

(No Model.)

M. J. NEUMANN, Jr.
GAME REGISTER.

No. 503,978.

Patented Aug. 29, 1893.

Fig. 1.

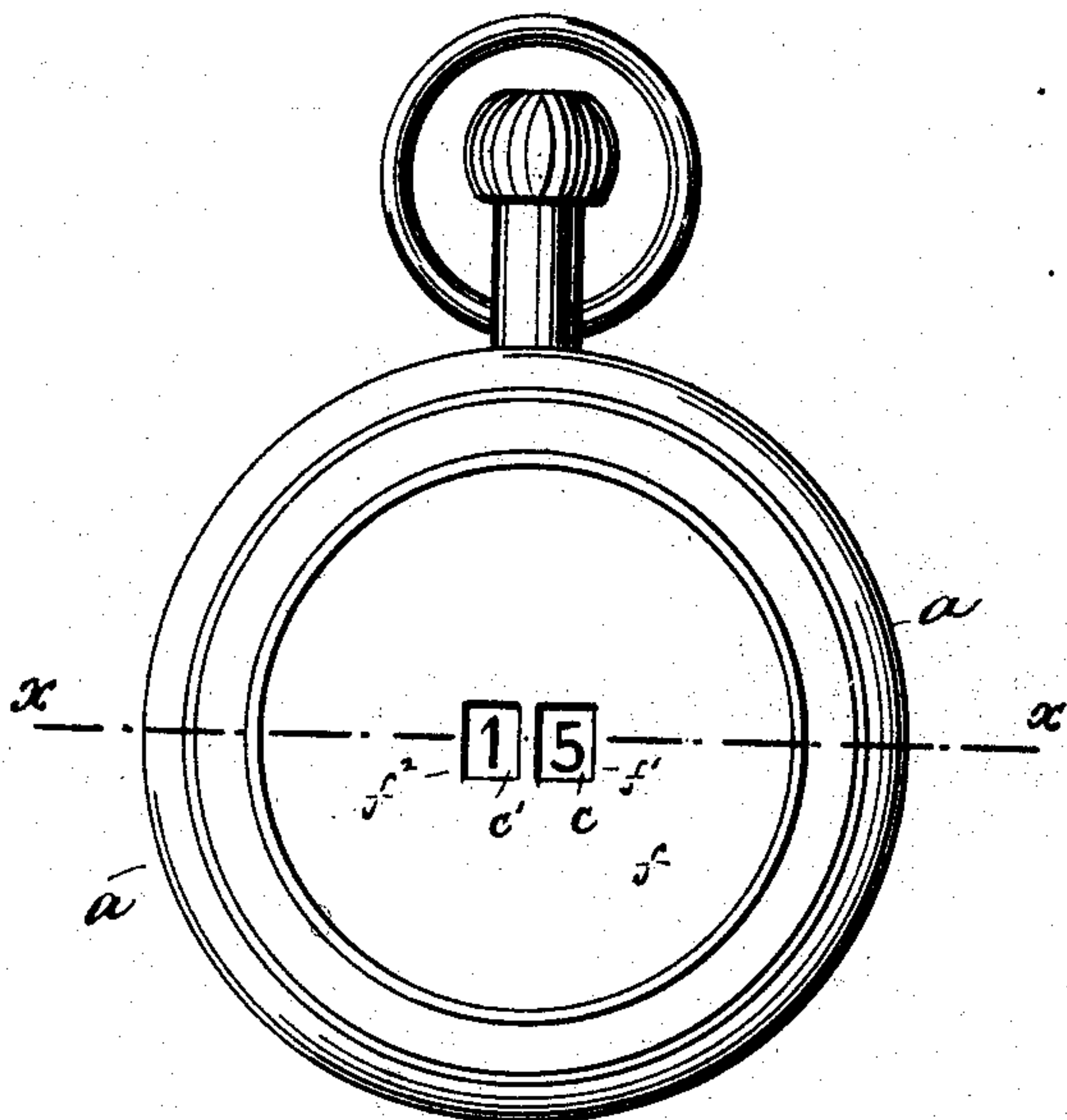


Fig. 2.

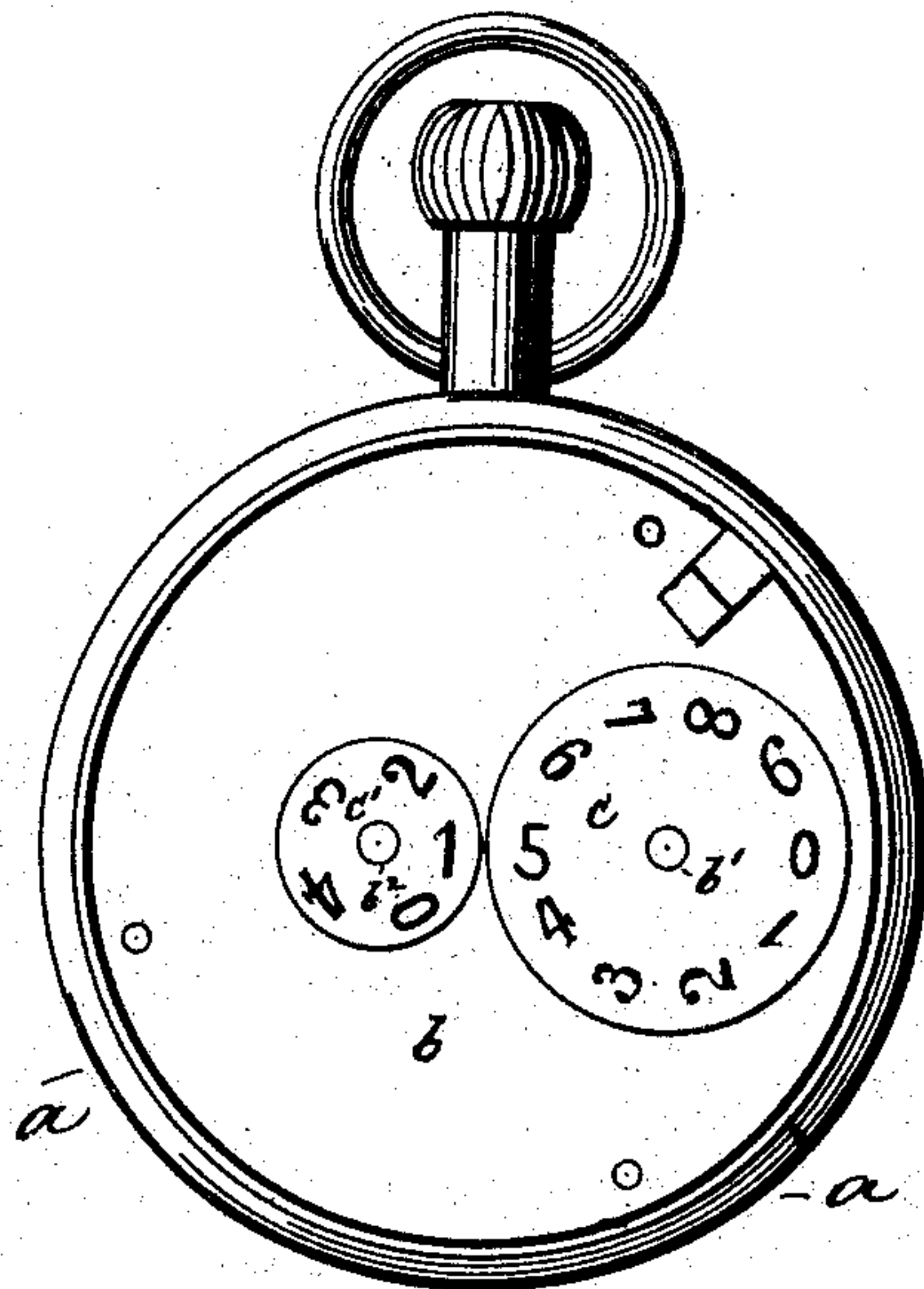


Fig. 3.

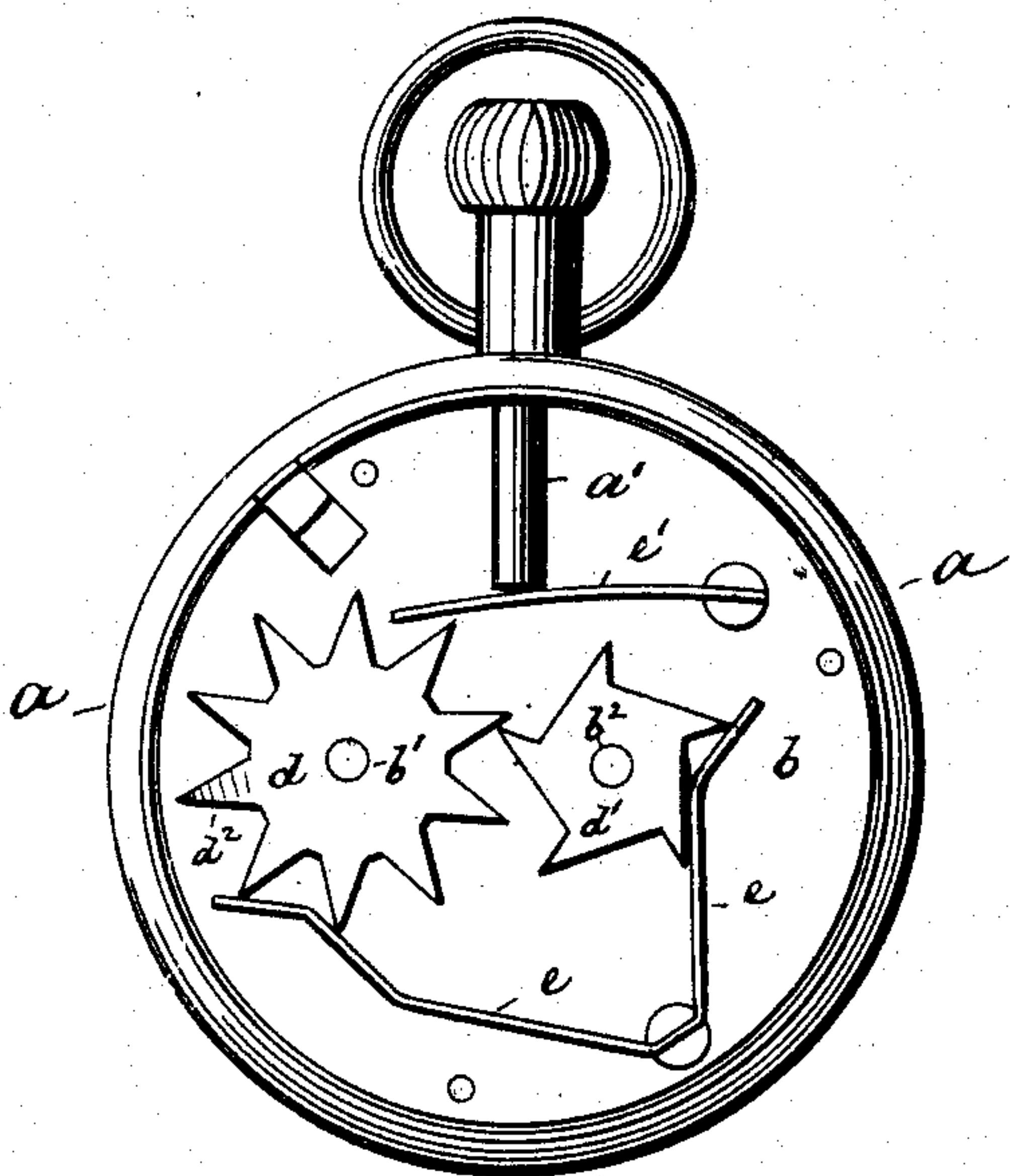
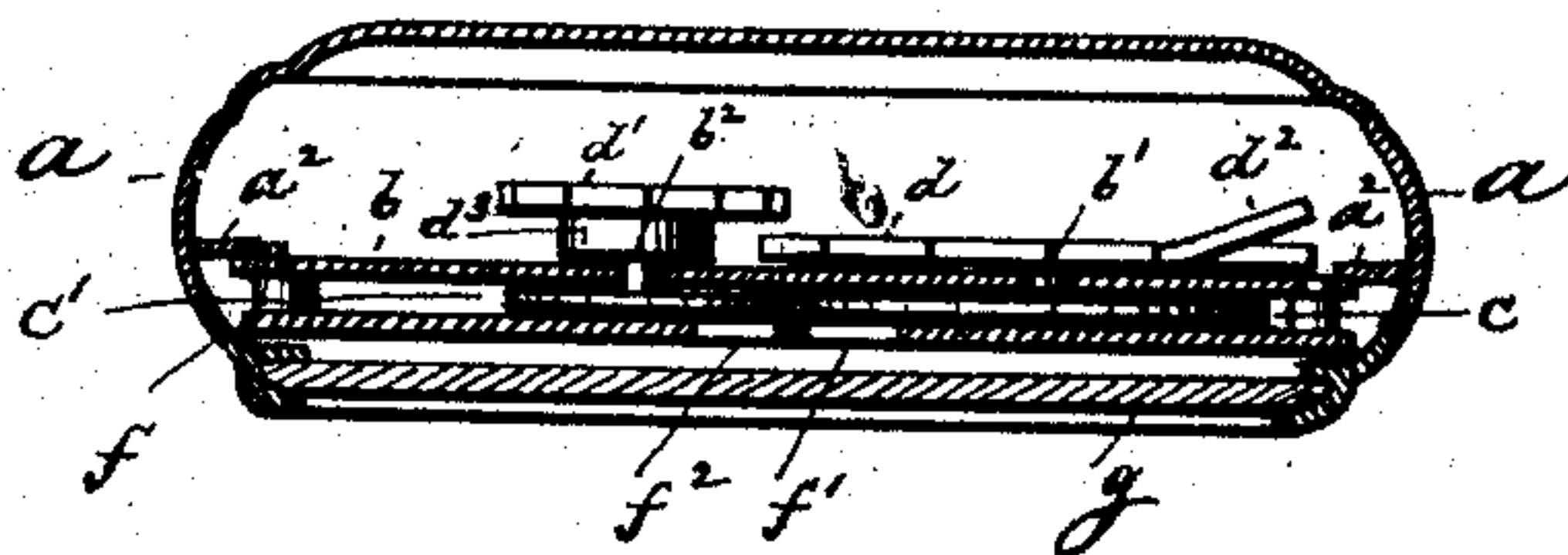


Fig. 4.



WITNESSES:

A. Schehl.
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UNITED STATES PATENT OFFICE.

MICHAEL J. NEUMANN, JR., OF NEW YORK, N. Y.

GAME-REGISTER.

SPECIFICATION forming part of Letters Patent No. 503,978, dated August 29, 1893.

Application filed April 11, 1893. Serial No. 469,962. (No model.)

To all whom it may concern:

Be it known that I, MICHAEL J. NEUMANN, Jr., of New York city, New York, have invented an Improved Game-Register, of which the following is a specification.

This invention relates to a register made in the form of a watch and adapted to register games of contest such as boxing rounds and the like.

In the accompanying drawings: Figure 1 is a face view of my improved game register; Fig. 2 a similar view with the face plate removed; Fig. 3 a rear view of the back plate *b*, and Fig. 4 a cross section on line *xx*, Fig. 1.

The letter *a*, represents a watch case provided with a stem *a'*, and with a shoulder *a²*. Against this shoulder there is placed the back plate *b*, through which extend two pivots *b'*, *b²*. These pivots carry at their front ends, the revolving dials *c*, *c'*, of which the dial *c*, indicates units and the dial *c'*, tens. At their rear ends, the pivots *b'*, *b²*, carry the star wheels *d*, *d'*, placed in different planes and of which the wheel *d*, has a rearwardly bent tooth *d²* that engages and moves the wheel *d'*, at each complete revolution of the wheel *d*. The wheels *d*, *d'*, are held in position by a spring *e*, while the wheel *d*, is operated by a spring pawl *e'*, which in turn is moved by the watch stem *a'*.

In front of the back plate *b*, there is placed the face plate *f*, provided with perforations *f'*, *f²*, to expose the two central numbers on the dials *c*, *c'*. The face plate is protected by the usual glass cover *g*. The pivots *b'*, *b²* have their bearings in the plate *b*, between the star wheels and the dials. In order to prevent longitudinal motion of pivot *b²* in plate *b*, and hold the wheel *d'* at its proper position back of wheel *d*, the pivot *b²*, is provided with a collar *d³*, between the star wheel *d'* and the plate *b*.

In use, the stem *a'*, is depressed at the end of each round, to advance the dial *c*, for the distance of one tooth and thus a count of the game can be readily kept.

What I claim is—

The combination of case *a* with inclosed perforated plate *b*, pivots *b'*, *b²*, passing through said plate, star wheels *d*, *d'*, and dials *c*, *c'*, secured to the pivots at opposite sides of the plate, a collar *d³*, between wheel *d'* and plate *b*, a face plate *f*, pawl *e'*, and stem *a'*, the wheel *d* having a rearwardly projecting tooth *d²*, to engage wheel *d'*, at each revolution, substantially as specified.

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Witnesses:

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