

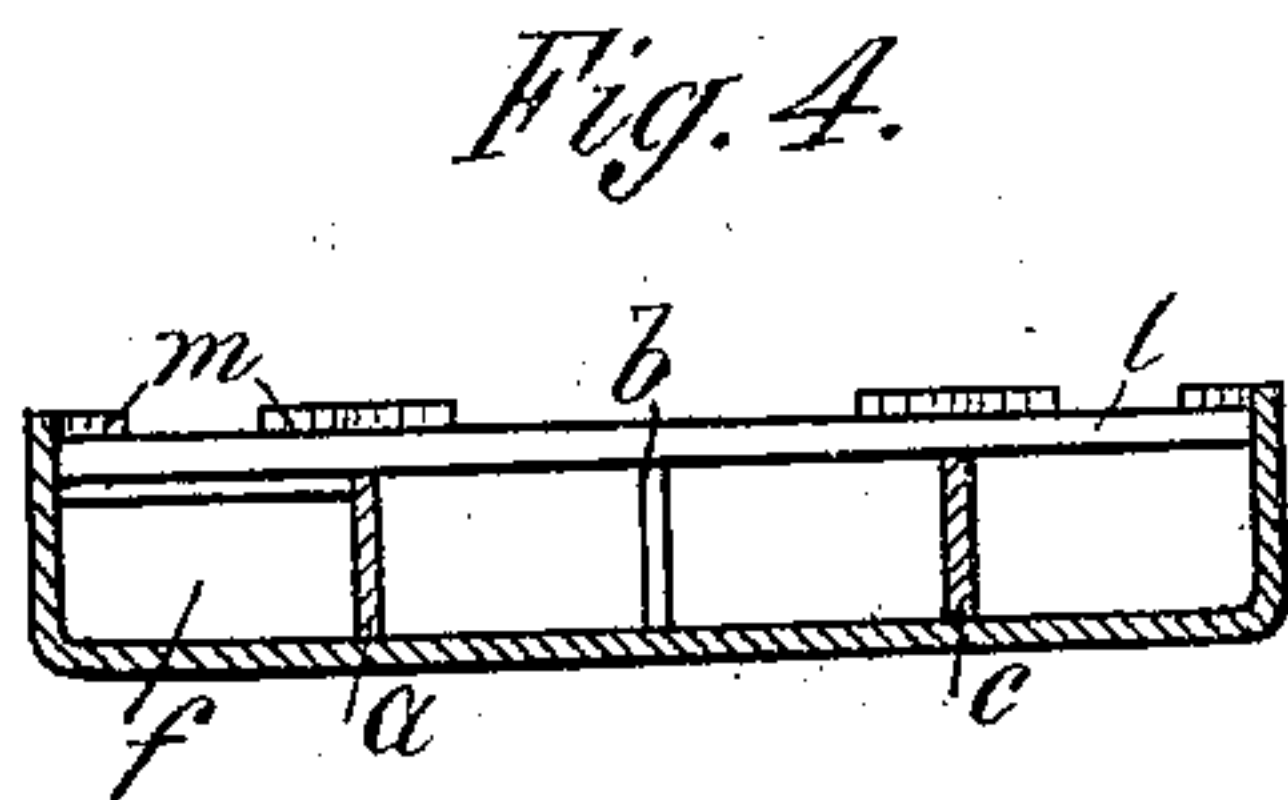
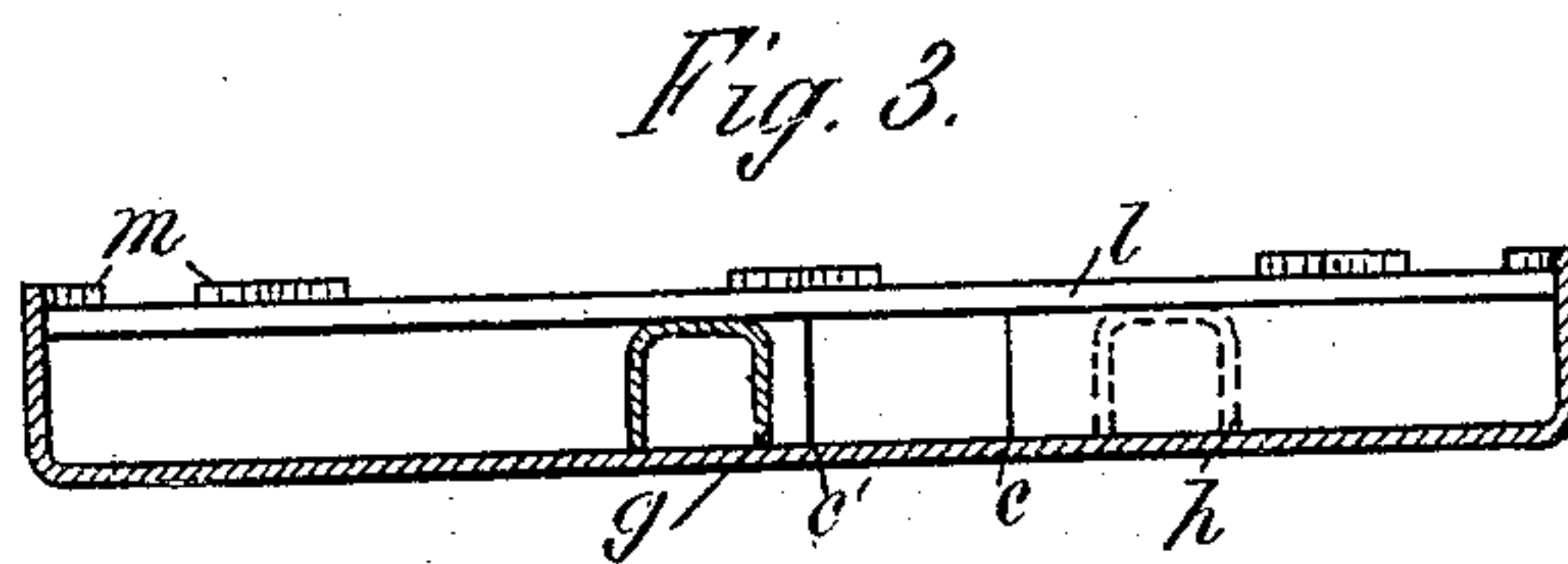
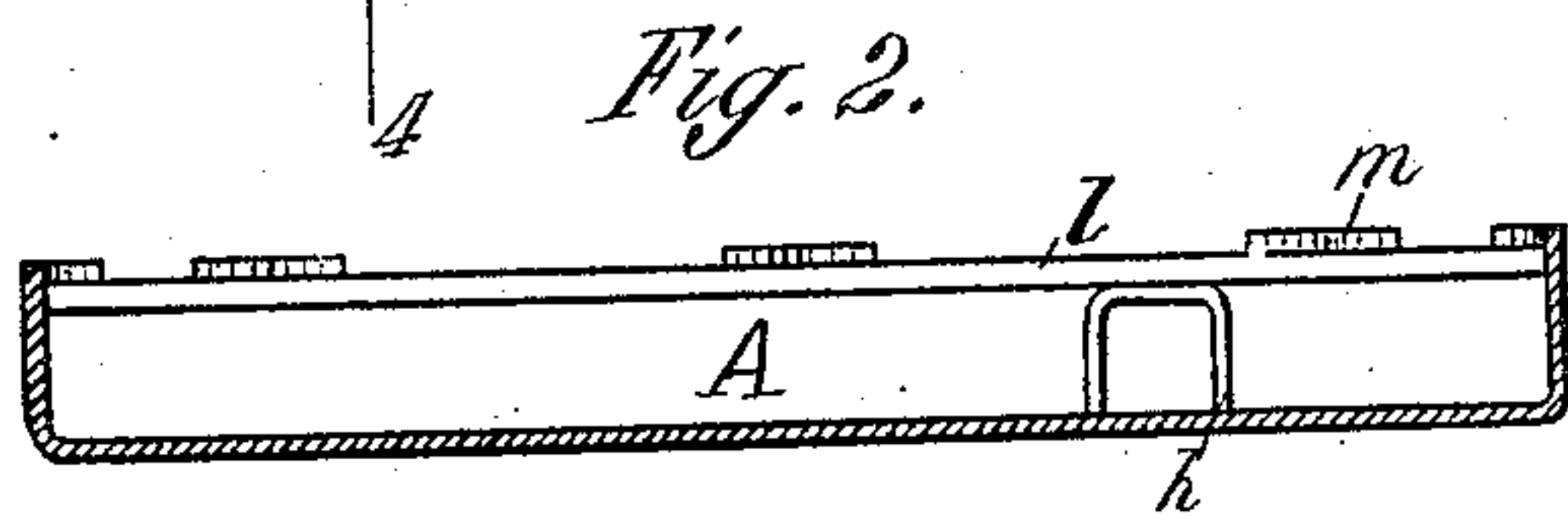
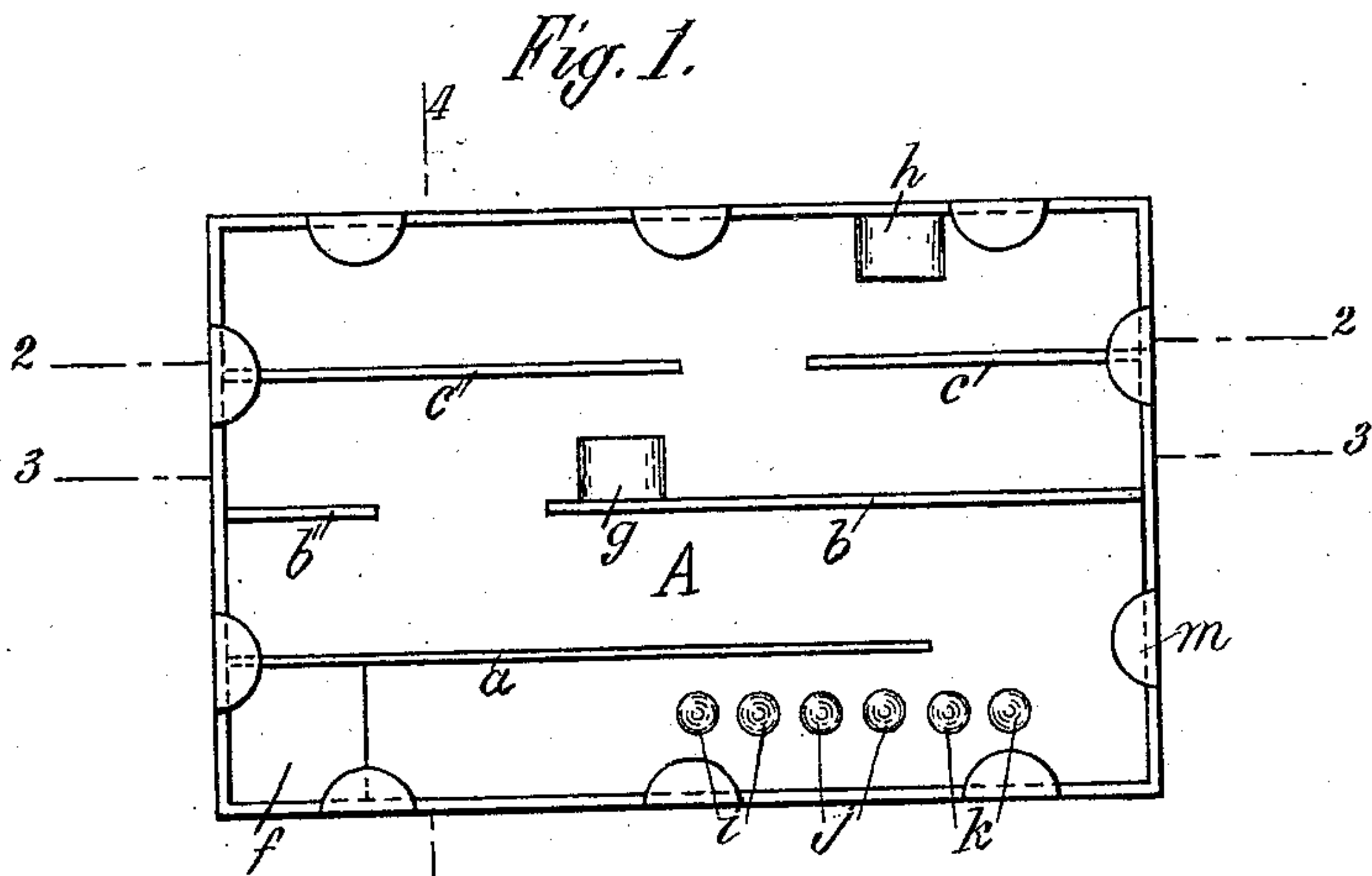
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TOY.

APPLICATION FILED NOV. 9, 1906. RENEWED DEC. 26, 1908.

916,970.

Patented Apr. 6, 1909.



Witnesses:
S. Chas. Yeaton
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UNITED STATES PATENT OFFICE.

WRIGHT BARCLAY, OF NEW YORK, N. Y.

TOY.

No. 916,970.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WRIGHT BARCLAY, a citizen of the United States, and a resident of the city, county, and State of New York, have invented certain new and useful Improvements in Toys, of which the following is a complete specification, reference being had to the accompanying drawings, wherein—

Figure 1 is a plan view of a toy constructed according to my invention, and Figs. 2, 3 and 4 sectional views thereof on lines marked respectively 2—2, 3—3 and 4—4 in Fig. 3.

My invention relates to toys and consists of the device shown in the drawings herein—after described, its object being to provide a toy serving as well for entertainment as for training in balancing, the object of the game being the assembling and segregating movable bodies, preferably made in spherical shape, according to their colors, and shifting them gradually into their respective receptacles.

The toy comprises an oblong box A preferably rectangular in shape, divided into several fields by fractional partitions *a*, *b*, *b'*, *c* and *c'*; receptacles *f*, *g*, and *h*, and a number of spherical bodies *i*, *i*, *j*, *j*, *k* and *k* arranged in pairs, the bodies of each pair being of different color. The number of partitions as well as the number of the spherical bodies and receptacles may be varied, provided that there shall be always a plurality of partitions and a plurality of receptacles and of movable bodies. In the form of the toy shown in the drawings there are provided five partitions, three receptacles and six spherical bodies the latter being marked respectively *i*, *i*, *j*, *j*, *k* and *k*. These spherical bodies may be of the same size or of different size. The receptacles *f*, *g* and *h*, located as shown in the drawings, are made to correspond in colors to the spheres. Receptacle *f*, is made large enough to contain all of the spheres. It is marked black and is provided with an opening extending the entire width of the groove formed by partition *a* and the side of box A. The receptacle *g*, is marked white and the receptacle *h* is marked green. These receptacles are only large enough to contain only one pair of the spheres, and their openings are set to face respectively partitions *c'* and *c*, and also each other. The object of this arrangement is to render it more difficult to segregate the spheres, which at the beginning of the game are congregated in the receptacle

f, according to their colors and to convey each pair to its corresponding receptacle, that is to say the pair of whites into receptacle *g* and the pair of greens into receptacle *c*, while retaining the pair of blacks in the receptacle *f*. The object of placing the openings of the receptacles *c* and *g* opposite each other, is to require the player to balance minutely and very carefully the moving spheres so that while conveying the greens in receptacle *h*, the whites should not be dislodged or spilled from the receptacle *g*. The partitions serve to assist in guiding and conveying the spheres to their corresponding receptacles and the successful playing of the game requires a high degree of skill in balancing and in calculating the movements of the spheres. The toy is very entertaining and instructive, and affords also an agreeable exercise in practising it the player acquiring as result thereof such high degree of skill in balancing movable bodies as required for successfully playing the game.

When manufacturing the device a blank of sheet-metal is struck and then folded to form the bottom and sides of box A; then the partitions *a*, *b*, *b'*, *c* and *c'* are cut and fixed in place preferably by soldering. The receptacle *f* is made by covering the space between partition *a* and the side of the box by a square of the same material, and the receptacles *g* and *h* are made by suitably bending at right angles strips of metal and soldering them in place, as shown in the drawing. For better convenience a glass-plate *l* is set on top of box A and secured thereto by lugs *m*, which are preferably made integral with the sides of the box, as shown in Fig. 1, after the glass-plate *l* has been set in its place.

I claim as my invention:—

1. A toy comprising a rectangular box, parallel partitions separating the box into longitudinal compartments, said partitions having openings for connecting the adjacent compartments; spherical bodies free to move within the compartments and receptacles within the compartments to receive the spherical bodies, one of said receptacles being three times the size of the others and capable of receiving all the spherical bodies.

2. A toy comprising a rectangular box, parallel partitions separating the box into longitudinal compartments, said partitions having openings for connecting the adjacent compartments; spherical bodies differently

colored in pairs free to move within the compartments and receptacles to receive the spherical bodies correspondingly colored, one of which being three times the size of the
5 others and capable of receiving all the spherical bodies.

3. A toy comprising a box shaped receptacle, parallel partitions separating the box into longitudinal compartments, said partitions having openings for connecting the adjacent compartments; spherical bodies free to move within the compartments, and receptacles within the compartments to receive the spherical bodies, one of said receptacles being three times the size of the others and capable of receiving all the spherical bodies and having an entrance transversely of the compartment and at right angles to the entrance of the other receptacles.
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4. A toy comprising a rectangular box, parallel partitions separating the box into
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longitudinal compartments, a receptacle at one end of the first compartment opening transversely into the compartment, the said compartment being in communication at its
25 other end with the second compartment through an aperture in the partition separating the two, the other compartments being in communication with their adjacent compartments through an aperture in their
30 respective partitions, the apertures being arranged in zigzag order; two other receptacles, one in the third compartment, the other in the fourth compartment with openings facing each other, each of said receptacles
35 being approximately one-third the size of the first receptacle and spherical bodies free to move within the compartments.

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Witnesses:

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