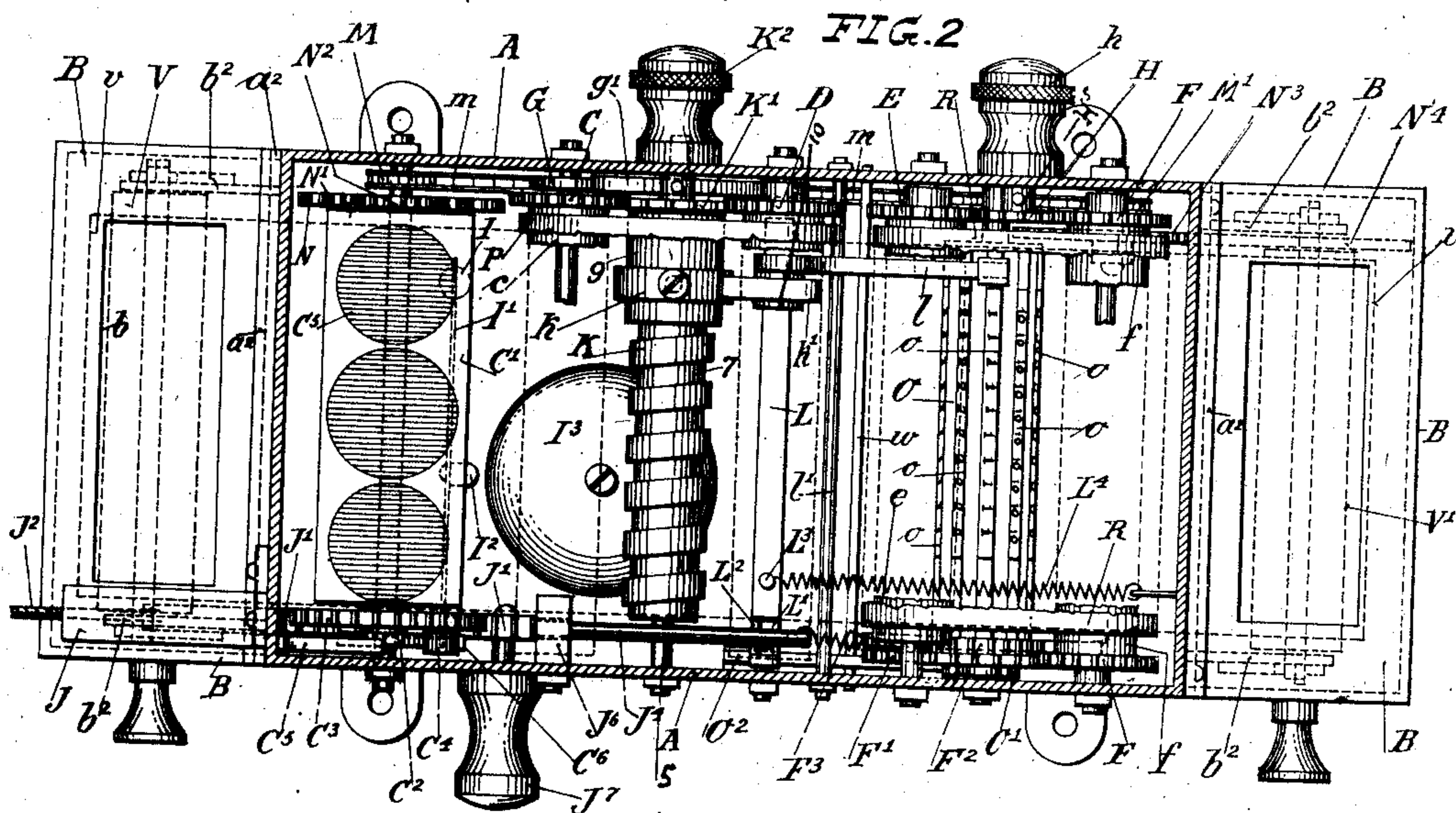
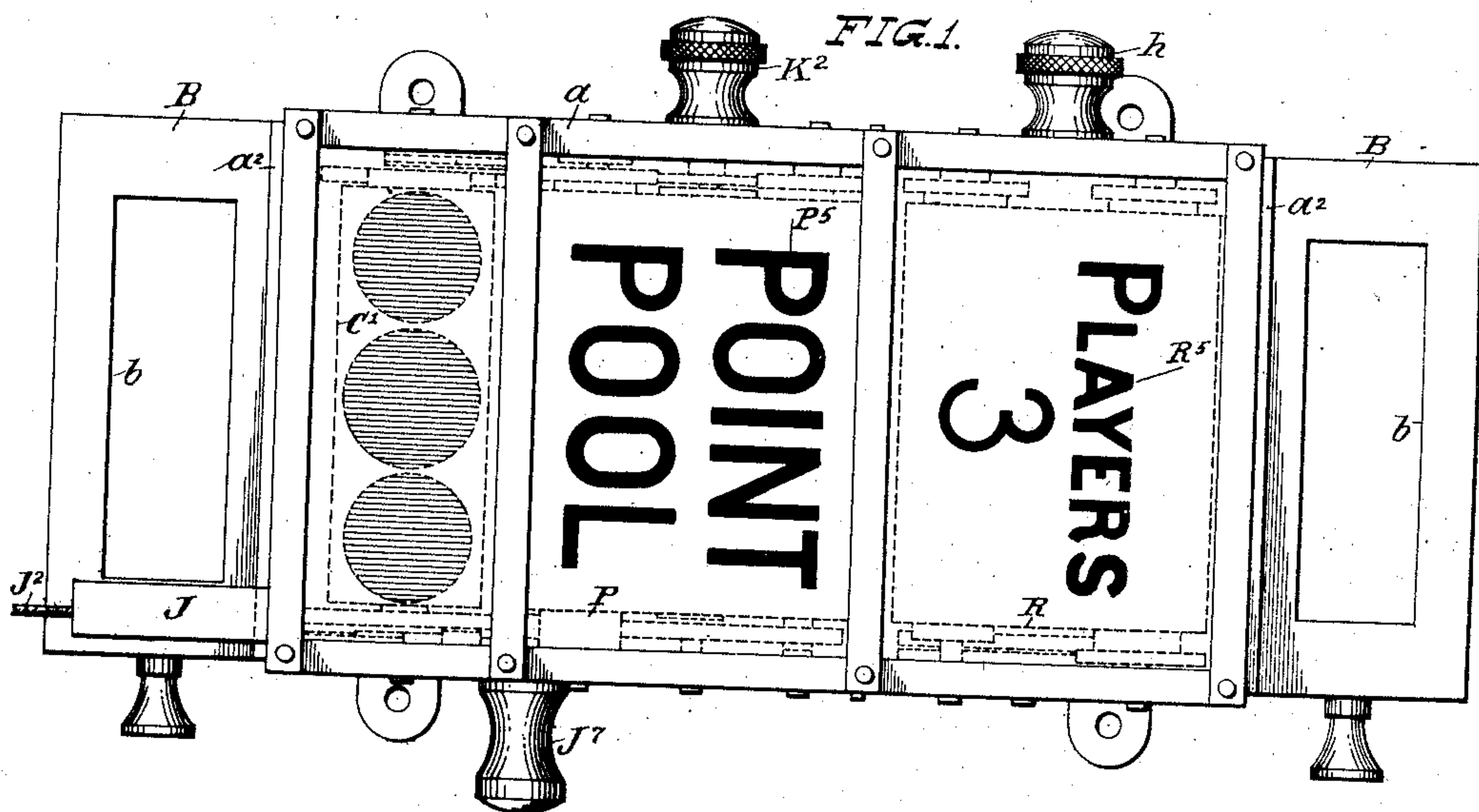


A. C. FLUSCHMAN.
RECORDER FOR GAMES.
APPLICATION FILED MAR. 14, 1910.

987,056.

Patented Mar. 14, 1911.

4 SHEETS—SHEET 1.



WITNESSES:

Isidor M. Silberman
Samuel John

INVENTOR

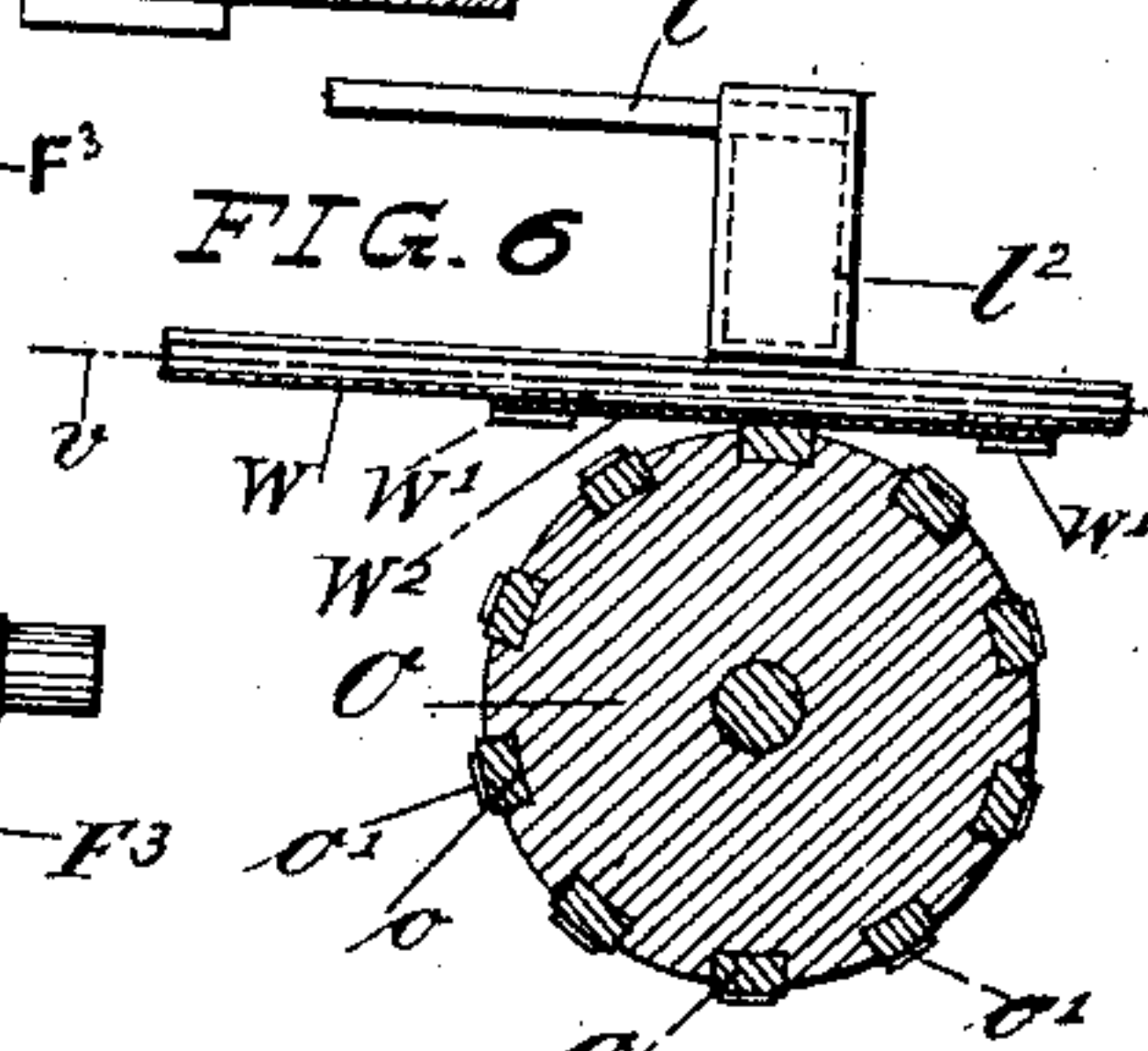
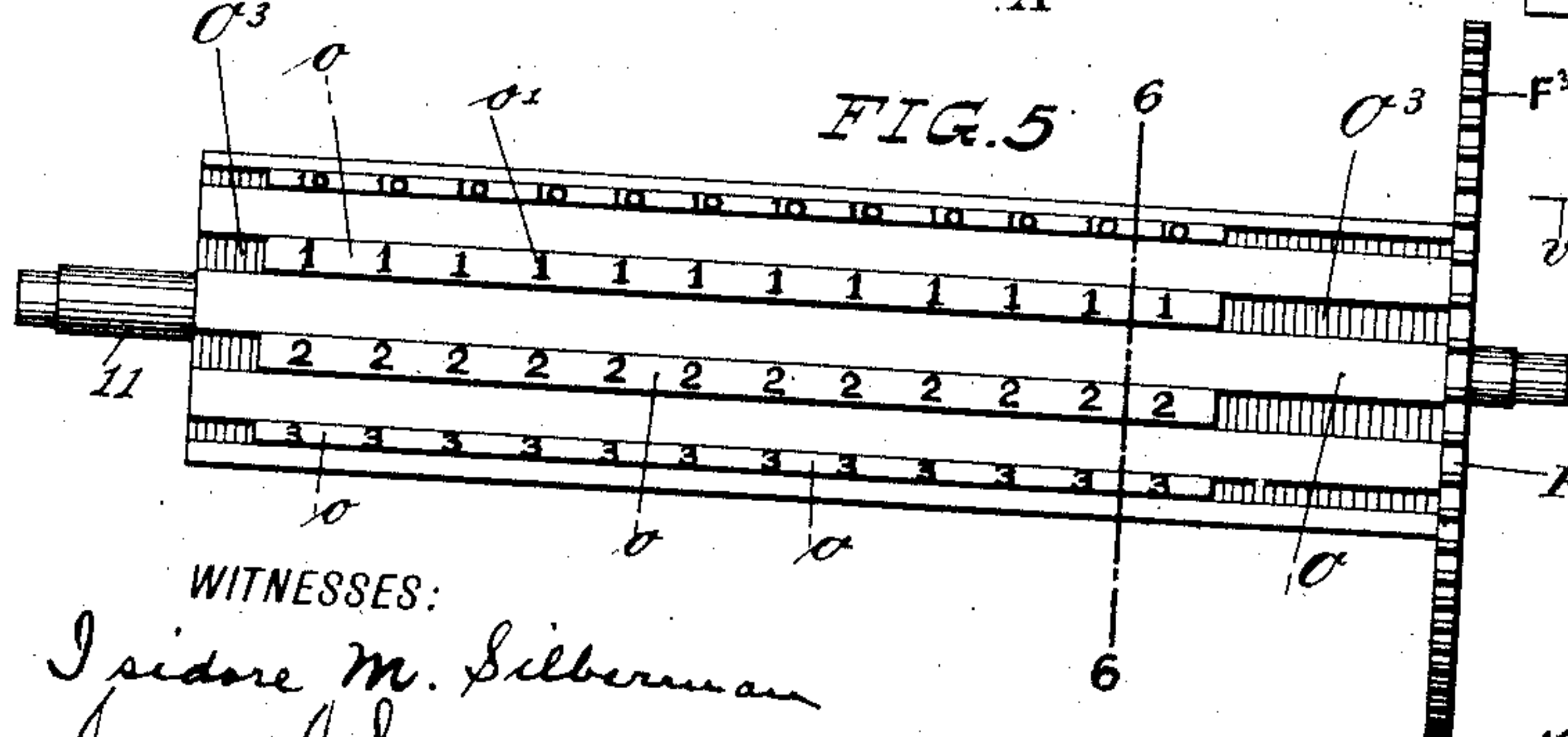
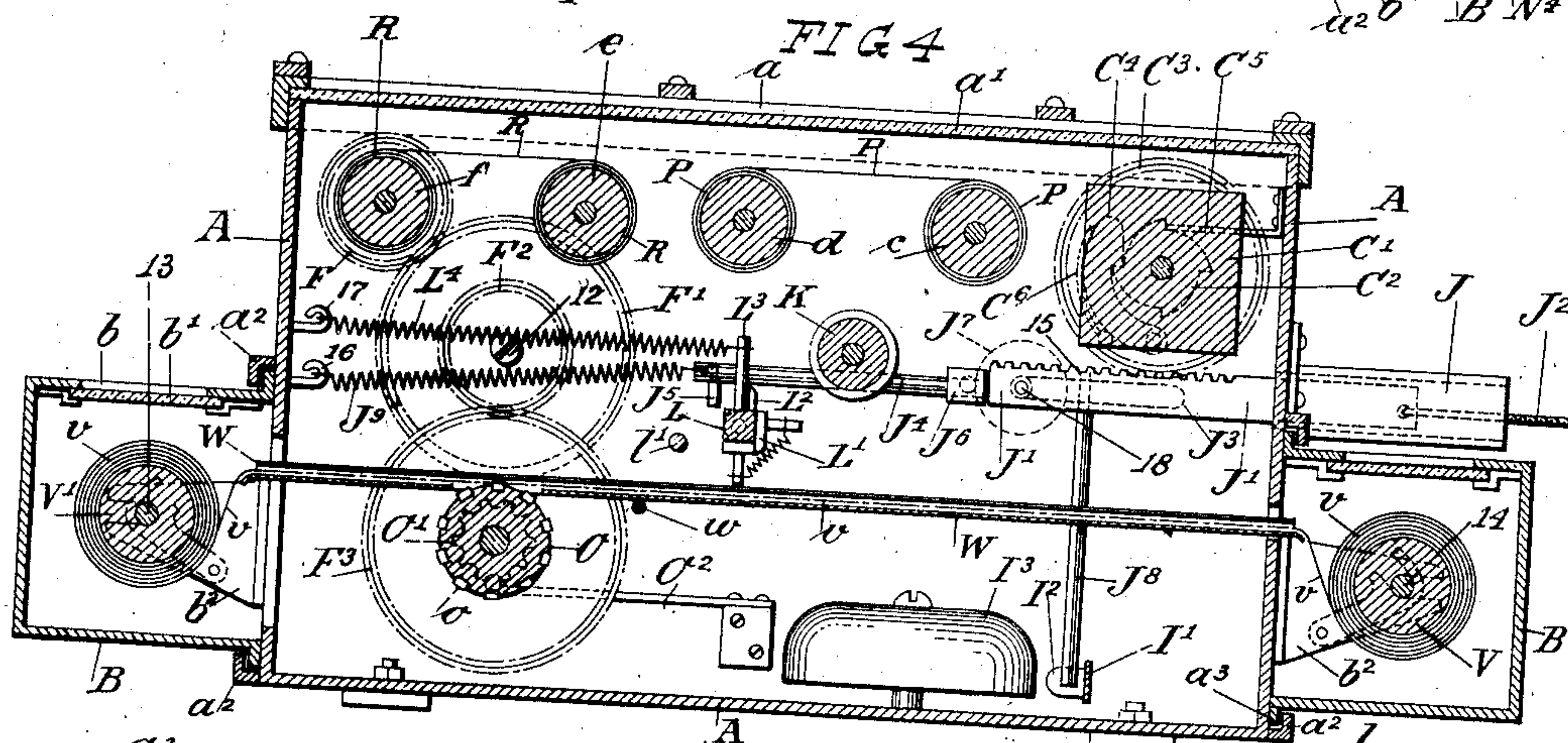
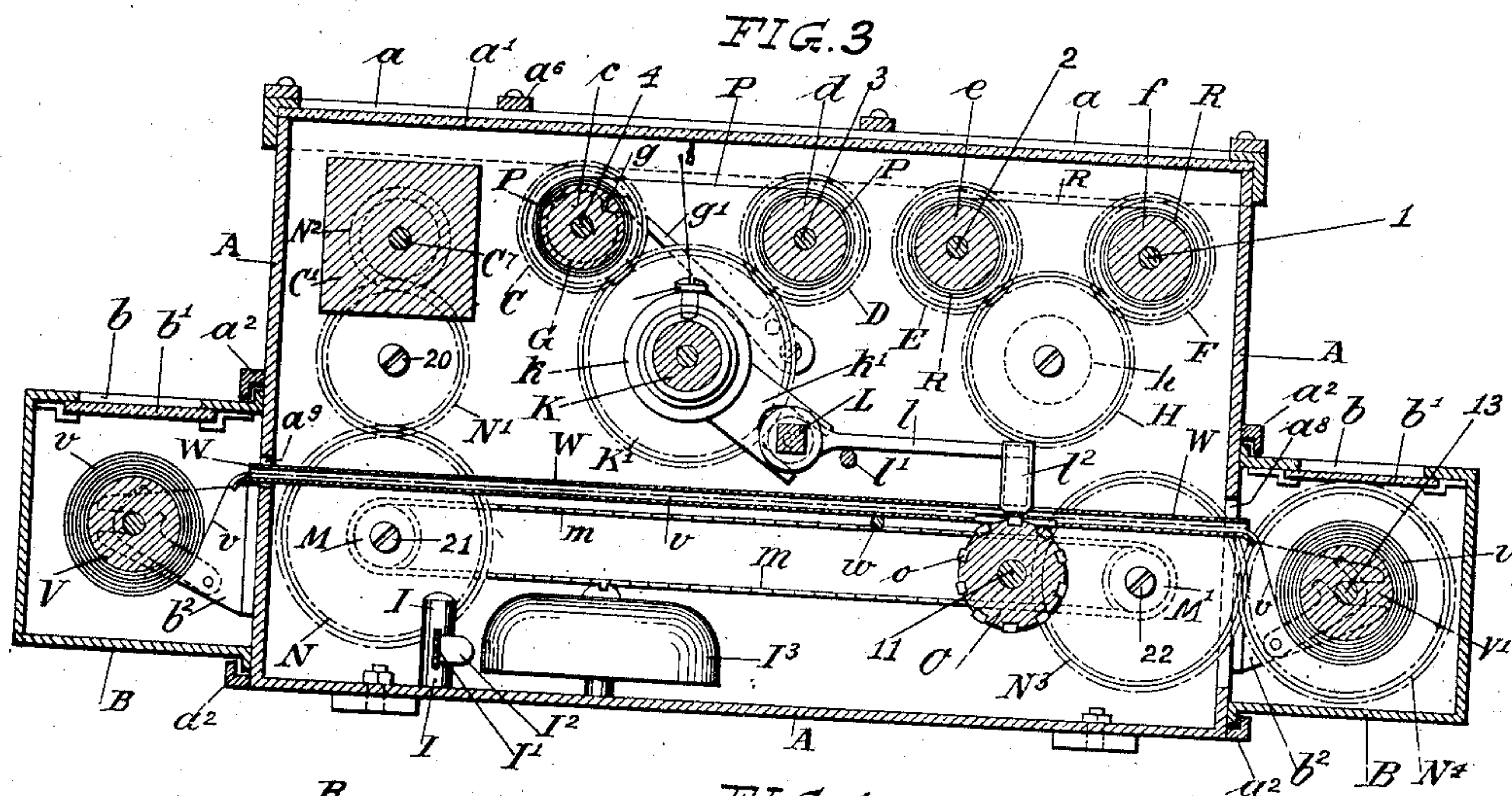
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987,056.

4 SHEETS—SHEET 2.



WITNESSES:

Isidore M. Silbermann
Samuel Fohr

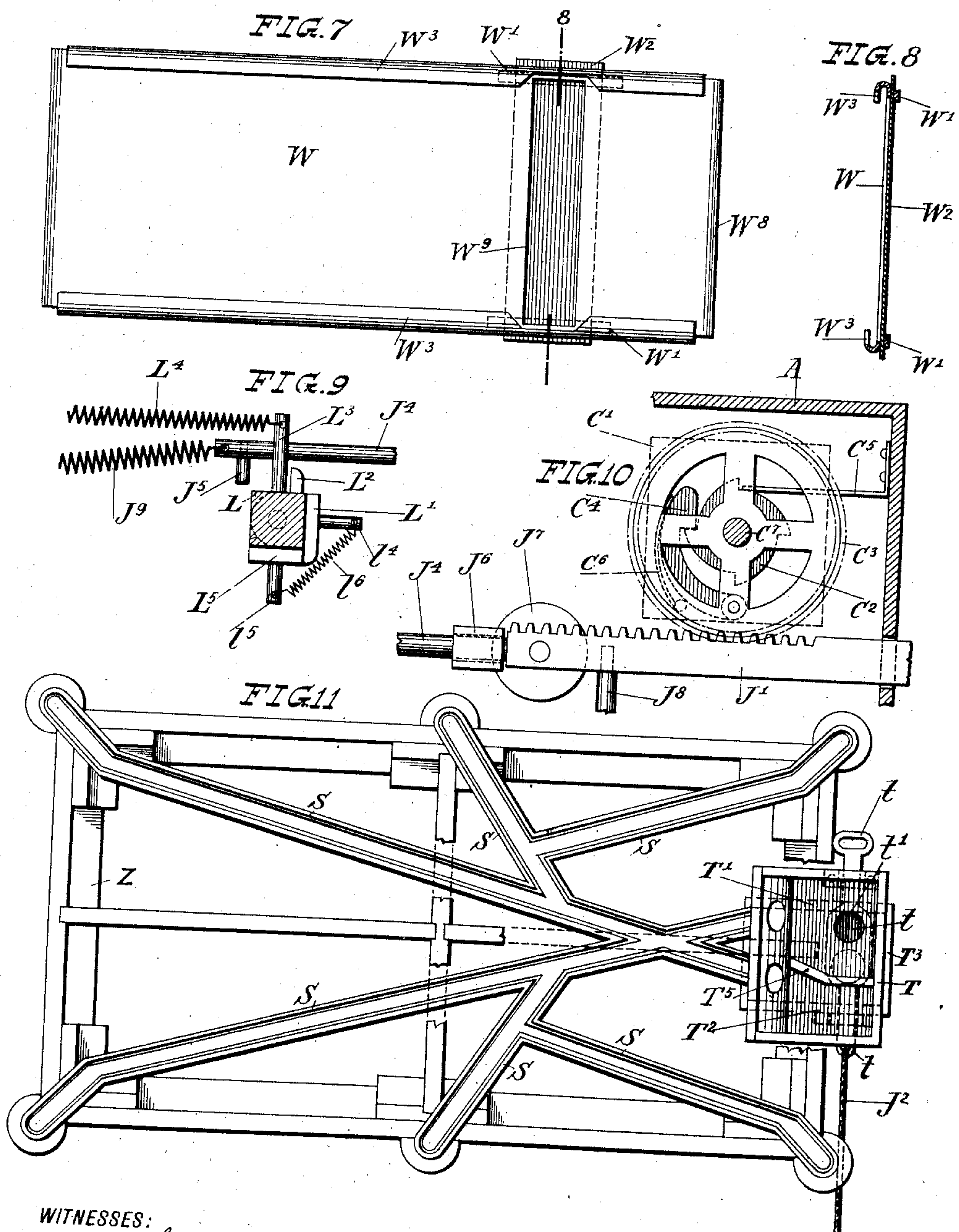
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987,056.

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RECORDER FOR GAMES.
APPLICATION FILED MAR. 14, 1910.

Patented Mar. 14, 1911.
4 SHEETS—SHEET 3.



WITNESSES:
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4 SHEETS—SHEET 4.

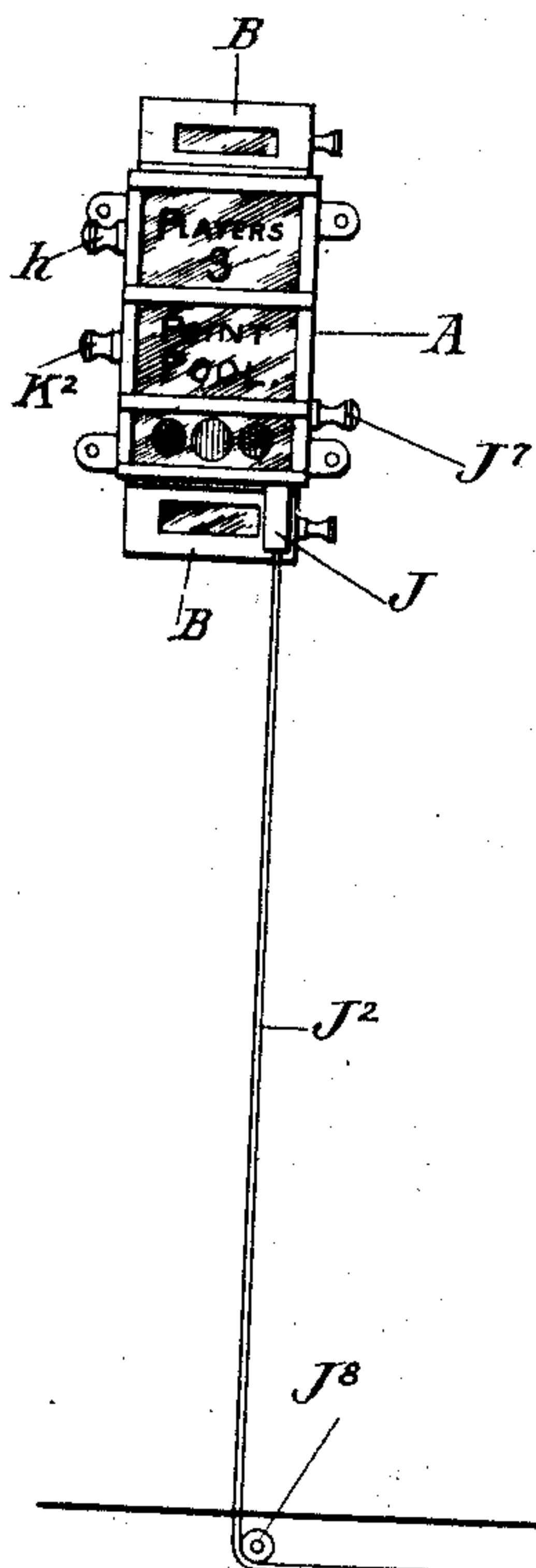


FIG. 12

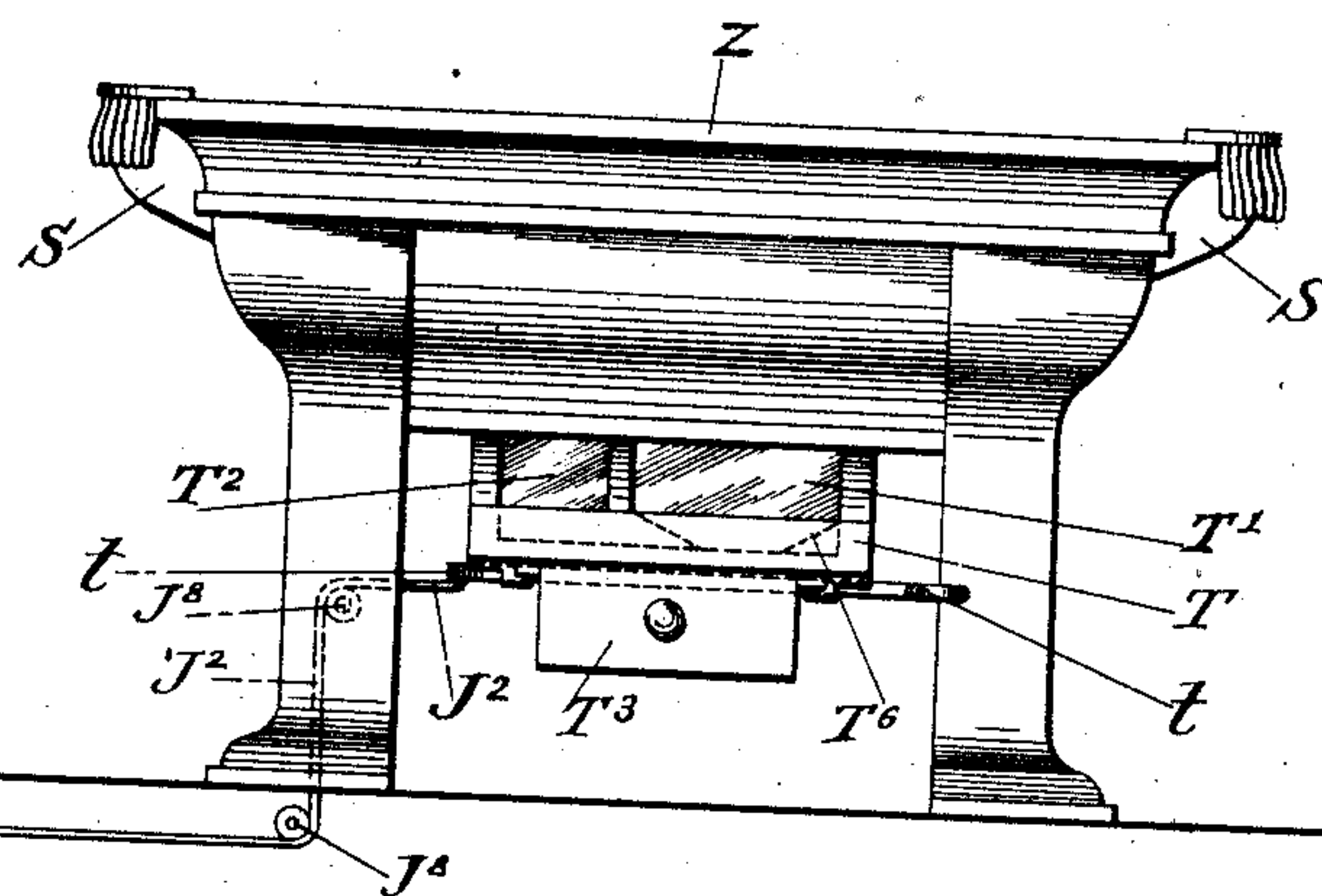


FIG. 14

POOL	POOL	POINT	ONE	P/N
POOL	POOL	POOL	BALL	POOL
5	4	3	2	1
5	4	3	2	1
5	4	3	2	1
5	4	3	2	1
5	4	3	2	1

WITNESSES

Isidor M. Silbermann
Samuel John

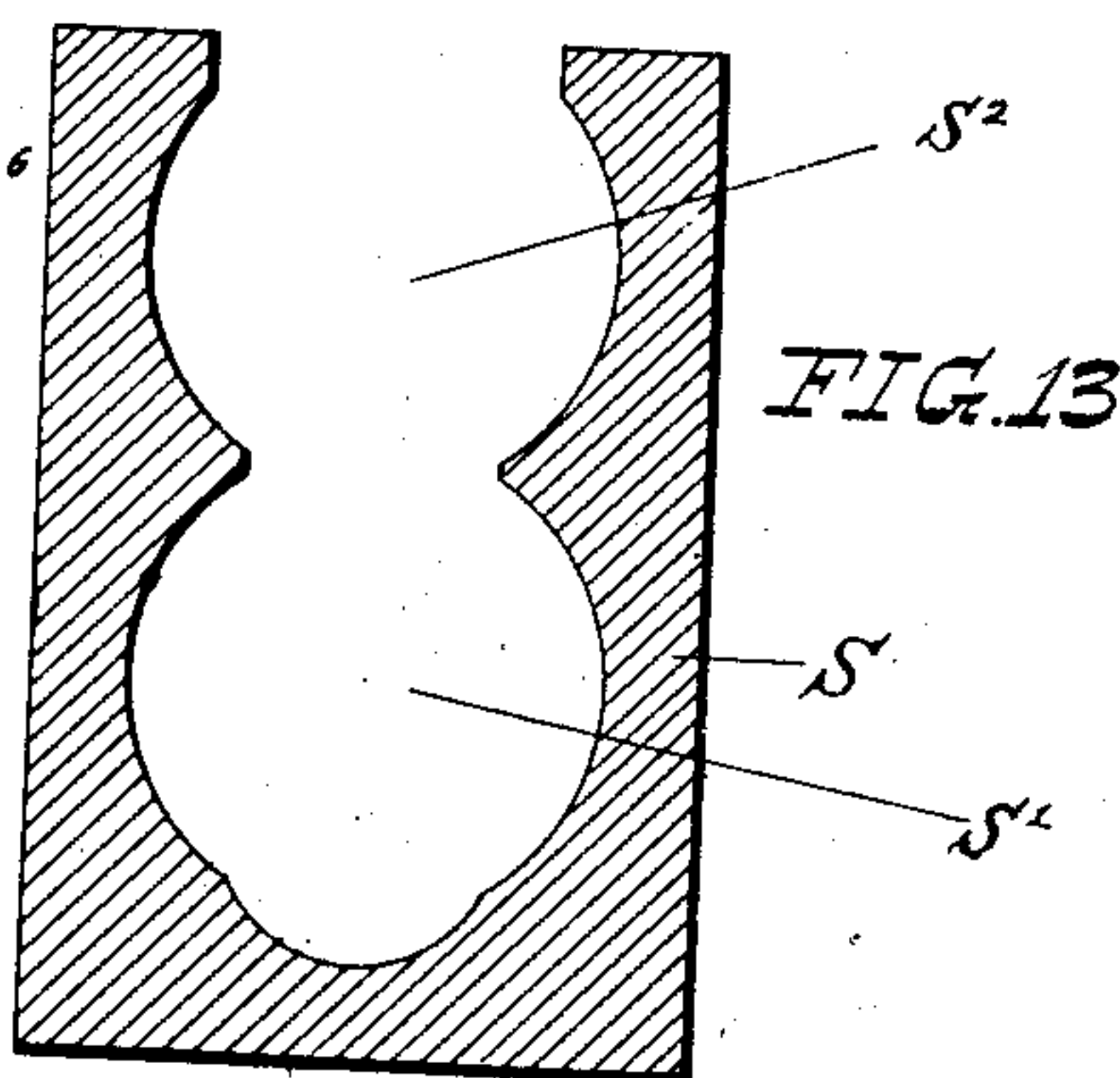


FIG. 13

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UNITED STATES PATENT OFFICE

ALBERT C. FLUSCHMAN, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF TO HENRY MARTINSON, OF NEW YORK COUNTY, NEW YORK.

RECORDER FOR GAMES.

987,056.

Specification of Letters Patent.

Patented Mar. 14, 1911.

Application filed March 14, 1910. Serial No. 549,247.

To all whom it may concern:

Be it known that I, ALBERT C. FLUSCHMAN, a citizen of the United States, and a resident of New York city, in the county of New York and State of New York, have invented certain new and useful Improvements in Recorders for Games, of which the following is a specification.

This invention relates to recorders for games, and the object thereof is to provide a recorder in a manner as hereinafter set forth for recording the number of players playing the game, the number of games played, the name of the game played, as well as visibly indicating the name of the game, the number of players playing the game, and when playing a new game, although the recorder is particularly designed for use in connection with the playing of games of pool, yet it is to be understood that the recorder can be used for any purposes wherein it is found applicable.

As before stated the recorder is particularly designed for use in connection with the playing of games of pool and is set up in operative relation with respect to a ball releasing slide, which forms an element of a ball-receiving pocket associating with a pool table having runways for discharging the balls in said pocket. The release slide being so set up that when it is desired to play a new game of pool, it is necessary to operate the slide to release the balls from the pocket to allow their being set up for the new game, and when the slide is operated the recorder is thrown into operation for permanently recording the playing of another game of pool and which also visibly indicates that another game is being played. Other objects of the invention are to provide a recorder for the purpose set forth, which shall be comparatively simple in its construction and arrangement, strong, durable, efficient in its use, conveniently operated to perform its functions, comparatively inexpensive to manufacture and readily set up in operative position with respect to the pool table.

With the foregoing and other objects in view, the invention consists of the novel construction, combination and arrangement of parts, as hereinafter more specifically described and illustrated in the accompanying drawings, wherein is shown one form of the embodiment of the invention, but it is to be

understood that changes, variations and modifications can be resorted to which come within the scope of the claims hereunto appended.

In the drawings, wherein like reference characters denote corresponding parts throughout the several views and in which:

Figure 1 is an elevation of a recorder in accordance with this invention, Fig. 2 is a sectional elevation, Fig. 3 is a vertical sectional view on line 3—3, Fig. 1, Fig. 4 is a vertical sectional view on line 4—4, Fig. 1, Fig. 5 is a detail in elevation illustrating the type wheel, Fig. 6 is a section on line 6—6, Fig. 5 and further showing the record strip or tape and the impression member or hammer, Fig. 7 is a view illustrating the record strip guide and support, Fig. 8 is a section on line 8—8, Fig. 7, Fig. 9 is a sectional detail broken away illustrating the actuating means for the impression member, Fig. 10 is a sectional detail illustrating the actuating mechanism for the means for indicating the playing of a new game, Fig. 11 is a plan illustrating a pool table provided with a series of ball runways and a ball-receiving pocket or receptacle, Fig. 12 is an elevation showing the adaptation of a recorder in connection with a pool table, Fig. 13 is a cross sectional view of one of the ball runways, and Fig. 14 is a view illustrating the strip provided with a record.

Referring to the drawings in detail, A denotes a vertically-disposed casing having an open front closed through the medium of a transparent cover a' maintained in position through the medium of a frame a . The latter is provided with a series of transversely-extending divisional bars a^b for dividing the transparent cover a' into a plurality of divisions. The top and bottom of the casing A has attached thereto a pair of angle irons a^2 for coupling therewith a receptacle B having flanges a^7 , which are overlapped by the angle irons a^2 . Each of the receptacles B, at one side is provided with an opening b closed by a slide b' . The top of the casing A is provided with an opening a^8 establishing communication between a receptacle B and the interior of the casing A, and the bottom of the casing A is formed with an opening a^9 , whereby communication is established between the other receptacle B and the interior of the casing A.

Journalled in the casing A near the front thereof are the spindles 1, 2, 3, 4 and C⁷. Fixed to the spindle 1 is a roll *f* and at each end a gear wheel F. Fixed to the spindle 2 is a roll *e* and at one end a gear E, which opposes one of the gear wheels F. Fixed to the spindle 3 is a roll *d* and a gear D. Fixed to the spindle 4 is a roll *c*, a gear C and a notched disk G. Fixed to the spindle C⁷ is a squared bar C⁷ having each of its faces provided with a suitable indication C³, the indications upon one face being differently colored from that upon the other face and said spindle C⁷ has furthermore fixed thereto, at one end, a small gear N² and a pinion M, and has fixed to its other end a ratchet C². Loosely mounted upon the spindle C⁷ and in proximity to the ratchet C² is a large gear wheel C³, which carries a dog C⁴ maintained in engagement with the ratchet C² by a spring C⁶. Attached to the casing A and projecting in the path of the ratchet C² is a stop C⁵ to prevent back rotation of the spindle C⁷. By setting up the ratchet C², dog C⁴ and large gear C³, in the foregoing manner it is evident that when the large gear C³ is rotated in one direction that the spindle C⁷ will be moved therewith, but that the stop C⁵ will prevent rotation of the spindle C⁷ in the opposite direction.

Journalled in one side of the casing A is a rotatable shaft H⁵ having fixed thereto a handle *h*, which is arranged exteriorly of the casing A. Said shaft H⁵ has also fixed thereto a large gear H, which meshes with the gears E and F, so that when the handle *h* is rotated, the shaft H⁵ and gear H will be carried therewith and owing to the meshing of the gear H with the gears E and F, the rolls *e* and *f* will be revolved, the roll *f* having, what may be termed, an unwinding movement and the roll *e*, a winding movement if the handle *h* is rotated in one direction, and an opposite movement when the handle *h* is rotated in the opposite direction. Mounted upon the rolls *e* and *f* is an apron R provided with suitable inscriptions, as at R⁵, which are adapted to be exposed through the transparent cover *a'*. The inscriptions upon the apron R indicate the number of players playing the game and the inscription R⁵ is exposed through the cover *a'* by the manually shifting of the handle *h*. The gear H, when the handle *h* is rotated causes the simultaneous operation of the rolls *e* and *f*.

Wound upon the rolls *c* and *d* is an apron P provided with a series of inscriptions to indicate the name of the game, which is being played, as at P⁵. The rolls *c* and *d* are operated simultaneously for the shifting of the apron P to position the proper inscription for exposure through the cover *a'* through the medium of a large gear wheel

K', which meshes with the gears C and D upon the spindles 3 and 4. To maintain the apron P in the position to which it has been adjusted, a spring arm *g'* is attached to one side of the casing A and is formed with a nose *g*, which engages in a notched disk G.

The gear K' is fixed upon the end of the spindle 5 which is journalled in the casing A in a plane below the spindles 3, 4 and projects through one side of the casing A and has fixed to its projecting end a handle K². Fixed to the spindle 5 and arranged within the casing A is a roll K formed with a spiral groove 7, through which travels a pin 8 carried by a collar *k* mounted upon a sleeve 9 arranged upon the roll K. The pin 8 extends through the sleeve 9 and into the groove 7. Projecting from the collar *k* is an inclined arm *k'* having a forked free end *k*², which extends into a grooved collar 10 mounted upon a squared rock shaft L and capable of sliding thereon and which has attached thereto, a laterally-extending hammer arm *l* provided at its free end with an impression hammer *l*², the function of which will be hereinafter referred to. By rotating the handle *k*², the spindle 5 with the roll K thereon will be revolved and motion will also be imparted to the gear K' and, as the latter meshes with the gears C, D, it is obvious that the spindles 3, 4 will be revolved and also owing to the engaging of the pin 8 in the groove 7 the sleeve 9 will be shifted transversely carrying the collar 10 and impression hammer therewith, the collar 10 sliding upon the shaft L. The hammer arm *l*² is supported by a transversely-extending rod *l'*, which is secured to the sides of the casing A.

Journalled in the sides of the casing A in proximity to the opening *a*⁸ is a spindle 11 having fixed thereto a roll O with its periphery formed with longitudinally-extending grooves O³, in each of which is seated a bar *o* provided with a series of type *o'*. The spindle 11, at one end has fixed thereto a large gear wheel F³, which meshes with a pinion F², mounted upon a stub shaft 12 journalled in one side of the casing A. The shaft 12 is provided with a large gear wheel F', which meshes with one of the gear wheels F upon the spindle 1. By operatively connecting the spindle 11 with the pinion F² and by operatively connecting the gear F' with the gear F, it is obvious that when the handle *h* is revolved, that movement will be transmitted to the spindle 11 through the gearing, and the type roll O will be revolved to position a type bar *o* for recording purposes. The roll O is provided with the same number of type bars as the number of inscriptions upon the apron R and the type bars *o* are so disposed throughout the periphery of the roll O, that when an inscription R⁵ has been moved to exposure position, its

corresponding type bar o will be moved to position for recording, such position being below an ink or marking ribbon and also in the path of the impression hammer l^2 . Arranged within the casing A and supported by one end of said casing and also by a transversely-extending bar w is a combined support and recording strip guide, which consists of a vertically-disposed plate W having the side edges, as at W^2 bent upon itself to provide guides. Each end of the plate W is bent in a curvilinear manner, as at W^3 and the said ends W^3 project from the ends of the guides W^2 . The plate W near one end is cut away to form a rectangular opening W^4 for the purpose to be presently referred to. The combined support and guide extends through the openings a^8 and a^9 and into the receptacles B and traveling thereover is an intermittently movable recording strip v , which is divided by longitudinally-extending lines v^5 into divisions v^6 , each of which is suitably designated, as at v^7 for indicating the name of the game played with which each division associates. The strip v is adapted to unwind off of a roll V carried by a spindle 13 removably journaled in brackets b^2 arranged within one of the receptacles B. The strip v travels over the combined guide and support and into the other receptacle B, where it winds upon a roll V' carried by a spindle 14 removably journaled in brackets b^2 . Arranged below the opening W^4 and retained in position by the offset bars W' is an ink or marking ribbon W^2 . To prevent back rotation of the type roll O, the spindle 11 is provided with a toothed wheel O' adapted to be engaged by a resilient dog O², which is fixed to one side of the casing A.

The bottom of the casing A has depending therefrom a guide J into which extends the lower end of a spring-controlled pull bar J' arranged within the casing A and provided with a series of teeth 15 meshing with the large gear wheel C³. Projecting from the bar J' is an arm J⁴, which extends through a guide J⁶ fixed to the casing A and has its free end provided with a depending lug J⁵. The arm J⁴ has attached to its free end one end of a retractile spring J⁹. The other end of the spring J⁹ is connected to a hook 16 fixed to the top of the casing A. The bar J' and arm J⁴ are arranged above the shaft L. Connected to the lower end of the bar J', is a flexible pulling member J², which when it is actuated pulls the bar J' and arm J⁴ downwardly against the action of the spring J⁹ and owing to the meshing of the teeth 15 of the bar J' with the gear C³, the spindle C⁷ will be shifted and the latter will carry the bar C' therewith to change the indication C⁹ exposed by C'. When the pulling member J² is released, the spring J⁹ will return the bar J' and arm J⁴ to normal position, but when the said arm

and bar moves to normal position, the teeth 15 will not actuate the gear C³, owing to the manner in which the pawl and ratchet connections C⁴ and C² are arranged and also in view of the fact of the element C⁵ engaging with the ratchet C² to prevent back rotation of the spindle C⁷.

When the bar J' and arm J⁴ are actuated through the medium of the pulling member J², the squared shaft L is rocked on its journals to elevate the impression hammer l^2 and after the pulling member J² is released, the hammer l^2 is swung downwardly quickly and forces the strip v against the marking ribbon W^2 and the latter against one of the type on a type bar and forms a record in one of the divisions of the recording strip v . The mechanism for operating the hammer l^2 in the manner, as stated, consists of a laterally-disposed lug L², which is arranged in the path of the lug J⁵. The lug L² projects from the shaft L into the path of the lug J⁵, so that when the arm J⁴ is pulled downwardly, the lug J⁵ will engage the lug L² and rock the shaft L to shift the hammer l^2 away from the strip v and against the pulling action of the spring L⁴, the latter has one end attached to an arm L³ projecting from the shaft L and has its other end connected to a hook 17 fixed to the casing A. When the pulling member J² is released, the spring L⁴ contracts and actuates the hammer l^2 to engage the strip v , so as to form a record thereof in the proper division v^6 thereof. The rocking of the shaft L is also had against the action of a pulling spring L⁶, which has one end attached to a lug L⁴ carried by a support L' fixed to the casing A and which has its other end connected to a lug L⁵ projecting from a plate L⁵, which is secured to the shaft L.

In lieu of actuating the bar J' through the medium of the pulling member J², the said bar J' can be shifted downwardly against the action of the spring J⁹ by a handle J⁷, which extends through a slot J³ formed in one of the side walls of the casing A and is connected to the bar J', as at 18.

The recorder is provided with a sounding device for indicating every time a record has been made and said device consists of a bell I³ fixed to the back wall of the casing A and arranged in the path of a clapper I² carried on the lower end of an arm J⁸ depending from the bar J'. The stop I' is provided for limiting the movement of the clapper I² in one direction. When the pulling member J² is released, the clapper I² engages the bell I³ owing to the action of the spring J⁹ upon the arm J⁴ and bar J'. In Fig. 11, Z indicates the base of a pool table which is provided with duplex ball runways S to provide for pool balls of different diameters. In this connection, it will be stated that the balls used for playing pool

are divided into two classes, spotted and colored, they differ in size as they do in color, one class being of larger size than the other. The balls of the smaller size travel through the channels S' and the balls of the larger size travel through the channel S^2 (Fig. 13). The runways S open into a receptacle T divided by the partition T^5 into pockets T' and T^2 , the latter communicating with the former through the partition T^5 , a suitable opening being provided therefor. The balls of the larger set are discharged into the pocket T' , while the balls of the smaller set are discharged into the pocket T^2 . The front of the receptacle T is formed with a transparent wall, so that the balls in either of the pockets can be seen. The pocket T' is formed with a cone-shaped bottom T^6 provided with an outlet opening t' normally closed by a slide t supported by the receptacle T . Arranged below and supported by the receptacle T is a drawer T^3 , into which the balls are discharged when released from the pocket T' . The slide t is of a greater length than the receptacle T and has one end attached to the pulling member J^2 and its other end provided with a handle. The slide t is formed with an opening which is adapted to register with the opening T^5 , so that the balls can be discharged from the pocket T' into the drawer T^3 . The opening in the slide t is normally out of register with the opening T^5 . When the slide t is shifted so that its opening will register with the opening T^5 , the flexible member J^2 is pulled and which causes an actuation of the bar J' and arm J^4 , whereby a record will be made. Under such conditions, it is evident that the balls cannot be removed from the pocket T' unless the recorder is actuated. The flexible pulling member J^2 travels over the pulleys J^8 .

The record strip is intermittently shifted through the medium of a gear wheel N' mounted upon a stub shaft 20, journaled in one side of the casing A and which meshes with a gear wheel N^2 and also with a gear wheel N . The reference character 21 denotes a stub shaft journaled in one of the side walls of the casing A and below the combined guide and recording strip support and to which is attached the gear wheel N . The shaft 21 is also provided with a pinion M , which engages with and imparts motion to a transmission belt m , when the gear wheel N is operated through the medium of the gears N' and N^2 , when the spindle C' is actuated. Arranged below the combined recording strip guide and support, is a stub shaft 22 which opposes the shaft 21 and carries a pinion M' over which travels the transmission belt m . The shaft 22 has fixed thereto a gear wheel N^3 , which projects through the opening α^8 and engages with a gear wheel N^4 arranged within one of the receptacles B , and fixed to the spindle 13.

From the foregoing construction and arrangement of parts, it is obvious that the recorder comprises an indicating mechanism for exposing an inscription to indicate the number of players playing the game and which is operatively connected with the type wheel for positioning it to print; an indicating mechanism for exposing an inscription to indicate the name of the game played and which is operatively connected with a mechanism for positioning an impression hammer associating with the type wheel; an indicating mechanism for exposing an indication to indicate that a new game is being played and which is operatively connected with a record strip feeding means; and a mechanism whereby the impression hammer is adjusted to strike and which also actuates the indicating mechanism for exposing an inscription to indicate that a new game is being played and which furthermore operates an alarm mechanism to signal that a record has been made upon the recording strip.

Briefly described the manner in which the recorder operates is as follows: The apron R is shifted to expose the proper inscription by manipulating the handle h , the latter rotating the gear H and causing the rolls e and f to revolve owing to the meshing of the gear H with the gears E and F . Simultaneously with an adjusting of the apron R the type wheel C is shifted to position the proper type bar for printing, the shifting of the type wheel O is had through the medium of the gear F^3 meshing with the pinion F^2 upon the shaft 12, the latter being revolved through the medium of the gear wheel F' revolving owing to the meshing thereof with the other gear F upon the spindle 1. After the apron R and type wheel O have been properly positioned, the apron P is then adjusted, so as to expose the desired inscription P^5 . The shifting of the apron P is had by manipulating the handle K^2 , whereby the gear K' is revolved and owing to the meshing of said gear with the gear C and D , the apron P is shifted. Simultaneously with the shifting of the apron P , the impression hammer l^2 is shifted transversely with respect to the casing in a manner as hereinbefore set forth so that when the impression hammer l^2 strikes, it will make a record in the proper space of the recording strip v . Now it will be assumed that it is desired to record upon the strip a record of the number of players playing the game, as well as the name of the game. The flexible member J^2 is pulled downwardly which actuates the bar J' and as the toothed portion of said bar meshes with the gear C^3 , the spindle C' is actuated so as to shift the bar C' to expose another inscription to indicate that a new game is being played, simultaneously with the actuating of the spindle C' , the shaft L is

rocked by engagement of the lug J^5 with the lug L^2 , whereby the impression hammer I^2 is elevated against the pulling action of the spring L^4 . When the bar J' is pulled downwardly by the member J^2 , it is accomplished against the action of the spring J^0 . When the member J^2 is released the spring L^4 causes the hammer I^2 to strike the recording strip whereby a record is made thereon, and the spring J^0 causes the bar J' to assume its normal position. Simultaneously with the actuating of the spindle C^7 the gears N' and N are operated, whereby motion is transmitted through the belt m , the gear N^3 , the pinion N' and gear N^4 , whereby the spindle 14 will be operated and the strip v shifted to present a surface for record. The actuation of the member T^2 is had by pulling the release slide t to allow the removal of the balls from the receptacle T .

In pool rooms, where the charges are hourly ones, the type bars, as well as the recording strip v can be changed accordingly and a time record made.

What I claim is:—

1. A device for the purpose set forth comprising a pair of indicating mechanisms, independent operating means for each of said mechanisms, a type wheel printing mechanism having a spring-pressed controlled and adjustable impression hammer, means whereby said printing mechanism is positioned for printing by one of said operating mechanisms, another indicating mechanism, means whereby the said last-mentioned indicating mechanism and printing mechanism are operated, mechanism for intermittently shifting a record strip in operative indicating mechanism and printing mechanism, and means operatively connected with said last-mentioned indicating mechanism for actuating the mechanism for intermittently shifting the record strip and an alarm mechanism operated simultaneously with the action of said hammer of the printing mechanism.

2. A device for the purpose set forth comprising a type wheel, a spring controlled and adjustable impression hammer, a pair of indicating mechanisms, means for adjusting one of said mechanisms and for simultaneously adjusting said type wheel, means for adjusting the other of said indicating mechanisms and for simultaneously adjusting said hammer, and means whereby said hammer is actuated for printing.

3. A device for the purpose set forth comprising a type wheel, a spring controlled and adjustable impression hammer, a pair of indicating mechanisms, means for adjusting one of said mechanisms and for simultaneously adjusting said type wheel, means for adjusting the other of said indicating mechanisms and for simultaneously adjusting said hammer, means whereby said

hammer is actuated for printing, another indicating mechanism, means whereby it is operated, and mechanism for intermittently shifting a record strip operatively connected and simultaneously operated with said last mentioned indicating mechanism.

4. A device for the purpose set forth comprising a type wheel, a spring controlled and adjustable impression hammer, a pair of indicating mechanisms, means for adjusting one of said mechanisms and for simultaneously adjusting said type wheel, means for adjusting the other of said indicating mechanisms and for simultaneously adjusting said hammer, means whereby said hammer is actuated for printing, and an alarm mechanism operated simultaneously with the operation of the hammer.

5. A device for the purpose set forth comprising a type wheel, a spring controlled and adjustable impression hammer, a pair of indicating mechanisms, means for adjusting one of said mechanisms and for simultaneously adjusting said type wheel, means for adjusting the other of said indicating mechanisms and for simultaneously adjusting said hammer, means whereby said hammer is actuated for printing, another indicating mechanism, means whereby it is operated, mechanism for intermittently shifting a record strip operatively connected and simultaneously operated with said last mentioned indicating mechanism, and an alarm mechanism operated simultaneously with the operation of the hammer.

6. A device for the purpose set forth comprising an indicating mechanism, a printing mechanism embodying a hammer and a type wheel, means for adjusting the indicating mechanism, means whereby said type wheel is simultaneously adjusted with the adjusting of the indicating mechanism, means for adjusting said hammer, a resilient element for operating said hammer, reciprocatory means when operating in one direction elevating said hammer, whereby tension is stored in said resilient element, and means for shifting said reciprocatory means in the opposite direction whereby the hammer is released for printing.

7. A device for the purpose set forth comprising an indicating mechanism, a printing mechanism embodying a hammer and a type wheel, means for adjusting the indicating mechanism, means whereby said type wheel is simultaneously adjusted with the adjusting of the indicating mechanism, means for adjusting said hammer, a resilient element for operating said hammer, reciprocatory means when operating in one direction elevating said hammer, whereby tension is stored in said resilient element, means for shifting said reciprocatory means in the opposite direction whereby the hammer is released for printing, mechanisms for inter-

mittently shifting a record strip in operative relation with respect to said printing mechanism, an indicating mechanism operatively connected with said strip shifting mechanism for operating the latter when the indicating mechanism is operated, and means actuated by said reciprocatory means for operating the last-mentioned indicating mechanism.

10 8. A device for the purpose set forth comprising an indicating mechanism, a printing mechanism embodying a hammer and a type wheel, means for adjusting the indicating mechanism, means whereby said
15 type wheel is simultaneously adjusted with the adjusting of the indicating mechanism, means for adjusting said hammer, a resilient element for operating said hammer, reciprocatory means when operating in one
20 direction elevating said hammer, whereby tension is stored in said resilient element, means for shifting said reciprocatory means in the opposite direction whereby the hammer is released for printing, mechanisms
25 for intermittently shifting a record strip in operative relation with respect to said printing mechanism, an indicating mechanism operatively connected with said strip shifting mechanism for operating the latter when
30 the indicating mechanism is operated, means actuated by said reciprocatory means for operating the last-mentioned indicating mechanism, another indicating mechanism, and means actuated by the adjusting means
35 for said hammer for operating said last-mentioned indicating mechanism.

9. A device for the purpose set forth comprising an indicating mechanism, a printing mechanism embodying a hammer and
40 a type wheel, means for adjusting the indicating mechanism, means whereby said type

wheel is simultaneously adjusted with the adjusting of the indicating mechanism, means for adjusting said hammer, a resilient
45 element for operating said hammer, reciprocatory means when operating in one direction elevating said hammer, whereby tension is stored in said resilient element, means for shifting said reciprocatory means in the
50 opposite direction whereby the hammer is released for printing, mechanisms for intermittently shifting a record strip in operative relation with respect to said printing mechanism, an indicating mechanism operatively connected with said strip shifting
55 mechanism for operating the latter when the indicating mechanism is operated, means actuated by said reciprocatory means for operating the last-mentioned indicating mechanism, another indicating mechanism, 60
and means actuated by the adjusting means for said hammer for operating said last-mentioned indicating mechanism, and an alarm mechanism operated by said reciprocatory means simultaneously with the printing
65 ing by the hammer.

10. In a game recorder, the combination with a ball-receiving receptacle, and a normally closed release slide for the balls, of a combined recording and indicating mechanism, and a flexible connection between
70 said mechanism and said slide for operating the mechanism when the slide is shifted to release the balls.

Signed at New York city in the county of
New York and State of New York this 10th
day of March A. D. 1910. 75

ALBERT C. FLUSCHMAN.

Witnesses:

SAMUEL JOHN,
MIRIAM LEFKOWITZ.