings forming a part of this specification and in which like reference characters designate like parts throughout the same:

Figure 1 is a plan view of the spirit wheel.

Figure 2 is a cross sectional view taken on the line 2—2 of Figure 1.

Figure 3 is a horizontal cross sectional view taken on the line 3—3 of Figure 2.

In the drawings, wherein for the purpose of illustration is shown a preferred form of my invention; the letter A designates the spirit wheel pivotally mounted upon a base B, which base is further supported upon legs C. An indicating arm D is so arranged upon the wheel A as to assume various positions with respect thereto.

The wheel A is preferably circular in formation having a hub 10 thereon comprising a portion 11 which bears upon the upper surface 12 of the base B, and a circular portion 13 pivotally mounted within an aperture 14 in the base B. The wheel A is held within the aperture 14 by a disk 15, preferably of metal, which bears against the under surface 16 of base B, and is held

upon hub 10 of the wheel A by a screw 17 or the like.

The base B is preferably circular in formation, and is provided with apertures 18 for the reception of the reduced ends 19 of posts C. A post 20 preferably a screw, is rigidly mounted in the base B and remote from the aperture 14 therein, and projects upwardly through a slot 21 in the wheel structure A, which slot is formed in the wheel structure A preferably concentric with the pivot thereof.

The indicating arm D is pivoted upon the upper face of the wheel A intermediate the wheel pivot and the slot 21 formed in the wheel A, by a screw 22 or some similar pivoting means. The indicating arm D is suspended free from contact with the surface of the wheel A by washers 23, and is maintained on the screw 22 by washer 24. An end of the indicating arm 25 is provided with a slot 26, adapted to freely receive the post 20 rigidly mounted in the base B, a washer 27 being provided intermediate the head 28 of the post 20 and the upper surface of the indicating arm to prevent the indicating arm from becoming disengaged with the post 20. The pointer 30 of the indicating arm D is arranged to assume various positions upon the wheel A, such as indications of the letters of the alphabet which are arranged in line formation, upon the surface of the wheel A concentric with the pivot of the indicating arm D. The limits of movement of the pointer end 30 upon the board A are defined by the words "Yes" and "No."

In operation the person or persons seat themselves about the circumference of the wheel A and place their fingers or hands upon the surface adjacent the edges thereof and in light contact therewith. The portion 11 is so arranged upon the hub 10 that the wheel A is spaced from the base B, and the bearing surfaces offer such slight resistance that the wheel A is capable of being turned by involuntary movement of the hand of the operator. As the wheel A moves, it naturally tends to move the pointer D along with it. However, the post 20 which projects upwardly through the slot 21 in the wheel A, is rigidly fastened to the base B. Since there is no movement of the base B with respect to the wheel A, the

post 20 will abut against the inside face or faces 31 of the slot 26, and tend to move the indicating arm D upon its pivot 22, to designate various characters upon the surface of the wheel A.

It is to be understood that the form of my invention herewith shown and described is to be taken as the preferred example of the same, and that various changes in shape, size and arrangement of parts may be resorted to without departing from the spirit of the invention or the scope of the subjoined claims.

I claim:

1. In a spirit wheel, the combination of a base, a wheel pivoted upon said base, an indicating arm pivoted upon said wheel, and means mounted upon said base and engaging said indicating arm whereby the indicating arm assumes various positions with respect to the wheel upon oscillation of the wheel upon its pivot.

2. In a spirit wheel, the combination of a wheel capable of oscillation on a pivot, an indicating arm pivoted upon said wheel, and fixed means independent of said wheel for slidably engaging said indicating arm whereby the indicating arm assumes various positions with respect to the wheel upon oscillation of the wheel upon its pivot.

3. In a spirit wheel, the combination of a base, a wheel pivoted upon said base having a slot therein concentric with the pivot, an indicating arm pivotally mounted upon said wheel adjacent the slot, and a post mounted upon said base projecting upwardly through said slot to freely engage the indicating dial and adapted to make the indicating arm assume various positions with respect to the wheel upon oscillation of the wheel upon its pivot.

4. In a spirit wheel, the combination of a base, a wheel pivoted upon said base having designating characters thereon, and having a slot therein concentric with said pivot, an indicating arm pivotally mounted upon said wheel adjacent the slot and having a slot therein, and a post rigidly mounted upon said base and projecting through said slot in the wheel to freely engage within the slot in the indicating arm, and adapted to make the indicating arm assume various positions with respect to the wheel upon oscillation of the wheel upon its pivot.

5. In a spirit wheel, the combination, of a base, a wheel pivoted upon said base, an indicating arm pivoted upon said wheel, said wheel having designating characters thereon in a curved line concentric with the pivot of said indicating arm, and means mounted upon said base and engaging said indicating

arm whereby the indicating arm is made to point out various characters on the wheel upon oscillation of the wheel upon its pivot.

6. In a spirit wheel, the combination of a base, a circular wheel pivoted upon said base, an indicating arm pivoted upon said wheel intermediate the wheel's pivot and an edge of the wheel, and means mounted upon said base to loosely engage the indicating arm whereby it is moved with respect to the wheel upon oscillation of the wheel upon its pivot.

7. In a spirit wheel, the combination of a base, a circular wheel pivoted upon said base having a slot therein concentric with its pivot, an indicating arm pivoted upon said wheel intermediate the wheel's pivot and slot therein, and means mounted upon said base to loosely engage the indicating arm whereby it is moved with respect to the wheel upon oscillation of the wheel upon its pivot.

8. In a spirit wheel, the combination of a base, legs mounted upon said base and supporting the same, a circular wheel having an extending hub thereon pivoted upon said base and spacing the wheel from the base, said wheel having designating characters thereon and having a slot therein concentric with the pivot of the wheel, an indicating arm pivotally mounted upon said wheel intermediate the wheel's pivot and the slot, said arm having a slot therein, and a post rigidly mounted upon said base and projecting upwardly through said slot in the wheel and freely engaging within the slot of the indicating arm, and adapted to ride against the inside faces of said slot in the indicating arm to make the indicating arm assume various positions with respect to the wheel upon oscillation of the wheel upon its pivot.

9. In a spirit wheel, the combination of a base, a wheel pivoted upon said base having characters thereon and a slot therein, an indicating arm pivotally mounted upon said wheel intermediate the wheel's pivot and the slot in the wheel, and means mounted upon said base and freely engaging said arm to make the arm designate various characters on the wheel upon pivotal movement of the wheel.

10. In a spirit wheel, the combination of a base, a wheel pivotally mounted upon said base, an indicating arm eccentrically pivoted upon said wheel with respect to said wheel pivot, and means stationary with said base for engaging the indicating arm, whereby said indicating arm assumes various positions upon said wheel upon oscillation thereof.

WILLIAM H. SWALLOW.