

(No Model.)

B. QUIETZSCH & C. R. GLASS.
BEER GLASS COUNTER OR GAME REGISTER.

No. 524,214.

Patented Aug. 7, 1894.

Fig. 1.

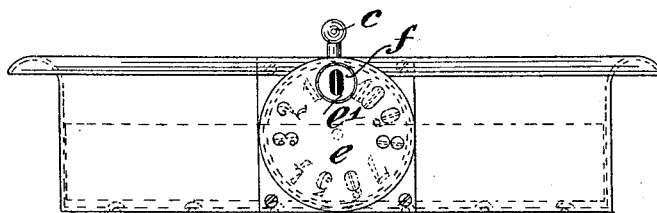


Fig. 2.

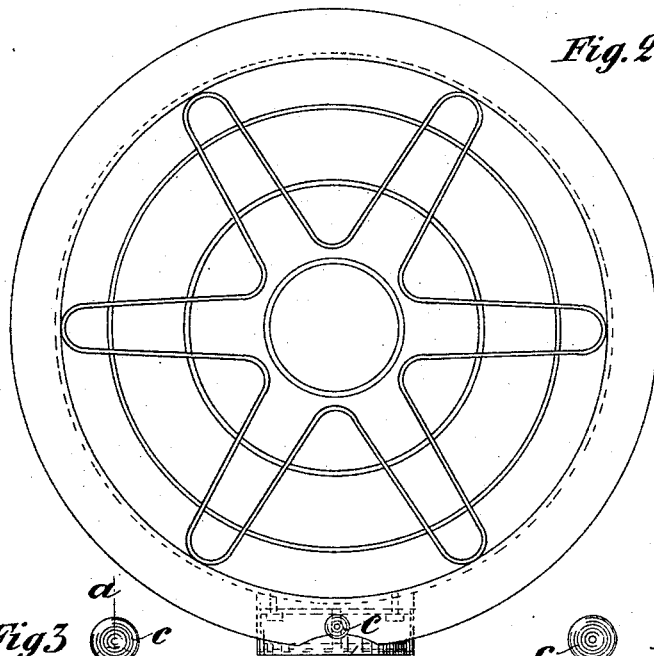


Fig. 3.

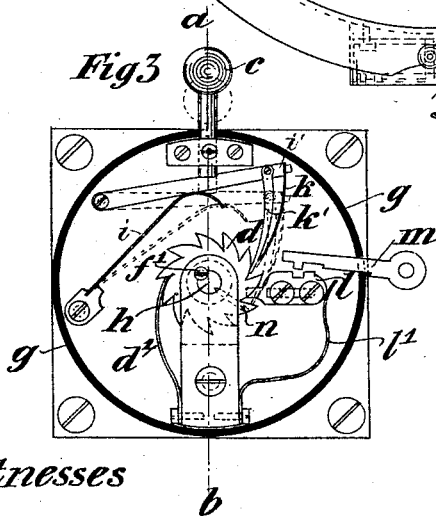
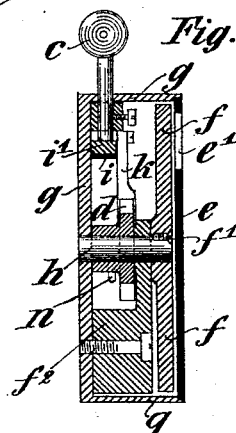


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

BRUNO QUIETZSCH AND CARL ROB. GLASS, OF CHEMNITZ, GERMANY.

BEER-GLASS COUNTER OR GAME-REGISTER.

SPECIFICATION forming part of Letters Patent No. 524,214, dated August 7, 1894.

Application filed October 25, 1893. Serial No. 489,118. (No model.)

To all whom it may concern:

Be it known that we, BRUNO QUIETZSCH and CARL ROBERT GLASS, subjects of the Kingdom of Saxony, residing at Chemnitz, in the Kingdom of Saxony, German Empire, have invented a certain new and useful Improved Beer-Glass Counter or Game-Register, of which the following is a full, clear, and exact description.

10 The present invention consists of a device for registering the number of glasses of beer placed successively on the tray or saucer used in restaurants, and the apparatus is designed to prevent mistakes occurring as to the number of glasses which may have been retailed to the respective parties.

The device consists of a plate arranged on the side of the said tray or saucer, said plate having an orifice through which the numbers denoting the various glasses of beer or other refreshment served, are successively visible, the disk being rotated by applying pressure to a button at the top; whereby the same is caused to move one number farther.

25 In order to make this specification more easily intelligible reference is had to the accompanying drawings in which similar letters denote similar parts throughout the several views.

30 Figure 1 is a side elevation of the tray or saucer with our device applied thereto; Fig. 2 a plan of Fig. 1; Fig. 3 an elevation of the device in detail with the front plate and disk removed and Fig. 4 a cross section on line *a* *b* in Fig. 3.

35 *g* is the casing attached in any suitable manner to the tray or saucer, and having the front plate *e* with orifice *e'*. Centrally in this casing is mounted a spindle *h* having keyed thereon by means of a screw *p'* the rotary disk *f* with figures (1 to 10 are shown in the drawings) which as the disk revolves appear successively at the orifice *e'* of the plate *e*. One end of the spindle *h* is advantageously mounted in the back plate of the casing *g* the opposite end being carried by a bearing piece *f''* screwed or otherwise secured to the said back plate (Fig. 4). Besides the disk *f* is also keyed to the spindle *h* a ratchet wheel *d* which

is rotated one tooth at a time by means of a 50 ratchet *k'* having spring *k* to sustain engagement with the wheel, said ratchet being pivoted to the end of an arm *i'* pivotally mounted at the back of the casing, said arm being normally held in its raised position by a spring 55 *i*, and being caused to rotate the wheel *d* one tooth, when depressed by means of a button *c* having a stem arranged to slide vertically in the casing *g*. A spring *d'* engages in the ratchet wheel and prevents the backward rotation of the same. The ratchet wheel *d* is further provided with a pin *n* or other stop, designed to contact with a horizontally sliding bolt *l* when the last figure of the disk has appeared at the orifice *e'* of the plate *e* and 65 thus prevent the disk from rotating further after it has completed one revolution. Said bolt is normally held in its forward position—*i. e.* in the path of the pin *n*—by means of a spring *l'*, and before the disk can com- 70 mence to register from 1 to 10 again, the bolt must be withdrawn by means of a key such as *m* (Fig. 3) which may be inserted at the side of the casing and engaging in a notch on the top of the bolt cause the same to with- 75 draw and thus release the disk for further registry.

The apparatus works in the following manner:—When a glass of beer is placed upon the mat, tray or saucer, the consumer need 80 only depress the button *c* which causes the number "1" to appear at the orifice *e'*, on receiving a second glass the button must be again depressed and number 2 will appear. In this manner the number of glasses served 85 may be accurately and reliably registered, as the consumer cannot tamper with the apparatus unless he possesses a key to the same, otherwise the disk will show up to number 9 and then stop. 90

We claim as our invention—

In a counter consisting of a casing having an aperture *e'*, a dial *f* mounted behind said aperture as specified, a ratchet wheel *d* fast on the dial spindle and having check ratchet 95 spring *d'*, a ratchet arm *i'* carrying ratchet *k'* depressible by means of button *c* extending upwardly out of the casing, a spring *i* to nor-

mally hold said button and ratchet *k'* up, a
pin *n* projecting laterally from the ratchet
wheel boss and a horizontally sliding spring
pressed bolt *l* mounted in the casing and
5 having its end normally held in the path of
said pin *n* substantially as described and
shown.

In witness whereof we have hereunto set

our hands in presence of two subscribing wit-
nesses.

BRUNO QUIETZSCH.
CARL ROB. GLASS.

Witnesses:

CHAS. E. BARNES,
R. E. JAHN.