

(No Model.)

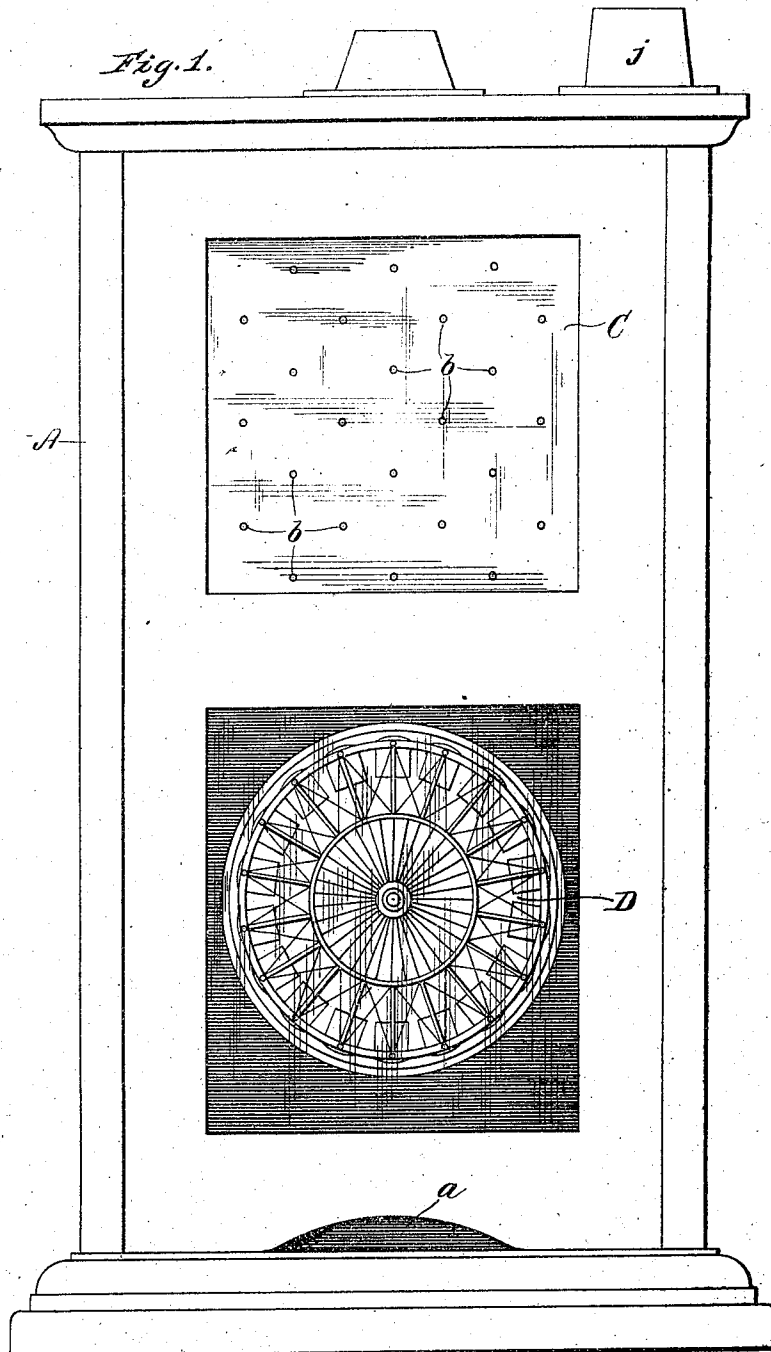
5 Sheets—Sheet 1.

G. W. BRONG.

CHECK-CONTROLLED GAME APPARATUS.

No. 518,875.

Patented Apr. 24, 1894.



WITNESSES,
M. M. Wilson
J. Zimmerman Jr.

INVENTOR,
George W. Brong.
By *John C. Giles,*
ATTORNEY.

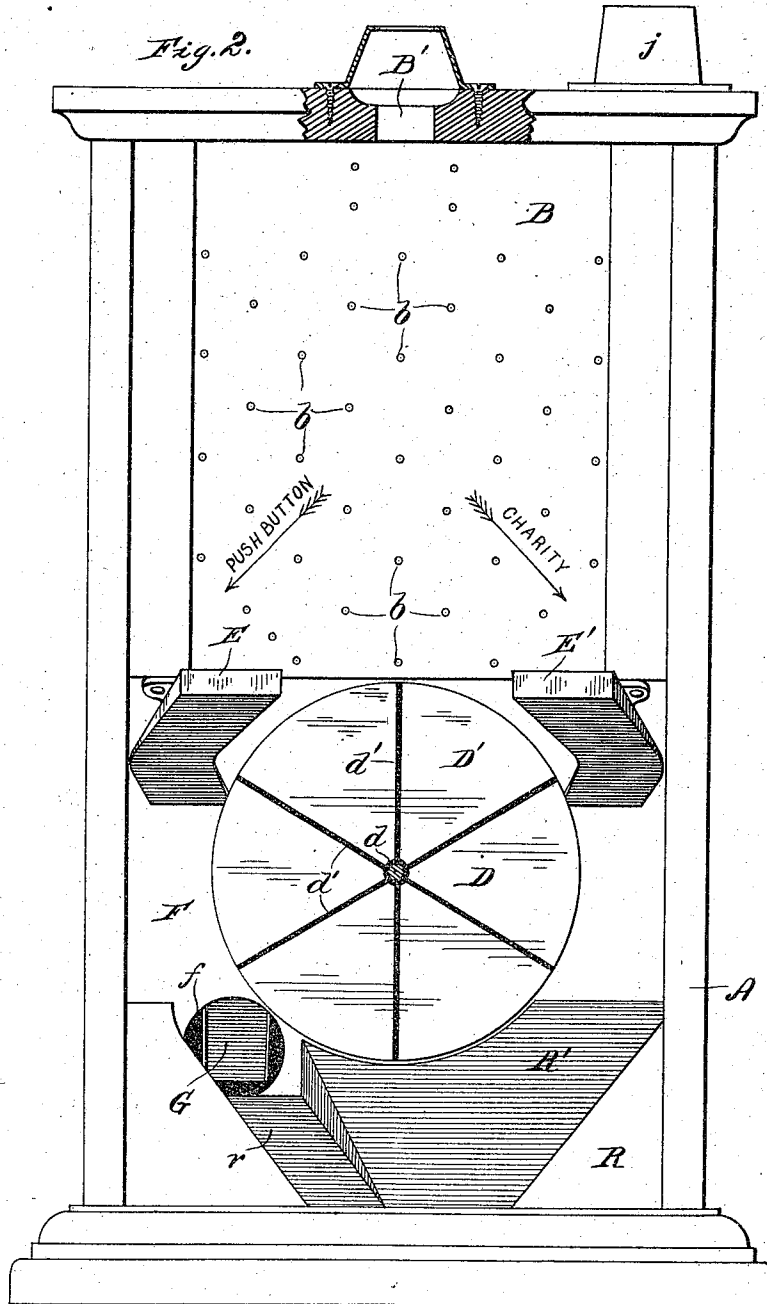
(No Model.)

5 Sheets—Sheet 2.

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WITNESSES.
M. M. Miles
J. Lumborg Jr.

INVENTOR,
George W. Brong.
By John E. Miles,
ATTORNEY.

(No Model.)

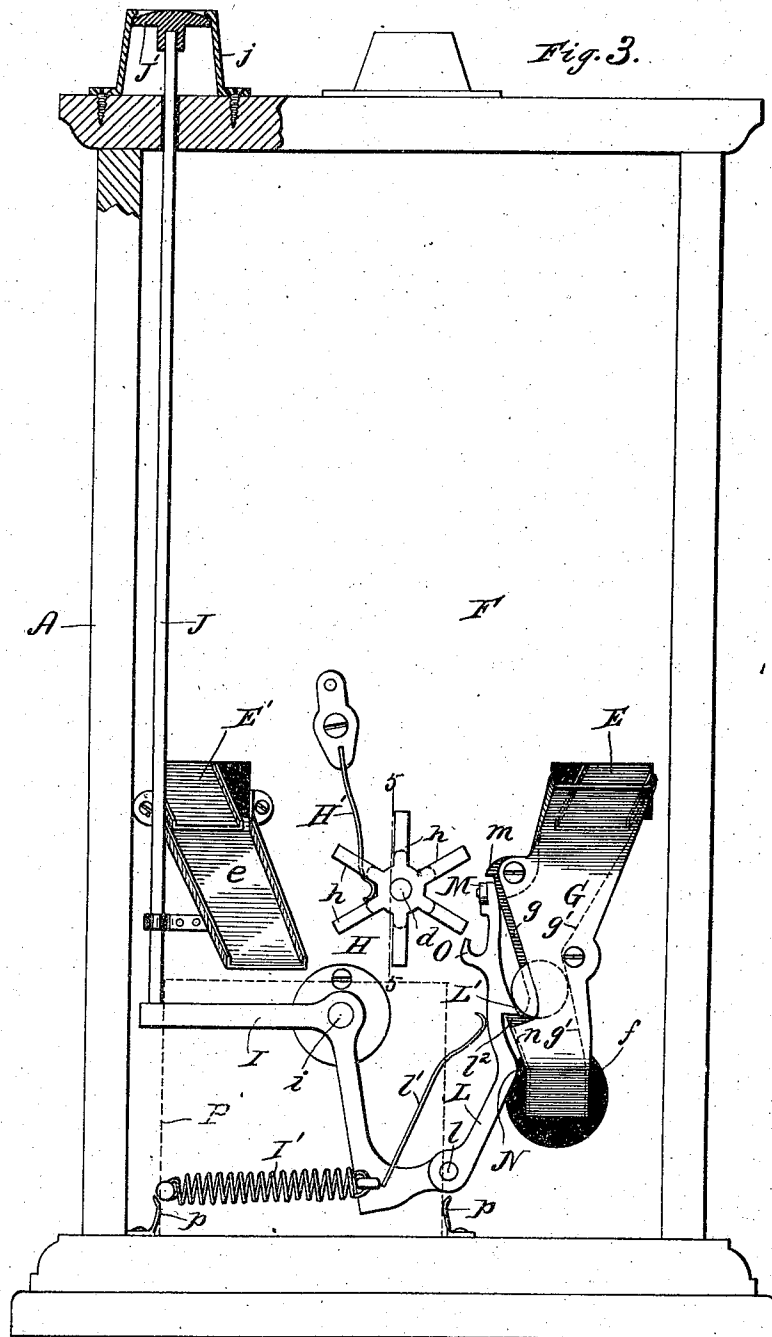
5 Sheets—Sheet 3.

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Patented Apr. 24, 1894.



WITNESSES,
M. M. Wiles
J. Lumborg

INVENTOR,
George W. Brong,
By John E. Wiles,
ATTORNEY.

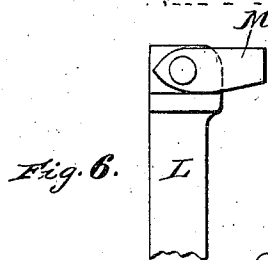
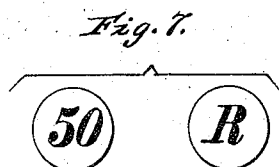
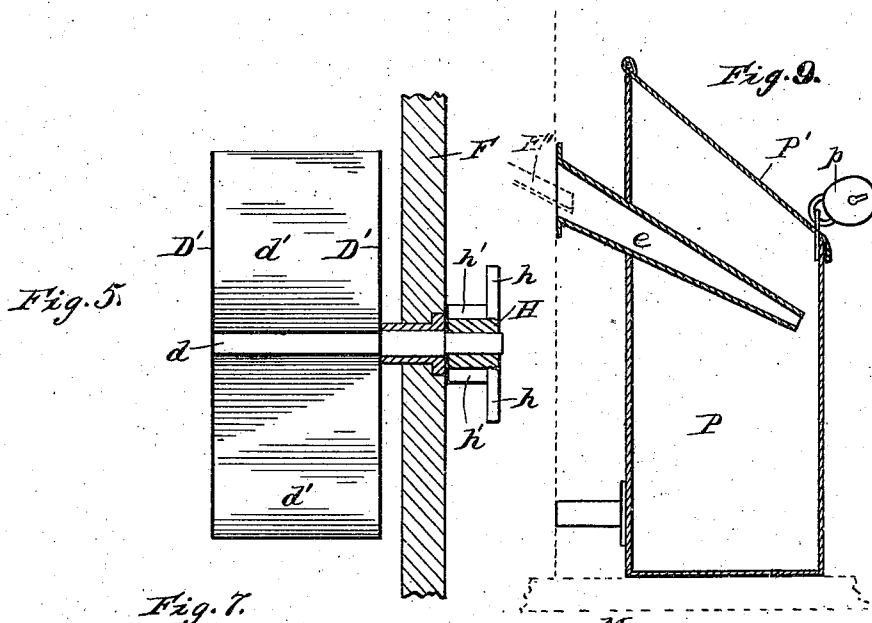
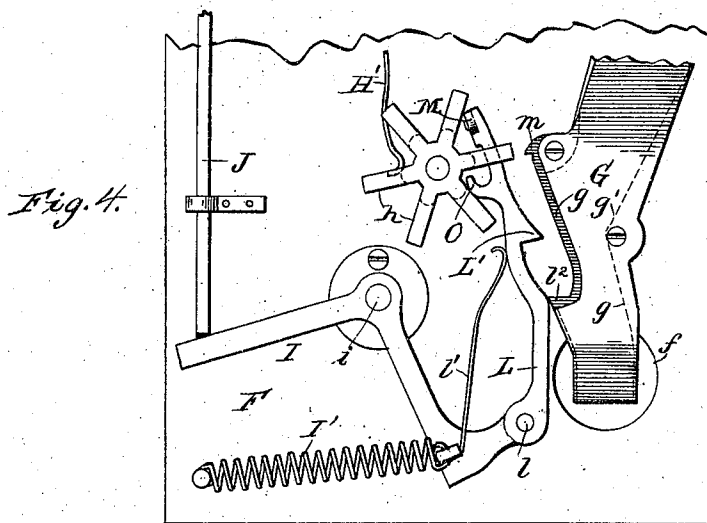
(No Model.)

5 Sheets—Sheet 4.

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WITNESSES,
M. M. Miles.
J. Lumberger Jr.

INVENTOR,
George W. Brong,
By John E. Miles,
ATTORNEY.

(No Model.)

5 Sheets—Sheet 5.

G. W. BRONG.

CHECK CONTROLLED GAME APPARATUS.

No. 518,875.

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NAME

	NAME.	Where Found.	Their Use.	Value.	
A.	Ostrich.....	South America.....		\$200.00	\$.....
27	Ibex.....	Europe.....		10.00	
28	Alligator.....	South America.....		15.00	.....
29	Ape.....	South America.....		10.00	.....
B.	Condor.....	South America.....		30.00	.....
30	Beaver.....	North America.....		5.00	.....
31	Chamelon.....	South America.....		2.00	.....
32	Civet.....	North Africa.....		2.00	.....
C.	Toucan.....	South America.....		10.00	.....
33	Ermine.....	Russian Siberia.....		300.00	.....
34	Gnu.....	South Africa.....		20.00	.....
35	Hedge Hog.....	North America.....		10.00	.....
D.	Eagle.....	North America.....		10.00	.....
36	Hippopotamus.....	Africa.....		50.00	.....
37	Hyena.....	Asia.....		50.00	.....
38	Ichneumon.....	Egypt.....		25.00	.....
E.	Bird of Paradise.....	Australia.....		35.00	.....
39	Jackal.....	India.....		5.00	.....
40	Raccoon.....	North America.....		5.00	.....
41	Walrus.....	Arctic Circle.....		15.00	.....
F.	Lyre-Bird.....	Australia.....		50.00	.....
42	Zebu.....	Australia.....		50.00	.....
43	Leopard.....	Africa.....		15.00	.....
44	Weasel.....	Temperate Zone.....		3.00	.....
G.	Cassowary.....	Australia.....		10.00	.....
45	Otter.....	North America.....		5.00	.....
46	Sable.....	Russia.....		150.00	.....
47	Opposum.....	America.....		3.00	.....
H.	Cockatoo.....	Australia.....		10.00	.....
48	Musk-Ox.....	Hudson Bay.....		10.00	.....
49	Moose.....	North America.....		5.00	.....
50	Lynx.....	North America.....		5.00	.....
I.	Golden Pheasant.....	Asia.....		10.00	.....
51	White Bear.....	Polar Regions.....		15.00	.....
52	Cougar.....	South America.....		5.00	.....
53	Hare.....	Temperate Zone.....		3.00	.....
J.	Flamingoes.....	Florida.....		5.00	.....
54	Gopher.....	America.....		3.00	.....
55	Gazelle.....	North Africa.....		10.00	.....
				TOTAL.....	

WITNESSES,

M. M. Miles.

E. Lumborggo.

Fig. 8.

INVENTOR,

George W. Brong.

By John E. Miles.

ATTORNEY.

UNITED STATES PATENT OFFICE.

GEORGE W. BRONG, OF MILWAUKEE, WISCONSIN.

CHECK-CONTROLLED GAME APPARATUS.

SPECIFICATION forming part of Letters Patent No. 518,875, dated April 24, 1894.

Application filed February 1, 1894. Serial No. 498,686. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. BRONG, a citizen of the United States, residing at Milwaukee, county of Milwaukee, State of Wisconsin, have invented a certain new and useful Improvement in Check-Controlled Game Apparatus; and I declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to game apparatus, and more particularly to that class of game apparatus in which chips, checks, or other circular articles are employed to free the locking mechanism.

My improved game apparatus will be fully described hereinafter with reference to the accompanying drawings, in which—

Figure 1 is a front elevation of a device constructed in accordance with my invention. Fig. 2 is a view of the same, showing the front of the casing removed, and showing portions of the interior in elevation and portions in section. Fig. 3 is a rear elevation of the interior of my improved apparatus, the rear of the casing having been removed, and showing part of the casing broken away to better illustrate the arrangement of the push button which actuates the lock-freeing device. Fig. 4 is a broken rear elevation of the same, showing a changed position of the parts. Fig. 5 is a vertical detail sectional view, taken on line 5—5 of Fig. 3. Fig. 6 is an enlarged detail elevation of the upper end of the arm which actuates the rotating wheel. Fig. 7 is a detail view illustrating a preferred form of checks or chips. Fig. 8 is a view illustrating a tally or score card, for employment in connection with my improved apparatus, and the checks or chips. Fig. 9 is a vertical sectional view of a somewhat different form of receptacle for the checks or chips in the back part of the case of the machine.

Referring by letter to said drawings, A designates a suitable casing provided adjacent to its front part with a vertical board or partition B over which a glass C is placed. A series of pins or other obstructions *b b* are distributed over the front surface of the plate B,

and the glass C is located at sufficient distance in front of the board B, to permit the passage of a circular chip or check between the front face of said board and said glass, in an obvious manner, and a suitable slot B' is provided in the top of the casing and communicates with the space between the board and the glass as shown more particularly in Fig. 2. The obstructions *b b* are conveniently arranged in an approximate quincunx order over the front surface of the board B, so that in order for one of the checks or chips to find its way downwardly to the lower part of the casing, after having been dropped in at the slot B', it will necessarily have to describe a zig-zag course between said obstructions.

Below the central part of the plate B, I provide a wheel D, mounted upon a revoluble shaft *d*, and provided with front and rear walls D' D', and with radial division walls *d'* *d'*, which serve to separate the space between the front and rear walls of the wheel, into a desired number of sector shaped compartments, as shown more particularly in Fig. 2 of the drawings.

Adjacent to opposite sides of the casing, and outside of the periphery of the wheel D, I provide chutes E and E' which lead into the rear part of the casing.

Back of the board B, I provide a vertical partition F through which the chutes E and E' are arranged to pass, in the manner shown in Figs. 2 and 3.

A chute G is secured to the back of the board or partition F, in such position as to receive any chips or checks discharged from the chute E as shown more particularly in Fig. 3, and said chute is made open along one edge as at *g* and is provided at its other edge with an angular or oblique shoulder or rib *g'*, which extends inwardly, adjacent to the central part of the chute and is arranged to recede adjacent to the lower part of the chute.

Upon the rear end of the shaft *d* I provide a suitable wheel H having a plurality of spokes *h*, and adjacent to the partition F, a plurality of teeth or corrugations *h'*, as shown, said wheel H being adapted for operation in a manner to be presently described to effect a rotation of the wheel D upon the forward end of the shaft. A spring H' is secured in any

convenient manner to the partition F and is arranged to bear at its free end against the toothed or corrugated hub of the wheel H in the manner shown more particularly in Figs.

3 and 4, said spring being provided with a rounded or bent end adapted to enter between two adjacent teeth of said hub, and to normally hold the wheel H and wheel D from rotation.

10 A bell crank lever I, is pivoted at *i* to the rear of the partition F and is arranged with one of its arms in the vertical path of a push rod J, which extends upwardly through the top of the casing A and carries at its upper end a push button J' which is protected by a housing *j*. To the other arm of the bell crank lever I, is secured one end of a spring I' which is fastened at its other end to a stationary part of the device, and serves to normally hold the bell crank in the position indicated in Fig. 3, with the push rod J supported thereby in an elevated position. An arm L is pivotally secured at *l* to the lower part of the bell crank, and is normally pressed away from the bell crank by a spring L' as shown in Fig. 3, the upper free end of said arm L resting normally in engagement with the oblique side or edge of the chute G. Upon the side of the arm adjacent to said chute is provided an oblique projection L' terminating at its lower end in a hook which is adapted to engage with a shoulder or projection *p* upon the chute in the manner shown. At the free upper end of the arm L is provided a pivoted pawl M, adapted for engagement with the spokes *h h* of the wheel H. A shoulder or stop *m*, is arranged at the side of the chute G in the path of the upper end of the arm L, so that under ordinary conditions the upward movement of said arm would be prevented by the engagement of its upper end with said shoulder or stop in an obvious manner, and the operation of the movable parts by means of the push button thereby prevented.

45 As indicated in Fig. 3 of the drawings, the arrangement of the oblique projection L' upon the arm L is such that should a chip or check descend through the chute E into the chute G it would follow the oblique flange or rib *g'* and rest between the receding oblique rib, below the center of the chute and the oblique projection L'. If now the push-button be operated, the bell crank will be rotated upon its pivotal support, its lower end moved toward the right, and the arm L pressed upwardly in an obvious manner, and by this operation the chip or check will be rotated between the two oblique parts *g'* and L' in such a manner as to crowd the free upper end of the arm L away from the chute and out of line with the shoulder *m*. This will obviously free the moving parts.

Below the hook L' the arm L is provided with an oblique projection N adapted for engagement with an oblique face *n*, at the side of the chute G in the manner shown more particularly in Fig. 4, and the arrangement

is such that about the time when the upper end of the arm has been freed from the shoulder *m* said projection N will come into engagement with the oblique surface *n* and serve to hold the upper end of the arm away from the chute, and by a further operation of the push-button, will serve to crowd the free end of said arm over into line with the spokes *h h* of the wheel H in an obvious manner. As the arm L is crowded away from the chute by the engagement of the projection N with the oblique face *n* of said chute, the oblique projection L' will be carried farther away from the oblique rib or flange *g'* so as to free the coin and permit it to drop and be discharged from the lower end of said chute, as will be presently described. As the pressure upon the push button is continued, and the arm L is forced upward, and into engagement with the spokes *h* of the wheel H, said wheel will be partially rotated against the resistance of the spring I' in an obvious manner, and as the wheel reaches the position indicated in Fig. 4, a projection O upon the arm L will come into engagement with the corrugated or toothed hub of the wheel so as to prevent further rotation thereof, while the parts are in the position shown in said Fig. 4. In this position the free end of the spring I' will bear upon one of the teeth or corrugations of the hub and its tendency will be to rotate the wheel into the position indicated in Fig. 3, as soon as said wheel is freed from the arm. By this construction, a rotation of the wheel for a distance more than one tooth at a single operation of the push button is prevented. As soon as the push button is freed, the spring I' will serve to automatically return all of the moving parts except the wheel to their initial positions.

It follows from the foregoing description that a chip, check or other circular object which may be dropped through the slot B' will necessarily take a zig-zag course in its descent through the space between the glass C and the board B and that when it reaches the lower part of the board B it may take any one of several courses or paths of egress, and the wheel being in the position indicated in Fig. 2, said check or chip will be free to drop into either of the uppermost compartments of the wheel, or to descend through either of the chutes E or E'. It follows, therefore, that all chips or checks which drop into the compartments of the wheel will be retained therein so long as the wheel is unmoved, but that upon a rotation of the wheel for a distance of one tooth, there being as many teeth as there are divisions *d'*, one of the compartments will be moved into position to discharge its contents into the lower part of the casing, while the other compartment will assume the position previously occupied by the first mentioned compartment. It will also be understood from the foregoing, that when a chip or check descends through the chute E into the

chute G, it will operate in the manner described to enable the push button and the rod connected therewith to effect an adjustment of the moving parts so as to produce an adjustment of the wheel H and the wheel D. On the other hand if the chip or check fails to drop into the wheel or to descend through the chute E, it will pass out through the chute E', to the rear of the casing where it may be received by a chute *e* and directed into any suitable receptacle or compartment.

I have shown by the dotted lines in Fig. 3 a box P as located in the lower rear part of the casing for the reception of such chips or checks, which is conveniently held detachably in position by means of suitable springs *pp* secured to the bottom of the casing, although this is a matter of no importance and any suitable means may be employed for securing said box or receptacle in position.

The bottom of the casing is conveniently fitted with a block R, which is arranged beneath the wheel D in front of the partition F and is cut away at its upper edge to conform to the periphery of said wheel in the manner shown in Fig. 2. This block is provided with a hopper shaped recess, in its front side, which approaches an apex at its lower end, and the rear wall of which inclines downwardly and outwardly toward the front of the casing. This hopper shaped recess being shown more particularly at R' in Fig. 2. By this construction, the hopper R' is adapted to receive all chips or checks discharged from the compartments of the wheel, and to direct the same toward the central part of the front of the casing, in which an opening *a* is provided for the discharge of the chips or checks. Furthermore I prefer to provide a suitable aperture *f* in the partition F through which the lower end of the chute G is arranged to project, and to provide a supplemental inclined passage *r* in the block R into which said chute G is arranged to discharge, and it follows therefore that when a player has succeeded in dropping a check or chip into the casing, which check or chip passes through the chute E and serves to open or to free the locking device, said check or chip will be discharged from the chute G through the passage *r* and the aperture *a* as soon as the push button has been operated.

The manner of using my improved game apparatus is as follows: A number of players provide themselves each with a given number of chips or checks, and drop the same through the slot in the top of the casing, until one player succeeds in freeing the locking device in the manner just described, when he operates the push button and thereby adjusts the wheel so as to discharge the contents of one of the compartments thereof into the hopper R', when said chip or check will be discharged from the lower end of said hopper, and through the opening *a* in the casing, said player also receiving back the chip or check which has served to free the locking device.

Any suitable or desired scale of points may be agreed upon and the checks or chips may each represent a certain value or number of points or they may be given different valuations as desired. I prefer however to employ in connection with the described apparatus a plurality of chips or checks provided with numbers, characters or other distinguishing marks, and to employ in connection therewith sheets or cards such as shown in Fig. 8, each of said sheets or cards being provided with a column of figures, characters or marks corresponding to those upon the chips or checks, and opposite said figures, characters or marks, a column of names of animals or birds, to the right of which is a column of the names of the countries or localities where such animals or birds are found, and to the right of this column a column of blank spaces for the insertion by the player of the commercial use to which said animals or birds are put, at the right of which column appears a column of figures representing the valuations of the different animals or birds, which valuations are of course arbitrarily determined, and at the right of this column still another column of blank spaces for the insertion of amounts, with a space at the bottom of said column for a total.

In playing a game of points, each player is given a card or sheet such as I have just described, said player writing his name in the blank at the top of the sheet. When a player has been fortunate enough to free the locking device, and to obtain a number of chips or checks, he checks off from the list the numbers or characters in the left hand column corresponding to the numbers or characters upon the chips or checks which he has received, fills in the blank spaces, in the column which designates the uses of the animals or birds named, and in the right hand column places the amounts designating the values thereof.

If desired a forfeit may be imposed for a failure to properly fill in the spaces in the column devoted to the uses of the animals or birds which will be deducted from the total number of points.

When all the chips or checks have been used, each player foots up the total of the amounts in the right hand column, and the player who has the largest total after the deduction of the forfeits if any, wins.

If desired, the form of receptacle for the checks or chips which is illustrated in Fig. 9 may be employed, the same comprising a suitable box P, into which the chute *e* is arranged to extend, and said box P being provided with a hinged lid P', which may be secured in any desired manner by a lock *p*.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. A game apparatus comprising a suitable casing, having a slot in its upper end for the admission of checks or chips, a plurality of

obstructions in the path of said checks or chips, a wheel located in the lower part of the casing, and provided with a plurality of compartments for checks or chips, a locking device for normally holding said wheel stationary, a chute adapted to receive checks or chips, and a lock freeing device adapted for engagement by a check or chip, which passes through said chute, and a device extending to the outside of the casing and adapted for operation by hand, to free said locking device, and effect a partial rotation of the wheel substantially as and for the purpose described.

2. A game apparatus comprising a suitable casing, having in its upper end a slot for the insertion of checks or chips, a movable receptacle for checks or chips, in the lower part of the casing, a device for normally locking said receptacle from movement, a chute adapted to receive certain of said chips or checks, a lock freeing device adapted for engagement by a check or chip which descends through said chute, and adapted to engage with and adjust said receptacle and a device extending to the outside of the casing and adapted for operation by hand to adjust said lock-freeing device, substantially as described.

3. A game apparatus comprising a suitable casing, provided in its upper end with a slot for checks or chips, a plurality of obstructions in the path of said checks or chips a receptacle for checks or chips movably supported in the bottom of said casing, a device for normally holding said receptacle from movement, a chute adapted to receive certain of said checks or chips, a device adapted for engagement by a check or chip which passes through said chute, and adapted for operation by a suitable device which extends to the outside of the casing, to adjust said receptacle, so as to discharge its contents and a hopper or receptacle adapted to receive the discharged checks or chips, and provided with an outlet aperture through which said checks or chips may discharge from the casing, substantially as described.

4. A game apparatus comprising a suitable casing, provided in its upper end with a slot for checks or chips, a plurality of obstructions in the path of said checks or chips, a receptacle for checks or chips movably supported in the bottom of said casing, a device for normally holding said receptacle from movement, a chute adapted to receive certain of said checks or chips, a device adapted for engagement by a check or chip which

passes through said chute, and adapted for operation by a suitable device which extends to the outside of the casing, to adjust said receptacle, so as to discharge its contents and a hopper or receptacle adapted to receive the discharged checks or chips, and provided with an outlet aperture for the discharge of said checks or chips from the casing, the lower end of said chute being also arranged to discharge into said hopper or receptacle, substantially as described.

5. A game apparatus comprising a casing having a slot in its upper end for the insertion of checks or chips, a plurality of obstructions in the path of said checks or chips a receptacle for checks or chips movably supported in the bottom of the casing, a device for normally holding the receptacle from movement, a chute adapted to receive certain of said checks or chips, a device adapted for engagement by a check or chip, which passes through said chute, and adapted for operation by suitable devices extending to the outside of the casing, to adjust said receptacle so as to discharge its contents, a hopper, adapted to receive the discharged checks or chips and provided with an outlet aperture for the discharge of said checks or chips from the casing, and a second chute adapted to receive certain of the checks or chips, and arranged to discharge into a suitable compartment or receptacle within the casing substantially as described.

6. A game apparatus comprising a casing A having a slot in its upper end, board B, provided with obstructions *b*, arranged beneath said slot, the revoluble wheel D, adapted to receive checks or chips, chute E' leading into the back part of the casing, chute E leading to the locking mechanism, bell crank I, arm L connected with said bell crank and adapted to adjust the wheel by engagement with the wheel H on the axis thereof, push rod J engaged with the bell crank and provided with the push button J', and the hopper R' communicating with the discharge aperture *a* and arranged to receive checks or chips discharged from the wheel D and the locking mechanism, substantially as described.

In testimony whereof I sign this specification in the presence of two witnesses.

GEORGE W. BRONG.

Witnesses:

JOHN E. WILES,
M. M. WILES.