

(No Model.)

2 Sheets—Sheet 1.

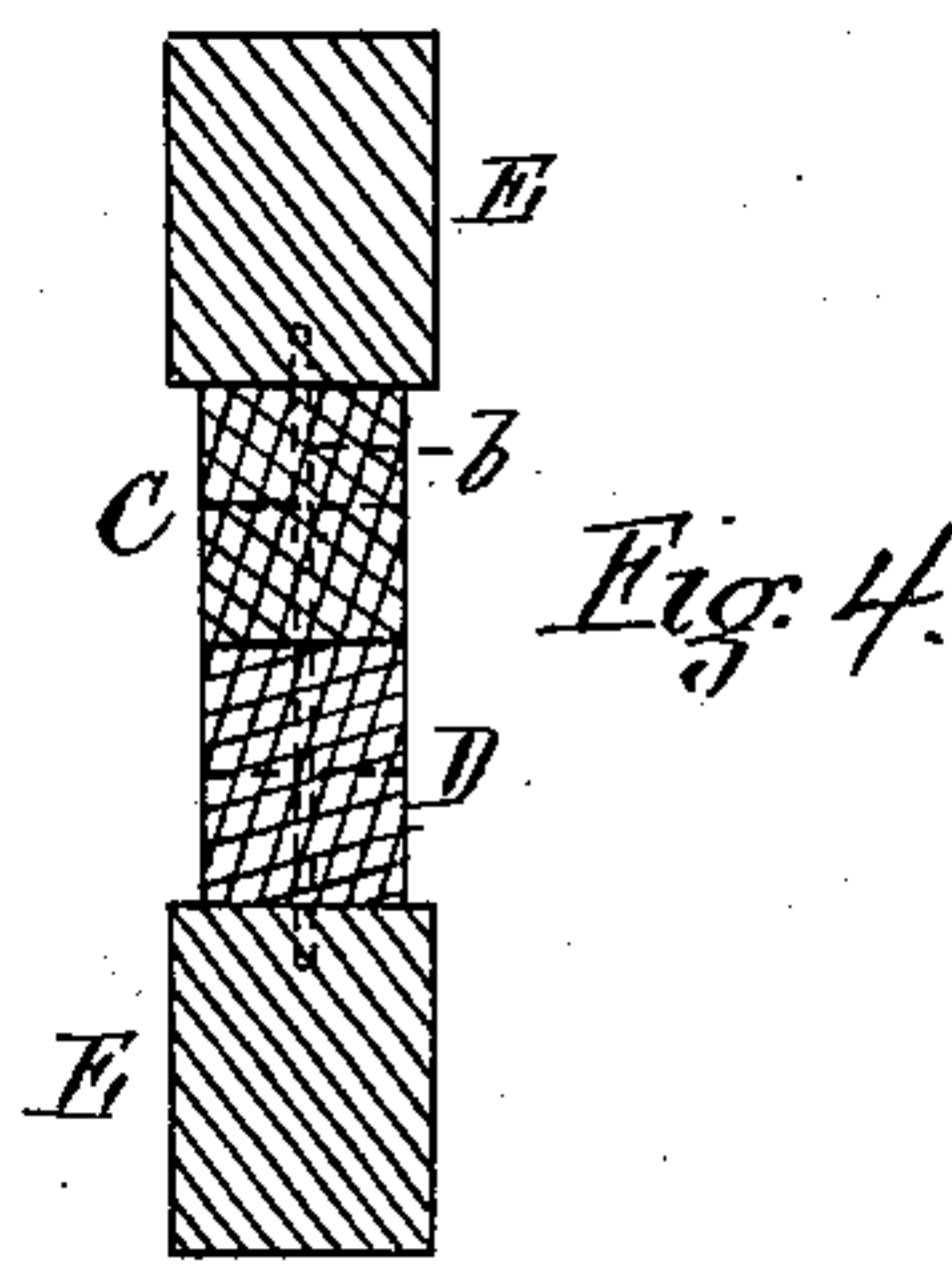
W. S. REED.
GAME APPARATUS.

No. 363,848.

Patented May 31, 1887.

Fig. 1.

How can a X Y man make his coat last					
			What three P's O & rule the world		
When is a man obliged D K to keep his word—					What word contains all B I the vowels in their proper order
		By making 2 3 his vest and pants first.			
				Facetious 36	
	Press y y Butt and Petticoats				When no 4 4 one will take it



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Fig. 2.

How can a X Y man make his coat last	When does a dog become E K larger and when smaller	Why is old Ocean so apt to D H lash himself into fury	Who dares to sit before the O I Queen with his hat on.	Why is a Woman's B K fancy like the moon	Why is Asia like a market D Y in Christmas
What things increase the B Y more you contract them	When is O K charity like a top.	What part of a shop is exactly B L like every other part.	Why is the Prince of Wales I K like a cloudy day.	What is the difference between C Y a tramp and a feather bed.	Why is the E H Crow a brave bird.
When is a man obliged D K to keep his word.	Why is a squirrel X G accused of chattering.	When is an arm C H as long as three feet.	When does a man eat the D I most indig- ible supper.	What three P's O G rule the world	What word contains all B I the vowels in their proper order
Why is a F I kiss like a German —	Why should B H echo be called "she"	What belongs to yourself, yet is F G used by every body more than yourself.	What burns D I to keep a secret.	What is the difference between X H a Bond and a Brady	Why should you never C I write on an empty stomach.
What State is high in C K the middle and round at both ends	Why are Chickens necks X L like door bells.	Why is a baker a most O H improvident man.	Why is a now- ly born baby C G like a Gale of Wind	Why is the figure nine B G like a peacock	Why is a fishmonger E Y never generous
What Cardinal Virtue does Water D G represent when frozen.	Who is the O Y Burglar's best friend	When is a C I kiss like a tumor.	What is that which is F I lengthened by being cut, at both ends	If you must have a tail O I Where should you prefer it.	What proves sailors X I to be very careless

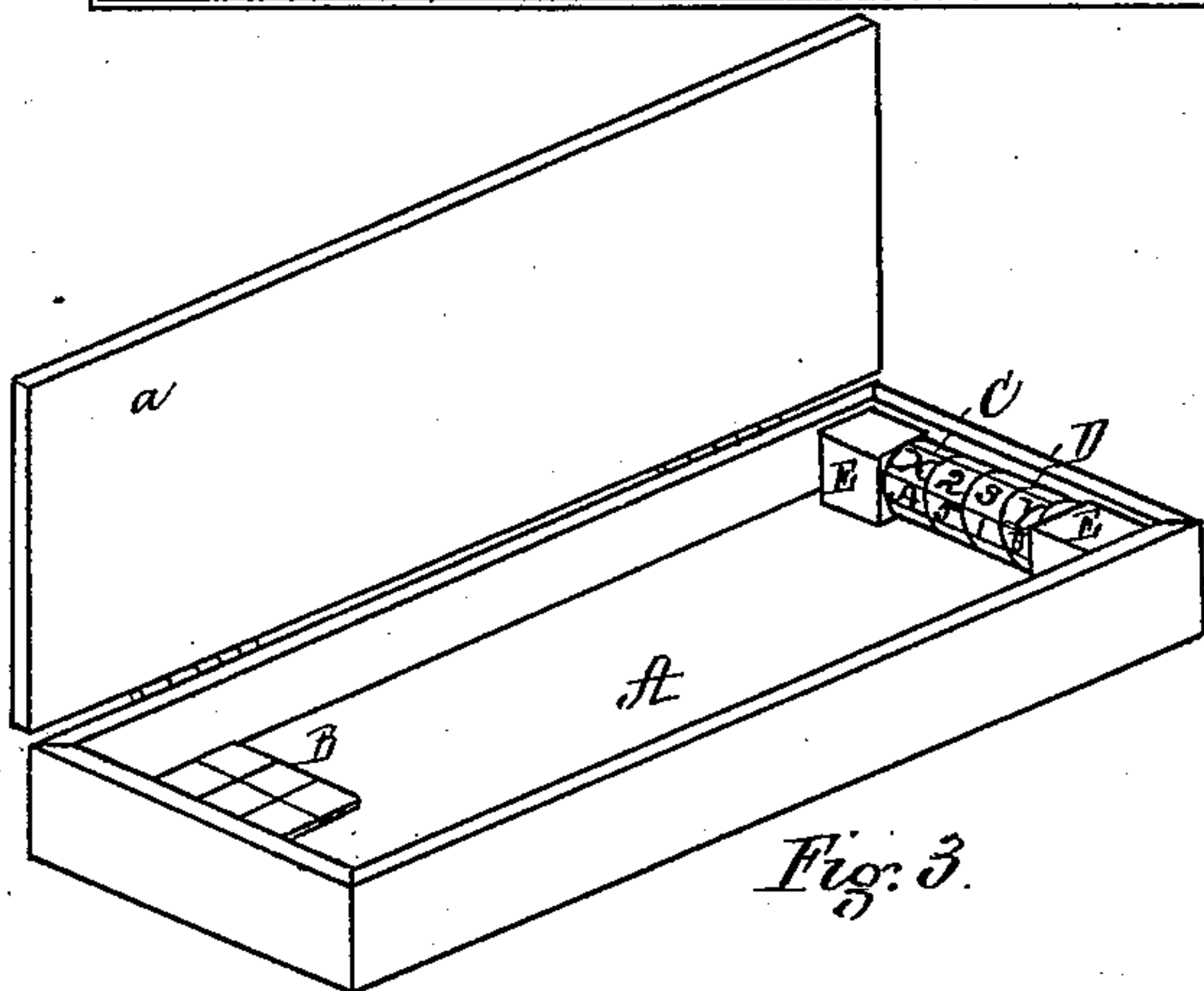


Fig. 3.

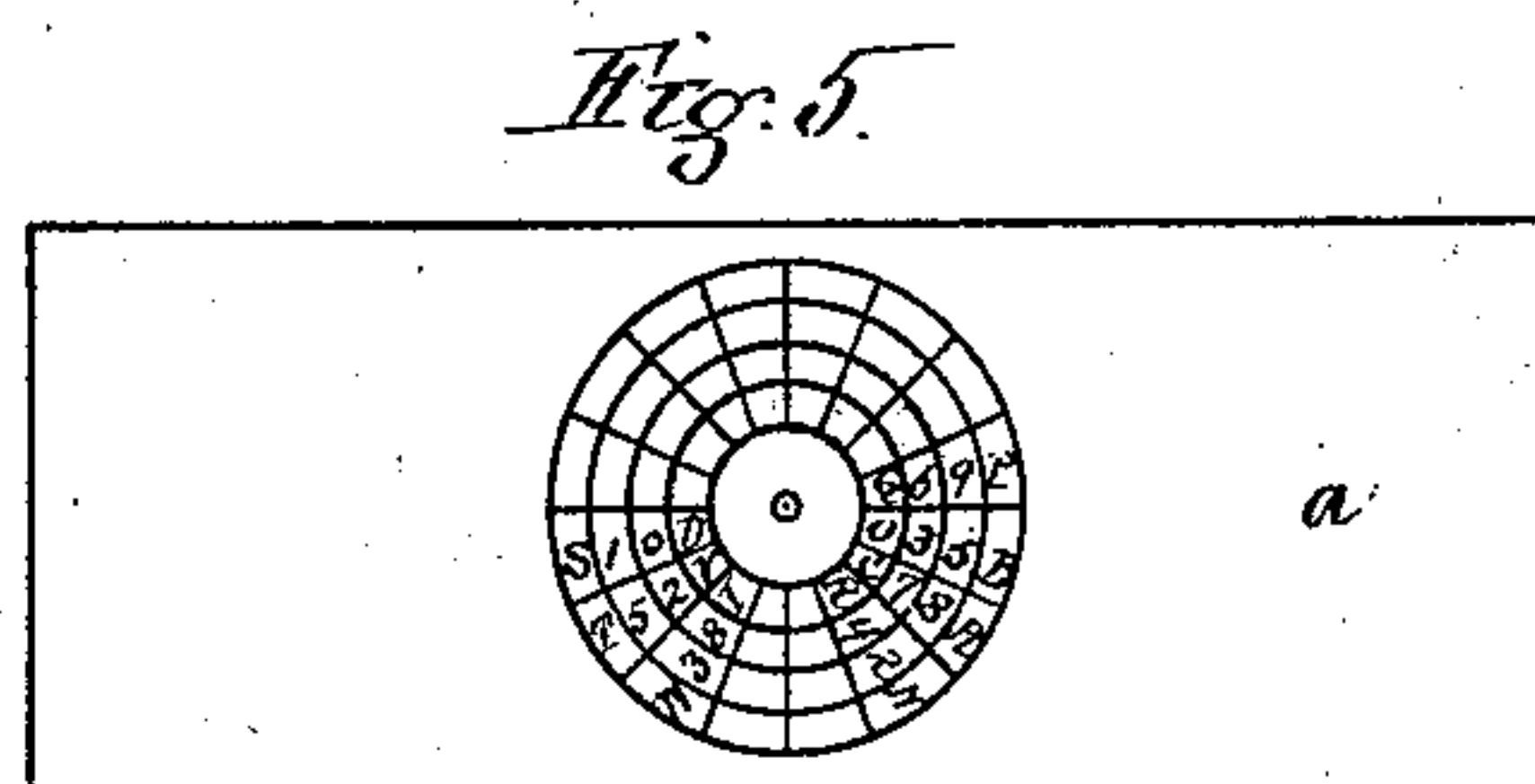


Fig. 5.

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UNITED STATES PATENT OFFICE.

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GAME APPARATUS.

SPECIFICATION forming part of Letters Patent No. 363,848, dated May 31, 1887.

Application filed June 28, 1886. Serial No. 206,532. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM S. REED, of Leominster, in the county of Worcester and State of Massachusetts, have invented certain
5 Improvements in Game Apparatus, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making a part of this specification, in which—

10 Figure 1 is a plan of a card or tablet having thereon a series of questions and answers with their exponential characters arranged in accordance with my invention. Fig. 2 is a plan
15 of two such cards or tablets, one having only a series of questions and their exponents and the other only a series of answers and their exponents. Fig. 3 is a perspective view (on a reduced scale) of a receptacle for containing a
20 series of such cards and with a pair of rotating dials having all the exponential characters of the questions and answers thereon. Fig. 4 is a longitudinal section through the center of the pair of rotating dials. Fig. 5 represents
25 the cover of the card-receptacle with a different form of dial applied thereto.

My present invention consists in one or more cards or tablets, each provided with questions and answers thereto and exponents for both
30 the questions and answers; or one card or tablet for questions and another card or tablet for the answers and their exponents, in combination with a dial formed of two portions bearing the exponents of both the questions and
35 answers, one or both portions of the dial being adapted to be moved by the player, so that when the exponents of a question are brought into line on the surfaces of the two portions of
40 the dial the exponent of its answer will simultaneously appear to view in the same line as the exponent of the question, and having thus found the exponent of the answer on the dial the corresponding exponent will be found in
45 the particular location allotted to its answer in the table of answers, the foregoing exercise affording a pleasant occupation for the mind
and an interesting channel for imparting information.

In the said drawings, A represents a rectangular box or receptacle, provided with a
50 cover, *a*, and containing a series of cards or tablets, B, and a pair of rolls, C D, (consti-

tuting a dial,) pivoted to a common axis, *b*, having its bearings in blocks E E at one end of the inside of the receptacle. Each card is divided into two equal portions, and each portion into a series of rectangular spaces. In
55 each of the question-spaces is written, printed, engraved, or otherwise delineated a question—for instance, "How can a man make his coat last?"—and a couple of letters, (capitals preferred,) such as X Y, which form the exponent
60 or representative of said question. In each space assigned for answers is also printed, written, engraved, or otherwise delineated an answer, the space containing each answer also
65 containing a couple of figures—for instance, 23—which constitute the exponent for the answer to the foregoing question. This answer is found in the following manner: Near one
70 end (the outer end, for instance) of each roll C D its peripheral surface is divided into spaces, in each of which is found one of the letters corresponding to one of the capital letters, X or Y, which constitute the exponent of
75 said question, and near each end of (inner end) these rolls C D its peripheral surface is also divided into spaces, each space containing a number consisting of a couple of numerals. By
80 rotating the rolls C D the letters X Y are brought into line with each other—*i. e.*, into a common vertical plane passing longitudinally through the axis *b* of the rolls, simultaneous with which the figures 23 are also brought
85 into the same line therewith and are exposed to view. (See Fig. 3.) By looking for the number 23 on the portion of the card or tablet containing the answers a similar number 23
90 will be found in the space which contains the particular answer to the question "How can a man make his coat last?" said answer represented by the exponent 23 being "By making
his vest and pants first."

It is evident that the characters representing the exponents of either the questions or
95 answers may be varied and pictures of animals or things substituted therefor, it being only necessary that the characters representing the exponent of a question be different from those representing the exponent of its
100 answer. The rolls C D form a two-part rotating dial on which are found the keys to the answers.

The dial may be formed of two flat circular portions applied to the cover *a*, Fig. 5, the inner portion being pivoted thereto and capable of being rotated around its center, and the outside portion being fixed to the cover, the two characters constituting the exponent of a question being in a line running to the center of the dial. The two other characters representing the exponent of the answer will also be found between them in the same line.

I claim--

1. A card or tablet having thereon a series of questions and their answers provided with exponents, each exponent formed of two or more characters, the characters representing the exponent of a question being of different style or value from the characters representing the exponent of its answer, in combination with a dial formed of two portions adapted to be rotated independently of each other on a common axis, each portion of the dial being subdivided and bearing one of the characters of the exponent of a question, and also one of the characters of the exponent of its answer, the sum of the subdivisions on the dial corre-

sponding to the number of characters of the exponents, the operation of bringing into line the characters forming the exponent of a question, by rotating the two portions of the dial, also bringing simultaneously into the same line the characters forming the exponent of its answer, so that the latter may be identified in the space allotted to it on said card or tablet, substantially as and for the purpose described.

2. A dial formed of two rolls capable of being revolved independently on a common axis having its bearings in a suitable frame, each roll having delineated thereon a part of the exponent of a question, and also a part of the exponent of its answer, in combination with one or more cards or tablets having represented thereon the questions and answers and their respective exponents located in the spaces assigned therefor, substantially as set forth.

Witness my hand this 18th day of June, 1886.

WILLIAM S. REED.

In presence of--

N. W. STEARNS,
W. P. CLOUGH.