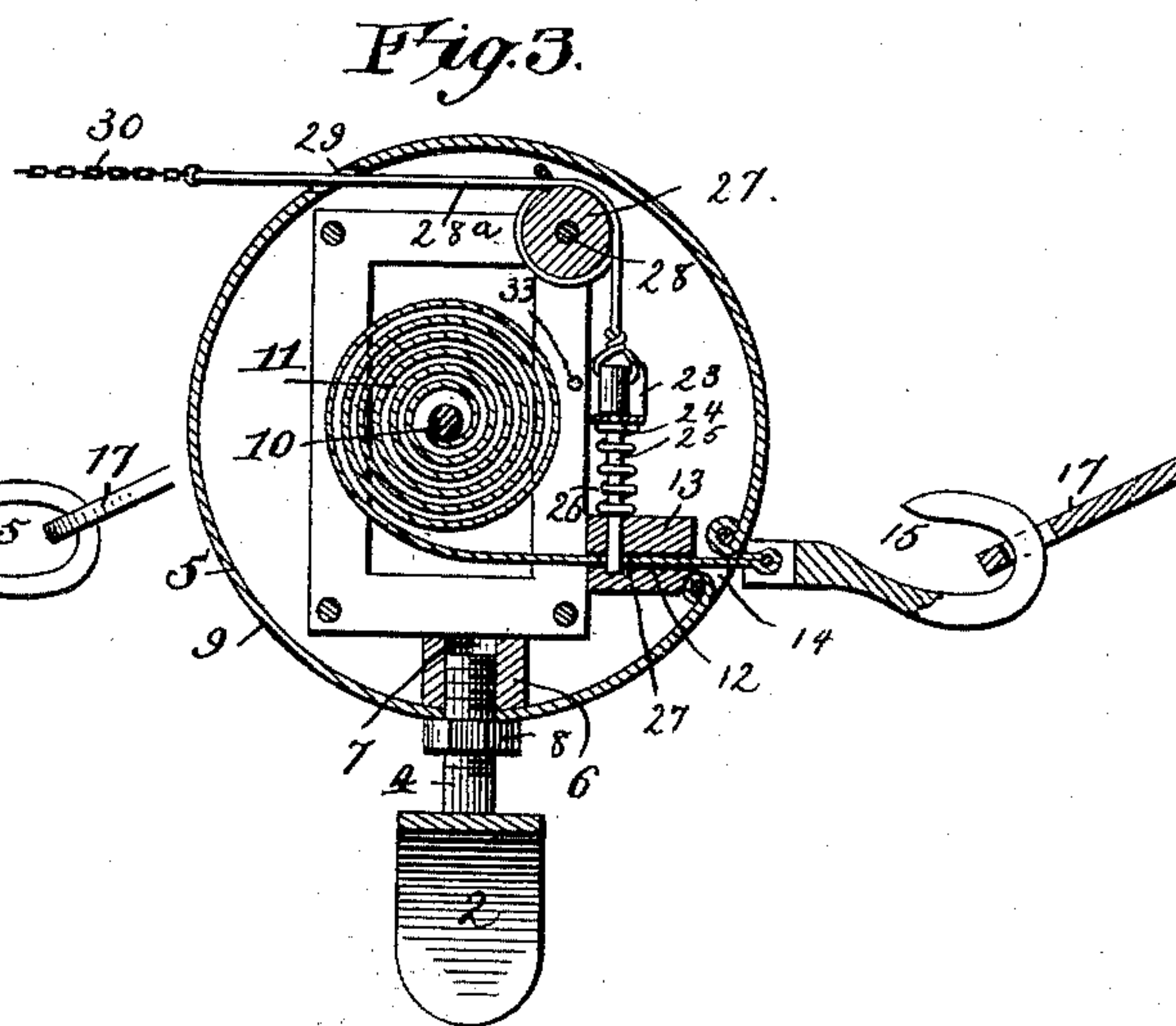
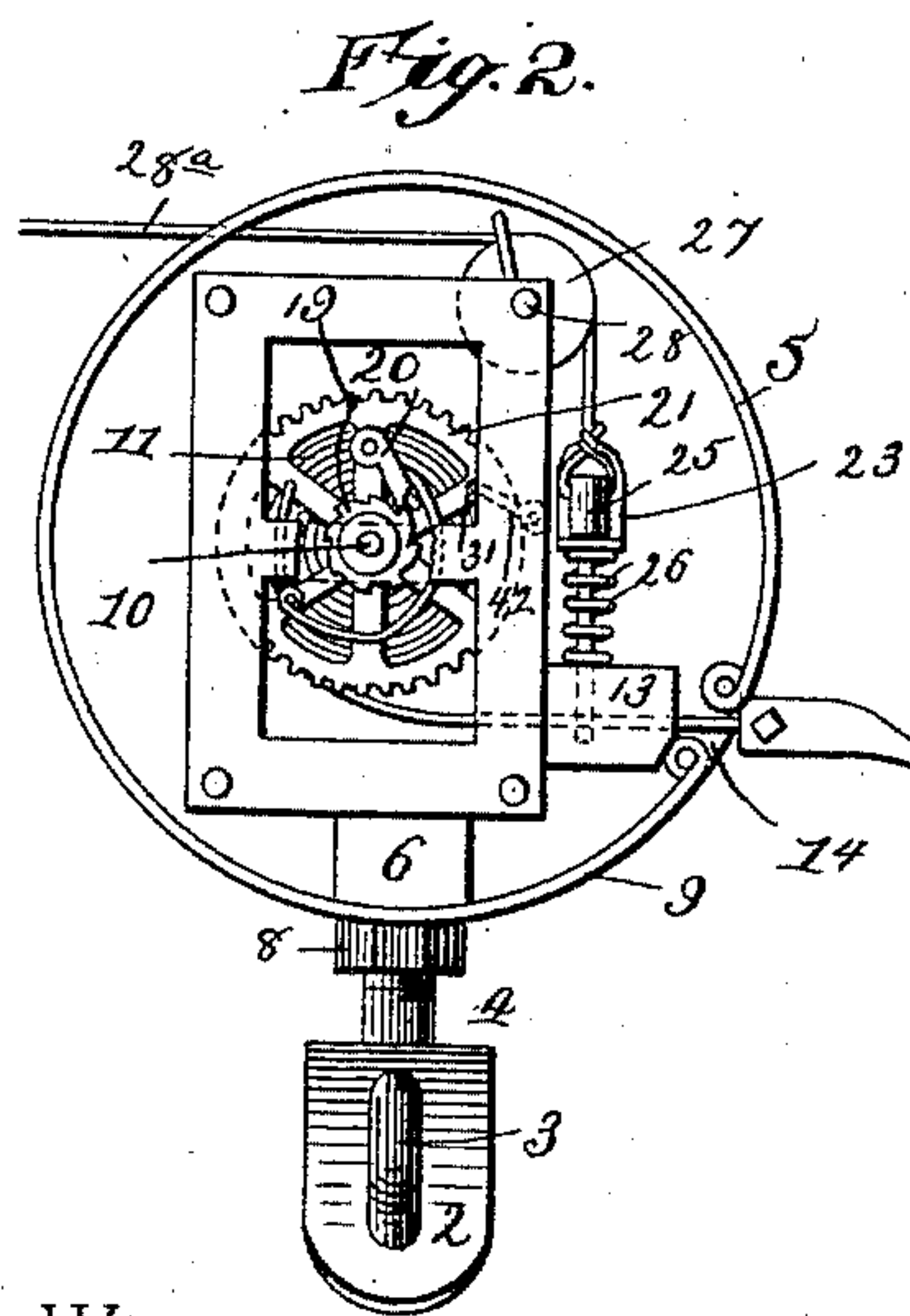
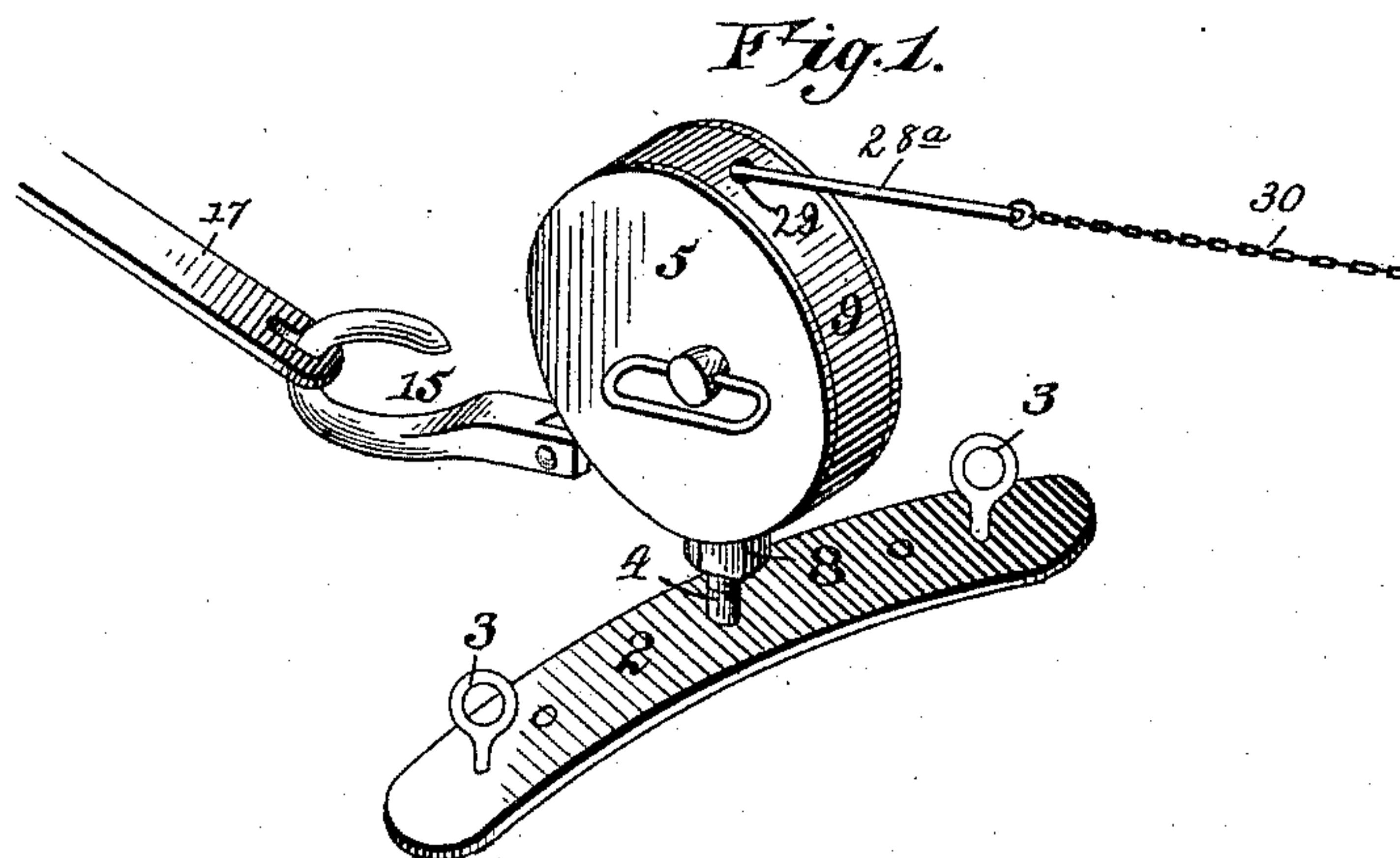


(No Model.)

M. F. GLYNN.
CHECKING AND UNCHECKING DEVICE.

No. 445,888.

Patented Feb. 3, 1891.



Witnesses:
H. G. Dieterich,

H. S. Duwall

Inventor
Michael F. Glynn.

By *his* Attorneys,

C. A. Snow & Co.

UNITED STATES PATENT OFFICE.

MICHAEL F. GLYNN, OF ASHLEY, PENNSYLVANIA.

CHECKING AND UNCHECKING DEVICE.

SPECIFICATION forming part of Letters Patent No. 445,888, dated February 3, 1891.

Application filed September 17, 1890. Serial No. 365,227. (No model.)

To all whom it may concern:

Be it known that I, MICHAEL F. GLYNN, a citizen of the United States, residing at Ashley, in the county of Luzerne and State of Pennsylvania, have invented a new and useful Checkrein-Guide, of which the following is a specification.

This invention has relation to a take-up for checkreins, the objects in view being to provide a spring-actuated take-up for connecting thereto the checkreins of horses and means for liberating the take-up from the seat of the carriage, whereby the animal may be given his head while in the act of drinking and rechecked after drinking.

Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be particularly pointed out in the claims.

Referring to the drawings, Figure 1 is a perspective of a take-up constructed in accordance with my invention, the same being applied to a harness-saddle. Fig. 2 is a side elevation, one wall of the casing being removed. Fig. 3 is a circumferential section.

Like numerals indicate like parts in all the figures of the drawings.

To an ordinary harness-saddle is riveted or otherwise secured a curved metal plate 2, provided near its ends with rein-supporting rings or terrets 3. At the middle of the plate is located an upwardly-disposed threaded stud 4, upon which is mounted a flat circular case 5, formed of light metal and provided upon the inner side of its rim with a metal block 6, having a threaded opening 7 for the reception of the stud, and below said casing upon the stud is located a jam-nut 8, whereby said casing may be jammed into position. Secured within the casing is a metal frame 9, in which is journaled a winding-shaft 10, to one end of which is connected a coiled spring 11, said spring after being wound loosely upon the shaft being passed through a transverse slot 12, formed in a block 13 and out to an opening 14, formed in the periphery or rim of the casing, beyond which it is connected to a check-hook 15, designed to engage the rear or looped end of a checkrein 17. One end of the winding-shaft extends outside of the casing, and is there provided with a swiveled lug, by which the shaft may be rotated.

A ratchet-wheel 19 is secured upon the shaft, and a pawl 20 spring-pressed into engagement therewith, said pawl also being mounted upon a disk or wheel 21, located upon the shaft.

Above the slotted block there is located a perforated bracket 23, the perforation of which is vertically opposite a perforation 24 formed in said block and at a right angle to the slot in said block. In the perforation in the bracket and the block is mounted for reciprocation a bolt 25, encircling which, between the block and bracket, is a coiled spring 26. The inner end of the bolt is adapted to take into the perforation 27, formed in the coiled spring, when said spring is partially uncoiled upon the shaft, and thus lock the spring against withdrawal from the casing. A pulley 27 is journaled upon the shaft 28 in the frame of the casing, said pulley having its periphery grooved, and over the same runs a flexible wire 28^a, the inner end of which is connected to the before-mentioned reciprocating bolt, and the outer end of which passes through an opening 29, formed in the rear side of the casing, and is connected to a light chain or spring 30, leading to the dash-board of the vehicle, where it is secured. The wheel or disk upon the winding-shaft is provided with a perforation 31, and in the same takes a locking-finger 42, secured on the end of a shaft or stud 33, whereby said shaft is normally maintained rigid.

The operation of the device will be readily understood from the foregoing description, and may be briefly stated as follows: When it is desirable to give the horse his head for the purpose of drinking, the chain or cord is drawn upon and the bolt withdrawn from the perforation in the free end of the coiled spring and the horse permitted to lower his head, the spring tightening upon the shaft when in the act. After drinking, the horse's head is raised by drawing upon the reins, and the slack of the checkrein taken up by the spring unwinding upon the shaft, and when the perforation in said spring arrives opposite the bolt the latter is shot through the perforation, and the checking up of the horse's head completed.

It is apparent that the herein-described device may be applied to any of the ordinary har-

ness-saddles now in use, in lieu of the usual rigid hook, which latter, it will be understood, is removed for the purpose of the application. When thus applied persons need not step to the ground for the purpose of checking and unchecking.

Having described my invention, what I claim is—

1. The combination, with a casing adapted to be mounted upon a harness-saddle, of a shaft mounted in the casing, a spring-ribbon wound upon the shaft having one end secured thereto and the opposite end extending through a slot in the casing, a slotted block located in front of the slot for the passage of the spring, a perforated bracket located opposite a perforation formed in the block and in the ribbon, a bolt mounted for reciprocation in the perforations, a spring encircling the same between the block and bracket, a pulley, a cord passed over the pulley, secured at its inner end to the bolt and having its opposite end passed through the casing to the dash of the vehicle, and a checkrein-engaging hook loosely connected to the free end of the ribbon-spring, substantially as specified.

2. The combination, with a casing adapted to be mounted upon a harness-saddle, of a

metal frame located in the casing, a winding-shaft journaled in the frame and having one end extending through the casing, a ribbon-spring coiled upon the shaft, secured at one end thereto, a block slotted to receive the opposite end of the spring, which latter is passed through an opening formed in the rear side of the casing and provided with perforations opposite the block, a disk mounted on the shaft, a ratchet mounted on the shaft, a spring-pressed pawl engaging the ratchet, a perforated bracket located opposite a perforation formed in the box, a bolt mounted in the perforations, a spring coiled about the bolt between the perforations, a pulley located in the frame beyond the outer end of the bolt, and a cord or chain connected to said end, passed over the pulley through the casing, and terminating in the vehicle, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

MICHAEL F. GLYNN.

Witnesses:

JOS. RETTEMEYER,
THOMAS LYNCH.