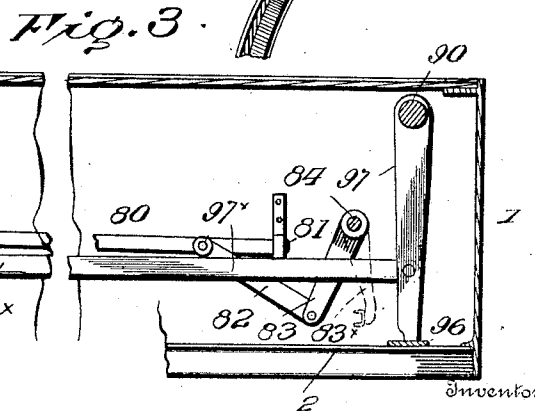
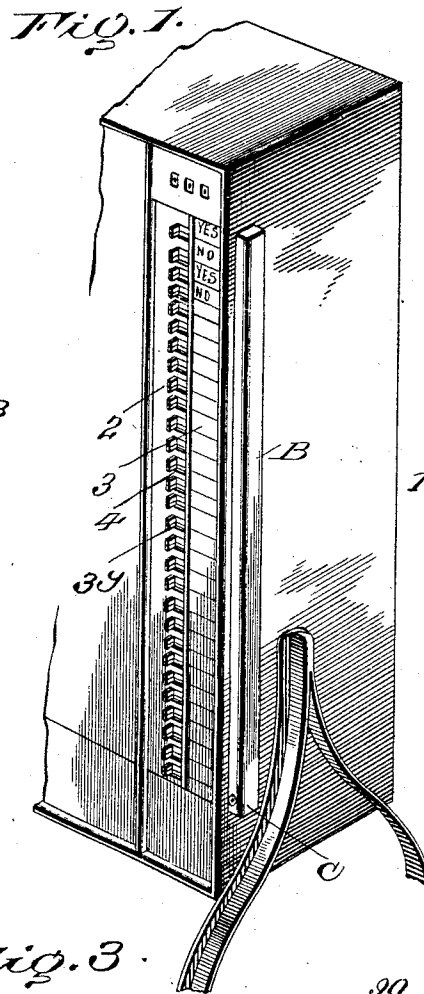
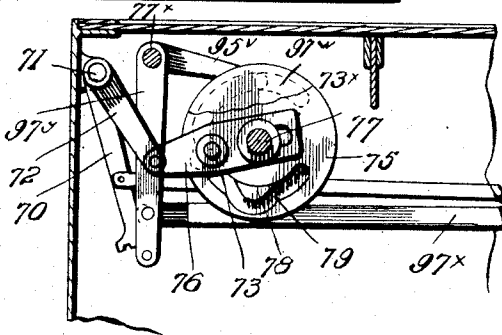
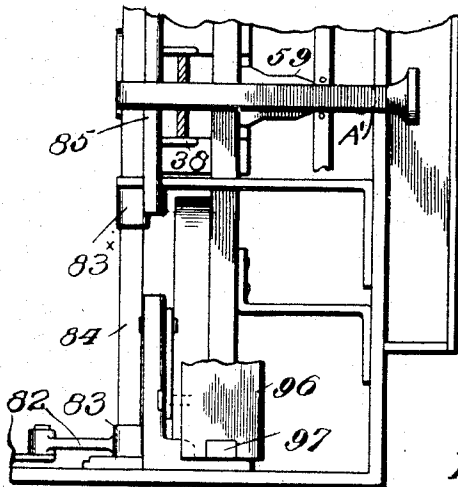
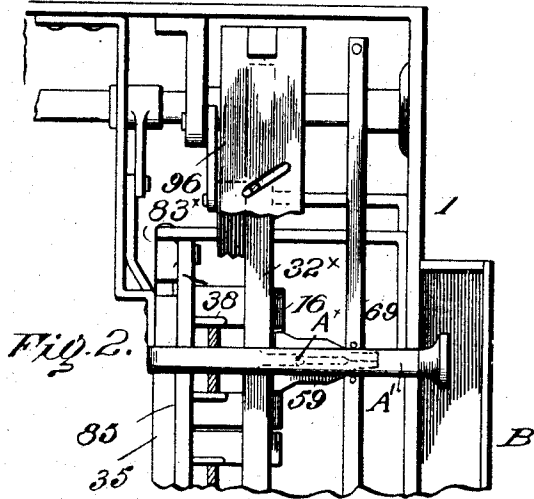


C. H. OCUMPAUGH.
 QUESTION VOTING MECHANISM.
 APPLICATION FILED MAR. 12, 1904.

947,497.

Patented Jan. 25, 1910.

2 SHEETS—SHEET 1.



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CHARLES H. OCUMPAUGH, OF ROCHESTER, NEW YORK.

QUESTION-VOTING MECHANISM.

947,497.

Specification of Letters Patent.

Patented Jan. 25, 1910.

Original application filed December 7, 1903, Serial No. 184,187. Divided and this application filed March 12, 1904. Serial No. 197,835.

To all whom it may concern:

Be it known that I, CHARLES H. OCUMPAUGH, a resident of Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Question-Voting Mechanism; and I do hereby 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.

The invention relates to the so-called question voting mechanism such as indicated in my application filed Dec. 7, 1903 and numbered 184,187 of which the present is a division, and its objects are to provide simple, efficient and certainly-acting devices for indicating and recording votes pro or con relative to any proposition submitted.

The invention consists in the construction hereinafter described and pointed out.

In the accompanying drawing, Figure 1 is a partial perspective of a voting machine showing keys for question voting arranged in pairs; Fig. 2 is a partial rear elevation, the back of the casing being removed, a resetting plate broken away in part and question keys sectioned; Fig. 3 is a broken horizontal section showing resetting devices; Fig. 4 is a partial vertical section showing official lockout devices and a resetting bar; Fig. 5 is a partial horizontal section taken above an indicator and register.

Numerals 1 denotes the machine case and 2 its front plate which is provided with a series of slots 4 to permit the movement therein of indicators 3^x. Preferably a pair of indicators are separately movable in each slot though this is not essential.

3 denotes a card or plate holder for any suitable inscription.

Each indicator is fixed to a casing 16 holding a register, which casing is supported by the front plate and by a ledge 32^v on a fixed bar 32^x. 35 also denotes a fixed bar.

34 indicates a pawl bar provided with pawls 36 and movably supported in the register case. It carries a pin 38 which is entered in the groove of a bar 32 whenever the key or indicator 3^x is moved to the right in a slot 4 thereby moving the register case and all parts connected with it. The bar 34 is subsequently moved rearwardly to actuate a register wheel by the outgoing voter by means of mechanism, which as it forms no

part of the present improvement need not be particularly described herein. It comprises two suspended bars 32 and 34^x which are simultaneously moved rearwardly, bar 32 actuating the register as stated and bar 34^x moving out of the path of pin 38 in its rearward movement, to be in readiness to act as a resetting bar, the resetting mechanism not being further described in this division of the application.

96 indicates a resetting bar to restore the key and connected parts to the situation represented in Figs. 1 and 5 by means of mechanism actuated by the outgoing voter and which will be further explained. Each key is immediately fixed to an interlocking wedge 59 and the wedges are arranged in pairs and have thin portions 59^x normally situated and movable in an opening in a fixed vertical bar 62, said opening being of such size that the thick part of one wedge and the thin part of another will fill it and prevent the simultaneous insertion of the thick parts of both, thereby preventing the actuation of two keys at the same time. The bar 62 may consist of members connected by pins or abutments 62^x between which the wedges are movable as stated.

The resetting mechanism for the question indicators comprises bar 96 and also comprises an arm 97 movably supported by a short shaft 90 actuated by a bar 97^x operatively connected to an arm 97^v of a bell crank fixed on an oscillating shaft 77^x. The other crank arm 95^v carries a pin traveling in a groove 97^w in a cam 73^x fixed on a shaft 77 actuated by the outgoing voter by means of mechanism not shown.

A' denotes an official lockout indicator bar for a pair of question votes. The indicator has a handle exterior to the machine case and inclosed in a hinged cover B having a lock C. There is an indefinite number of these bars corresponding to the number of pairs of keys and each bar has a stud which can be moved between the thickened portions of the interlocking wedge 59 to so spread them that the thickened portion of neither wedge 59 can be inserted in the opening in the vertical bar 62, thus locking the pair of question indicators against movement. The cover B, under control of officials, prevents meddling with the lockout.

The official lockout for the question vote is reset by a bar 85 adapted to engage the end

85* of the lockout bar A'. Said bar 85 is actuated by arms 83* of a shaft 84 having an arm 83 connected by a link 82 to a bar 80 sliding in a bearing 81, and having its opposite end pivoted to an arm 70 fixed to a shaft 71. This shaft is suitably rocked by the outgoing voter by means of an arm 72 loosely connected to a cam pin bar 76 having a pin 73 traveling in a concentric course 78 of a disk 75 (the actuating parts being moved by the ingoing voter by mechanism not shown). In this movement of shaft 77 and cam 75 said cam is inoperative and any lockout that may have been set by an official is undisturbed. The said shaft and its disk 75 are returned by the outgoing voter, but at such time the pin 73 is in the eccentric course or groove 79, which causes the bar 85* to reciprocate and reset any lockout that may have been actuated, and it is itself reset.

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

1. The combination of a pair of adjacent interlocking indicators, with a bar having an opening to receive both indicators and to permit operation of either one of them to the exclusion of the other, and a single movable part operating to change the relative dimensions of said opening and the space occupied by the indicators in the opening to lock out both indicators when desired.

2. In a voting machine, a pair of indicators connected to interlocking wedges normally in contact and movable in parallel lines, abutments whereby each indicator wedge may interlock the other, and a device having a single part engaging both wedges to effect a lockout.

3. In a voting machine, a pair of indicators connected to interlocking wedges normally in contact and movable in parallel lines, abutments whereby each indicator wedge may interlock the other, and a device having a single part engaging both wedges to effect a lockout said part being situated between the wedges.

4. In a voting machine, a series of question indicators arranged in interlocking pairs, means for locking both against movement, said means consisting of one lockout indicator for each pair of question indicators, and a cover common to two or more of that class of indicators.

5. In a voting machine, a pair of interlocking question indicators, either of which when actuated locks the other against actuation, one attached to a left and the other to a right hand interlocking part, and a third interlocking part of a different class to interlock with both of the pair.

6. In a voting machine, a pair of indicator wedges either wedge being movable to lock the other, and a single lockout device

for the pair of indicator wedges, said lockout device being between and adapted to lock out both keys of the pair.

7. In a voting machine, pairs of indicators each indicator having a wedge and either of a pair being movable to lock out the other, and a single lockout device for each pair, said lockout device being between the wedges and adapted to lock out both keys of the pair, and a resetting bar common to the lockout devices.

8. In a voting machine, a series of pairs of question indicators, each indicator of each pair being movable to voted position, the other remaining in unvoted position, a series of lockout devices comprising lockout indicators, one for each pair of question indicators, each lockout device operating on its pair of question indicators to prevent voting movement of either indicator, resetting bars in coöperating relation to operated lockout devices, means for moving said resetting bars to reset operated lockout devices, other resetting bars in coöperative relation to operated question indicators, and means for moving the latter bars to reset either question indicator of any pair or of all pairs left in voted position.

9. In a voting machine, a series of pairs of question indicators, each indicator of each pair being movable to voted position, the other remaining in unvoted position, a series of lockout devices comprising lockout indicators, one for each pair of question indicators, each lockout device operating on its pair of question indicators to prevent voting movement of either indicator, a cover common to two or more of said lockout indicators, and a lock for said cover.

10. In a voting machine, a series of pairs of question indicators, each indicator of each pair being movable to voted position, the other remaining in unvoted position, a series of lockout devices comprising lockout indicators, one for each pair of question indicators, each lockout device operating on its pair of question indicators to prevent voting movement of either indicator, a resetting bar common to several lockout indicators, and a part of each lockout indicator put in coöperative relation to the lockout resetting bar when the lockout indicator is operated.

11. In a voting machine, the combination of a bar provided with a pair of abutments, a pair of contiguous indicator wedges extending into the opening between said abutments and adapted to interlock, and a lockout device appropriated exclusively to said pair of wedges.

12. In a voting machine, the combination of indicators, interlocking wedges, one for each indicator, movable from and toward each other, a pair of abutments exclusively appropriated to said wedges, and a lockout

device adapted to spread the wedges, said wedges being normally nearest together and free to move between said abutments.

13. In a voting machine, the combination
5 of indicators arranged in pairs, an interlocking wedge for each indicator movable from and toward each other, said wedges when in one position being free to move to voted position, and when in the other position
10 being locked against movement to voted position.

14. In a voting machine, a series of question indicators arranged in pairs and having a sliding movement, the movement of one
15 of a pair of indicators locking the movement of the other, a part fixed to and movable with each indicator, and contiguous interlocking parts to effect the said interlocking, a register fixed to each indicator, either indicator after having been moved being capable
20 of being reset to normal position without its corresponding register being actuated.

15. The indicators, the registers for question voting fixed to the indicators, and an
25 interlocking wedge fixed to each indicator, the registers and wedges being connected to and immediately movable with the indicators.

16. The indicators, the registers for question voting fixed to the indicators, an interlocking wedge to each indicator, the registers and wedges being connected to and immediately movable with the indicators, and resetting mechanism comprising a part
30 moved by the voter in approaching the face of the machine.

17. A register for voting, a pair of indi-

cators, two interlocking wedges pivotally connected one to each indicator and movable
40 therewith, abutments having a predetermined space between them larger than the space normally occupied by said wedges, an official lockout device operation of which decreases the difference between the size of the space intermediate the abutments and
45 the space occupied by the indicators to prevent operation of either indicator and wedge.

18. The registers for question voting, a pair of indicators, two interlocking wedges pivotally connected one to each indicator
50 and movable therewith, and an official lockout device adapted to lock out said pair of indicators said device comprising a stud to be moved between the wedges.

19. The registers for question voting, indicators, interlocking wedges pivotally connected one to each indicator, an official lockout device, and a cover to prevent meddling
55 with the lockout.

20. The registers for question voting, indicators connected to the registers, interlocking wedges pivotally supported and immediately connected to the registers, resetting mechanism, and means for immediately returning said mechanism to its normal position.
65

In testimony whereof, I have signed this specification in the presence of two subscribing witnesses.

CHARLES H. OCUMPAUGH.

Witnesses:

A. M. ZIMMER,
A. GREENWOOD.