

J. C. PATTERSON.
PUZZLE.
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1,085,994.

Patented Feb. 3, 1914.

Fig. 1.

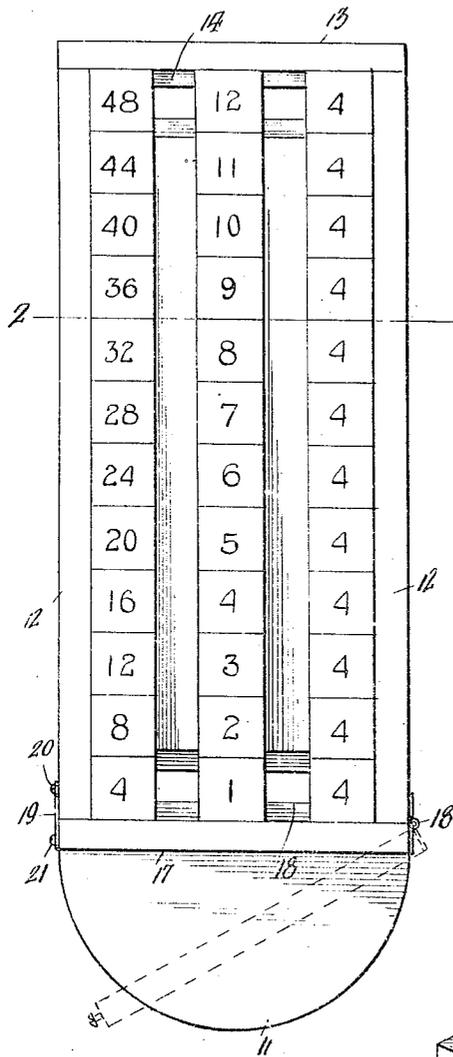


Fig. 2.

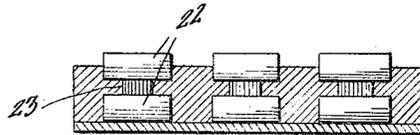


Fig. 3.

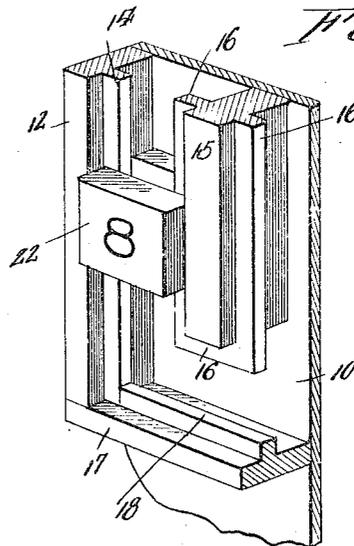
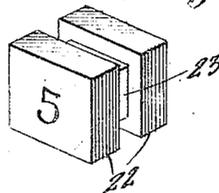


Fig. 4.



WITNESSES
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PUZZLE.

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To all whom it may concern:

Be it known that I, JOSEPH CHARLTON PATTERSON, a citizen of the United States, residing at Oklahoma, in the county of Oklahoma and State of Oklahoma, have invented new and useful Improvements in Puzzles, of which the following is a specification.

My invention relates broadly to the class of puzzles and more preferably to a device of this nature which also serves as a calculating device.

My invention as is apparent with the hereinafter appearing disclosure, will prove very instructive as it will be amusing to either older or younger people and it is thought that the same, being constructed of only a few simple parts can be manufactured and placed upon the market at a minimum cost.

My invention, while termed a puzzle, has means provided therein which have to be moved into certain places, but after these means have been moved into position, they will form the different numerical tables, for instance, two table, three table, four table, etc. It takes a great deal of skill and is very amusing when trying to move the different means into place, but after they have been moved into place the device can be used for teaching children arithmetic and may be also termed as an educational product.

With the above and other objects in view, my invention relates to such details of construction and in the arrangement and combination of the several parts as will be hereinafter fully described and specifically pointed out in the appended claim.

In describing my invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is a plan view of my invention. Fig. 2 is a sectional view taken upon line 2—2 of Fig. 1. Fig. 3 is a perspective view showing the parts of my invention in section, and Fig. 4 is a perspective view of one of the operating blocks.

In the accompanying drawings wherein is illustrated the preferred form of my invention, the numeral 10 designates the body portion of the device which is in the form of an elongated plate being curved at its rear end as shown at 11 for the purpose that will be hereinafter set forth. Side pieces 12

and an end piece 13 are provided, the end piece engaging one of the extremities of the side pieces and each piece having an inwardly extending flange 14 provided thereon as is shown. A central strip 15 is provided in the device which has a pair of flanges 16 projecting from opposite sides thereof, these flanges being in alignment with the flanges formed upon the side pieces 12. The central strip extends to and engages the end piece 13, however, it is reduced in length with respect to the side pieces. Another end piece 17 is provided and pivoted upon one of the side pieces as shown at 18, it also having a flange 19 provided thereon, the latter being spaced from the body portion the same distance as the rest of the flanges so that all are disposed in the same horizontal plane. A catch such as designated by the numeral 19 is provided and pivoted upon one of the side pieces as shown at 20 engaging screw 21 carried upon the end piece at certain times for holding the same in position.

A plurality of operating members such as shown in Fig. 4 are provided which consists of upper and lower blocks 22, being spaced apart through the medium of the sections 23. The outer faces of the blocks are provided with suitable numerals such as shown in all the views so that when placed in suitable positions upon the board, they will engage different numerical tables.

Upon reference to the drawings, it will be apparent that the spacing section 23 is of comparatively less diameter than the blocks so that they may slip between the flanges 14 and 16 or 18 and 16 very easily. By this arrangement it is apparent that the blocks can be moved within the device when occasion requires, however, they can not be removed therefrom unless the pivoted end is removed.

In the operation of my invention, blocks are disposed in the device leaving the 36th one out. The end member is then closed and the blocks are moved to assume suitable positions to form a suitable numerical table. By leaving one of the blocks out, this allows the rest to be moved within the device so that they may be disposed in place. After all the rest of the blocks have been moved into position, the 36th block can be disposed in place and as is apparent a table will be formed.

Numbers of different denomination are

provided upon the reverse side of the operating blocks so that they may be turned over and other tables formed at the will of the operator.

5 From the foregoing, it is thought that the advantages and novel features of my invention will be readily comprehended.

I desire it to be understood that I may make slight changes in the construction and in the arrangement and combination of the several parts, provided, however, such changes fall within the scope of the sub-joined claim.

10 Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent, is:—

In a device of the character described, a puzzle comprising a body portion, side pieces disposed upon said body portion, an end piece carried by said body portion, flanges projecting inwardly from said side

pieces and said end piece, a central strip disposed in said body portion and having flanges formed upon the vertical sides thereof, an end piece pivoted upon one of said side pieces, means for securing said last mentioned end piece in place, a flange formed upon said last mentioned end piece and in alinement with said first mentioned flanges, members slidable between said side pieces and said central strip, said members comprising blocks, means including a spacing section for holding said blocks out of engagement with each other, said spacing section being of less diameter than said blocks thereby allowing the latter to move between said flanges as and for the purpose set forth and described.

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Witnesses:

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