

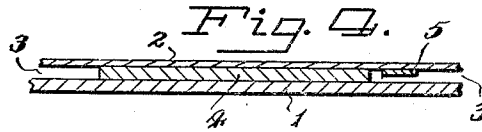
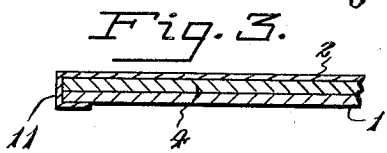
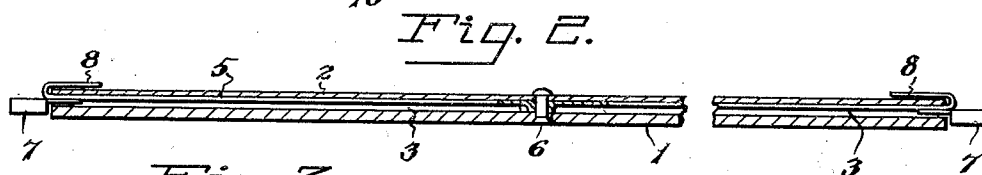
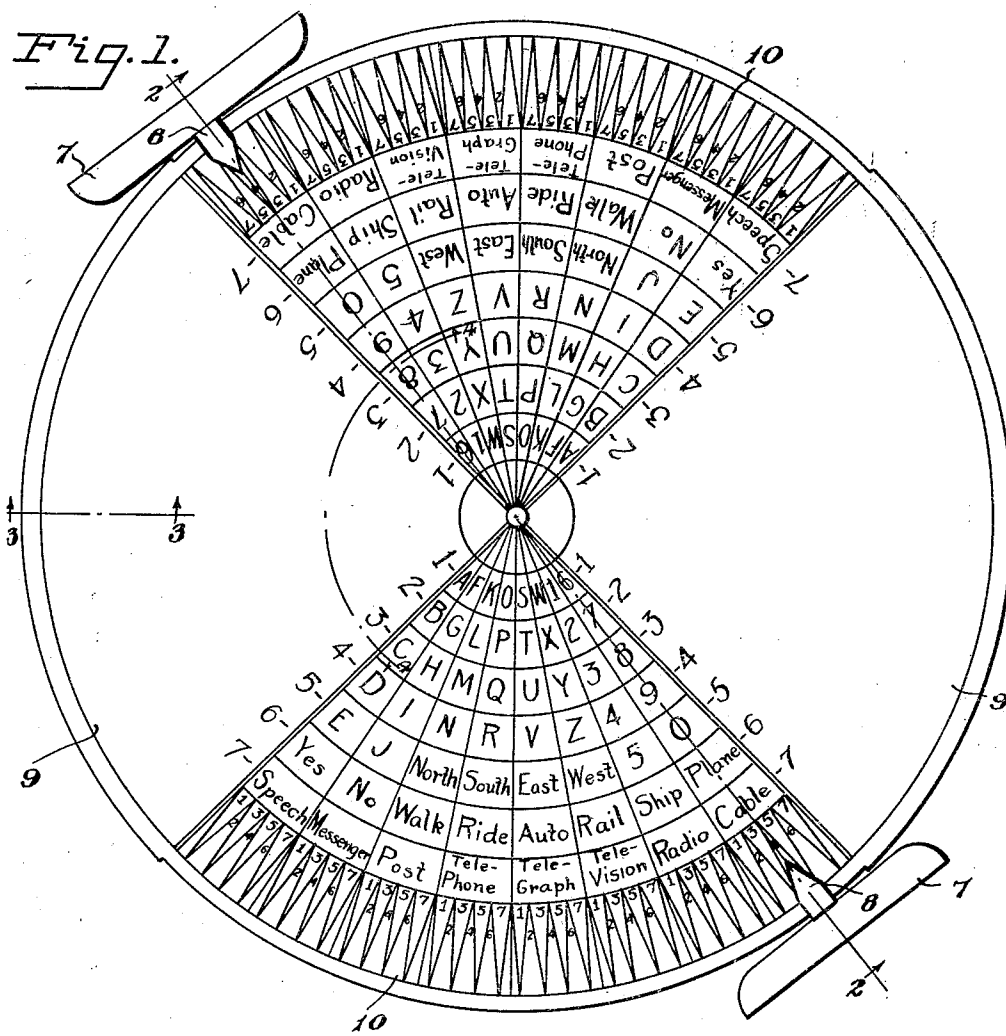
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H. C. ENGE

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AMUSEMENT DEVICE

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UNITED STATES PATENT OFFICE

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AMUSEMENT DEVICE

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This invention relates to a puzzle of the nature embodying a base, a top bearing matter arranged in radial and circumferential rows and indicia designating the circumferential rows, and a pivoted member provided with pointers and finger rests, the pointers coacting with the indicia to designate the matter in the solution.

Because of its general circular outline and the manner of solution, the device is designated "The magic wheel" and comprises a base, a top mounted upon the base and having opposed portions spaced therefrom, and a member disposed between and operable in the spaces formed between the base and top and pivoted thereto and having its ends projecting and provided with finger rests and pointers.

While the drawings illustrate a preferred embodiment of the invention, it is to be understood that in adapting the means to meet specific needs and requirements, the design may be varied and changes in the minor details of construction may be resorted to within the scope of the invention as claimed without departing from the spirit thereof.

For a full description of the invention and the merits thereof, reference is to be made to the following description and the drawings hereto attached, in which:

Figure 1 is a top plan view of a device illustrative of an embodiment of the invention.

Figure 2 is an enlarged sectional view on the line 2—2 of Figure 1, parts being broken away.

Figure 3 is a fragmentary sectional view on the line 3—3 of Figure 1.

Figure 4 is a fragmentary sectional view on the line 4—4 of Figure 1.

Corresponding and like parts are referred to in the following description and designated in the several views of the drawings by like reference characters.

The device comprises a base 1 which may be of any determinate outline, size and material. A top 2 is mounted upon the base 1 and is preferably of circular outline and has opposed portions spaced from the base, as indicated at 3. Fillers 4 are interposed between the base 1 and top 2 and usually are of

sector outline. The fillers 4 may be of any suitable material and are attached to the base and top preferably by glue or other adhesive. A member 5 is disposed between the top and base and is pivoted thereto as indicated at 6. The member 5 consists of a flat bar and projects beyond the top 2 and is provided with finger rests 7 and pointers 8. The pointers 8 overlap the marginal portion of the top 2 whereas the finger rests 7 are located beyond and adjacent the top and base. The spaces 3 are opposed and of sector outline. The fillers 4 are opposed and intermediate the spaces and are preferably of sector outline. The indicating member 5 is free to move in the spaces 3 and the finger pieces 7 consist of narrow strips disposed crosswise of the member and projecting at opposite sides thereof to like distances.

The exposed or upper surface of the top 2 is divided to present opposed spaces 9 and intermediate opposed spaces 10. The spaces 9 and 10 are of sector outline and may be of any extent, according to the formation of the device. The spaces 9 are of uniform size and may be plain or finished in any manner, that is, they may bear embellishment, decorative or descriptive matter. The spaces 10 bear corresponding matter which is arranged in radial and circumferential rows. Each circumferential row is of uniform width throughout, whereas the radial rows increase in width from the center outwardly because defined by radial lines. Each of the spaces 10 bears letters of the alphabet, numbers from 0 to 9 inclusive, names of the cardinal points of the compass, words indicative of the affirmative and the negative, words indicating manner of transportation and words indicating manner of communication. The circumferential rows are designated by numerals which range in order from the center outwardly. For convenience, the circumferential rows have like indications at opposite ends. This prevents any possible confusion in the location of an indicated row in the solution of the puzzle. The outermost or marginal row is divided into two sets of triangular spaces which interleave for compactness. The outermost space of each of the ra-

dial rows bears numbers corresponding to the number of circumferential rows and these numbers appear on the triangular spaces. In the present instance, there are seven circumferential rows, hence the outermost space of each of the radial rows bears seven numbers from 1 to 7 inclusive, whereby to designate the circumferential row indicated by the pointer 8.

10 The device illustrated is designed for use by two individuals positioned opposite one another with the device suitably supported between them. The tips of two digits of the hand of each person rests lightly but firmly upon an element 7. The individuals concentrate their attention upon a question when the pivoted member 5 moves and comes to rest opposite a numbered triangular space of a radial row of indications. This designates that some indication, letter, number, word or legend of the radial row in line with the pointer 8 is to be considered. By referring to the number of the group at the outer end of the radial row, the circumferential row containing the indication is designated, the indication appearing at the intersection of the circumferential and radial rows. An affirmative answer to a question appears in the first or left hand radial row and the sixth circumferential row. A negative answer to a question appears in the second radial row and the sixth circumferential row. In the event of the answer to a question being determined by a combination of matter, the pivoted member 5 will move from one radial row to the other and pause momentarily to designate the radial row in which the letter appears, the circumferential row in which the letter appears also being designated by the number in the outermost space of the radial row indicated by the pointer 8.

It is observed that the indications, words, legends, and the like appearing in the various radial and circumferential rows may vary according to the caprice of the designer and the range and capacity of the device. The materials embodied in the construction will depend largely upon the cost of the article and in the event of the top 2 consisting of sheet metal its outer edge may be bent across the base and engage thereunder as indicated at 11 in Figure 3 of the drawings.

What is claimed is:

1. A device of the character specified comprising a base, a top thereon having opposed sector shaped spaces spaced from the base and provided upon its upper side with radial and intersecting circumferential rows of characters and groups of numbers at the outer ends of the radial rows, and a member pivoted between the base and top and having end portions operable in the sector shaped spaces and provided at their extremities with finger rests and points.

2. A device of the character described com-

prising a base, a top mounted above the base in spaced relation thereto and having its upper face provided with opposed sector-shaped spaces, each sub-divided to define circumferential and radial rows of spaces having characters and legends therein, the circumferential rows being designated by numbers and each of the radial rows having its outer end portion divided longitudinally into a plurality of spaces having therein numbers corresponding in number to the circumferential rows of spaces and designated by numerals, and a member pivoted between the base and top and having its ends projecting outwardly, each end being provided with a finger piece disposed beyond the marginal edges of the top and base and a pointer overlying the upper face of the top.

3. A device of the character described comprising a base, a top, fillers between the base and top, retaining the top in an elevated position and having their side edges spaced from each other to provide spaces between the top and base, the upper face of the top being divided into sectors disposed above the fillers and other spaces between the same, the sectors above the spaces between the top and base being provided with radial and intersecting circumferential rows of characters and groups of numbers at the outer ends of the radial rows and a member pivoted between the base and top and extending radially thereof through the spaces between the fillers between their ends projecting from the spaces, each end being provided with a pointer overlapping the outer face of the top and a finger piece disposed beyond the margins of the base and top in crossed relation to the member and projecting from opposite sides thereof.

In testimony whereof I affix my signature.
HILDA C. ENGE. [L. S.]