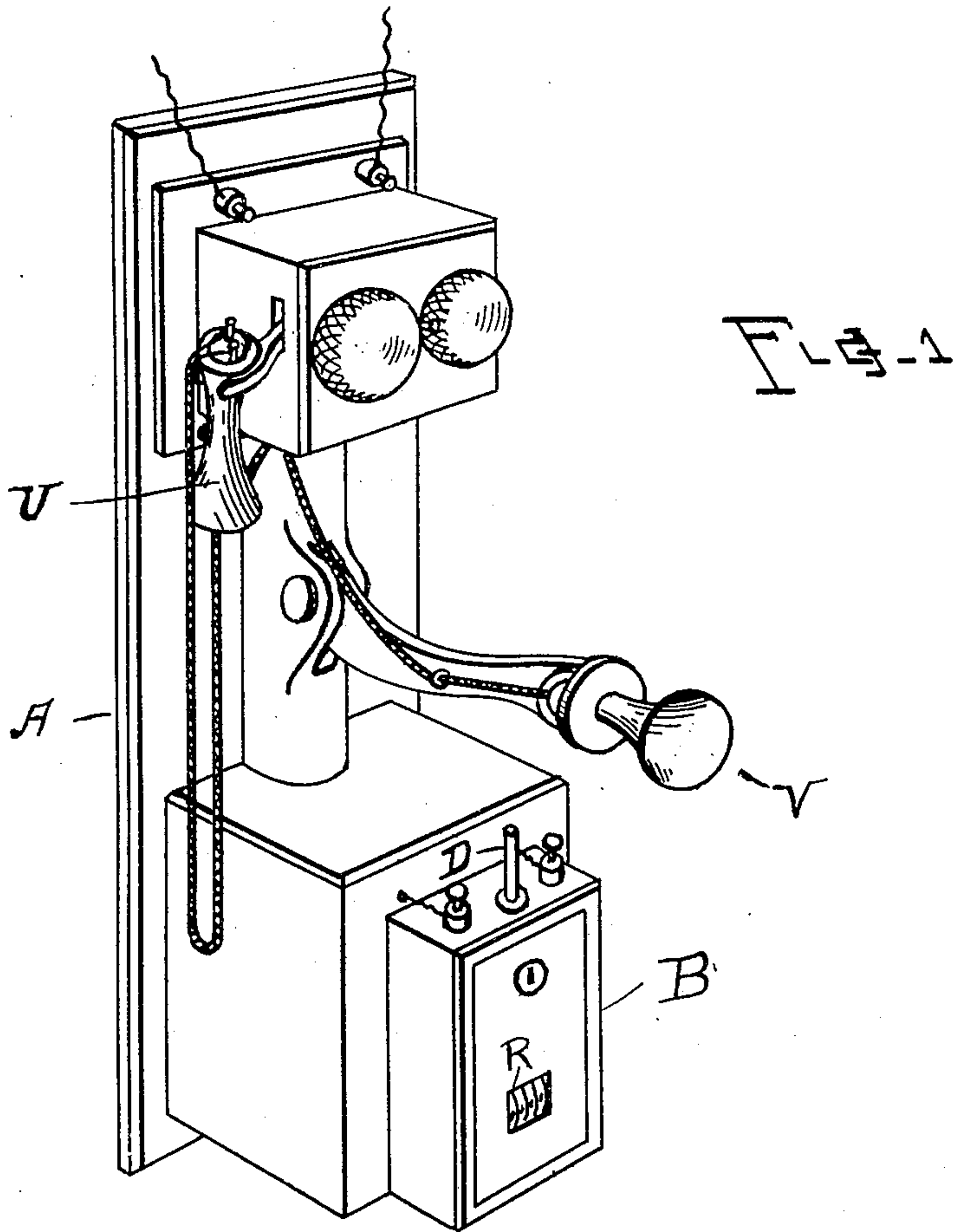


W. O. WEISSICH.  
REGISTER FOR TELEPHONES.  
APPLICATION FILED DEC. 29, 1906.

919,662.

Patented Apr. 27, 1909.  
3 SHEETS—SHEET 1.



Witnesses

Maurice J. Gimelli  
Chas. E. Morry

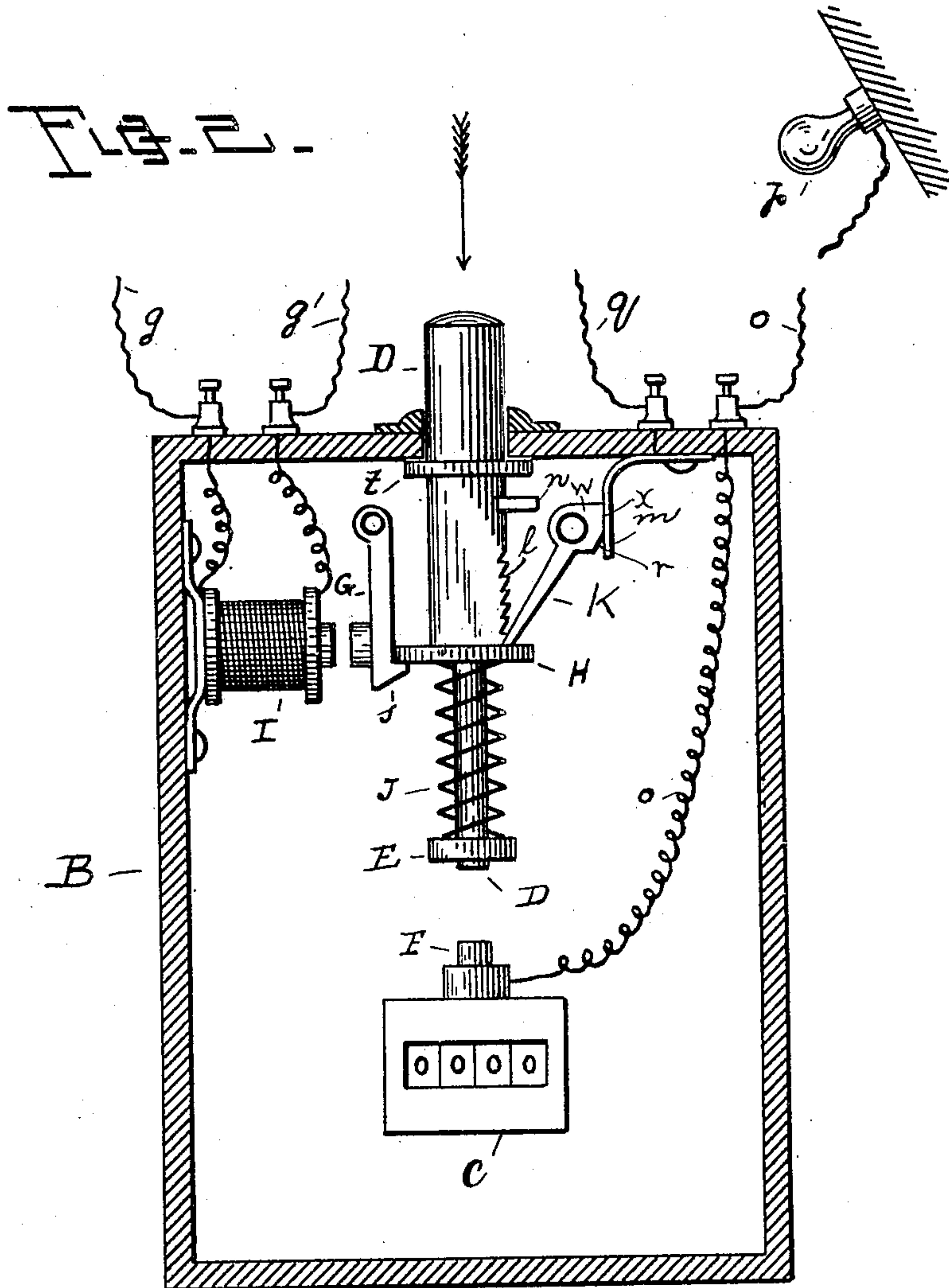
Inventor  
William O. Weissich  
Per A. S. Paré  
Attorney

W. O. WEISSICH.  
REGISTER FOR TELEPHONES.  
APPLICATION FILED DEC. 29, 1906.

919,662.

Patented Apr. 27, 1909.

3 SHEETS—SHEET 2.



Witnesses

Maurice J. Gimelli  
Chas. E. Morry

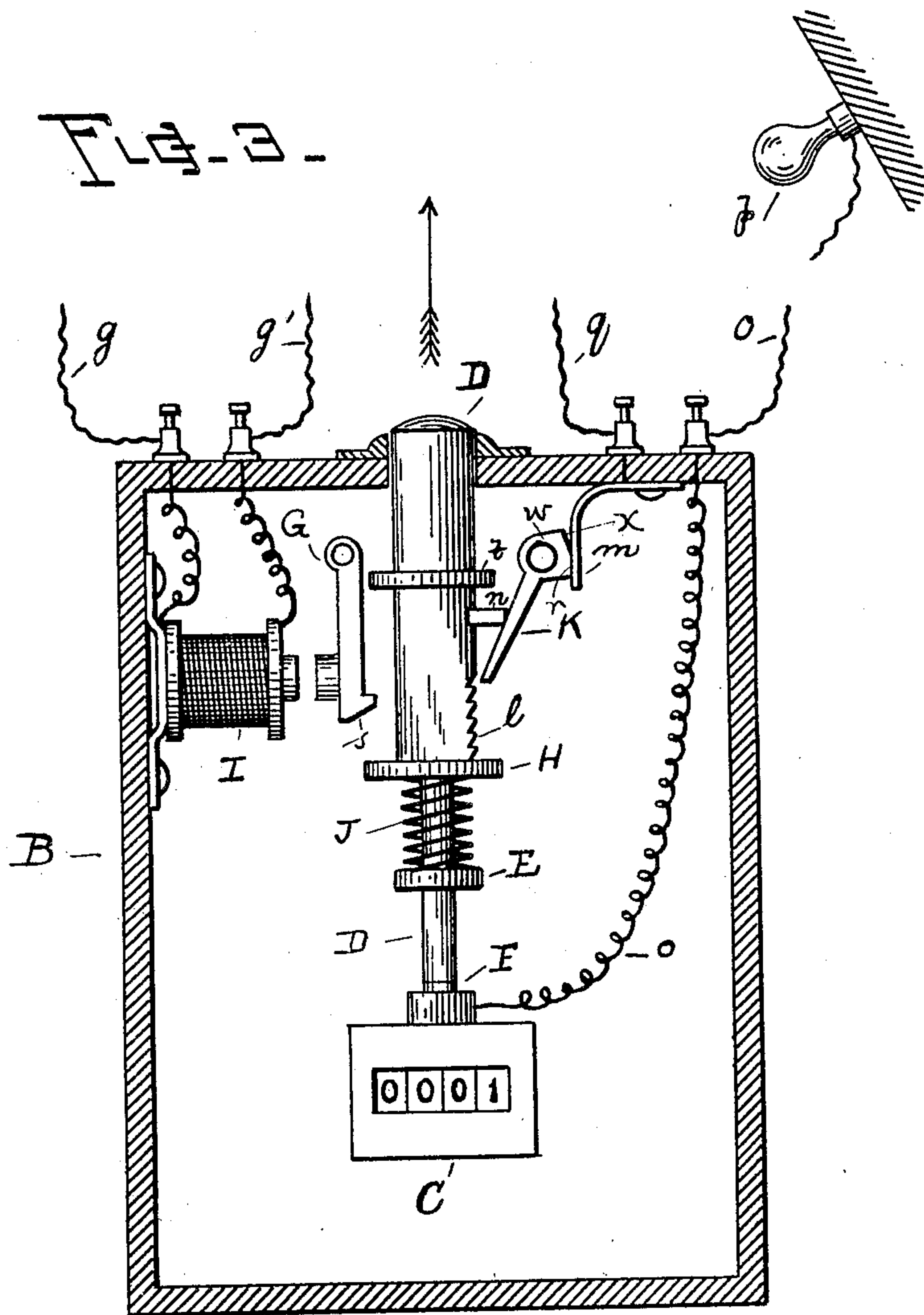
Inventor

William O. Weissich  
Per A. S. Paré  
Attorney

W. O. WEISSICH.  
REGISTER FOR TELEPHONES.  
APPLICATION FILED DEC. 29, 1906.

919,662.

Patented Apr. 27, 1909.  
3 SHEETS—SHEET 3.



Witnesses

Maurice J. Gemelli  
Chas. E. Morrey

Inventor

William O. Weissich  
per A. S. Paré  
Attorney



# UNITED STATES PATENT OFFICE.

WILLIAM OTTO WEISSICH, OF SAN FRANCISCO, CALIFORNIA.

## REGISTER FOR TELEPHONES.

No. 919,662.

Specification of Letters Patent.

Patented April 27, 1909.

Application filed December 29, 1906. Serial No. 350,041.

*To all whom it may concern:*

Be it known that I, WILLIAM OTTO WEISSICH, a citizen of the United States, residing in the city and county of San Francisco, in the State of California, have invented a new and useful Register for Telephones, of which the following is a specification.

My invention is designed for the purpose of registering telephone calls, and, more particularly, for registering them in such a manner as to provide an accurate record, at all times, of the tolls due from any given station. Thus, the necessity for depositing a coin in the slot may be obviated.

The object of my invention is to provide a device of the above nature which shall be accurate and reliable, and at the same time, simple and efficient.

In order that my invention may be readily understood, reference is had to the accompanying drawings, forming part of this specification, and in which—

Figure 1 is a perspective view of a telephone box equipped with my invention. Fig. 2 is a front elevation on an enlarged scale, of the registering mechanism, the casing being in section. Fig. 3 is a similar view, showing the parts in a different position.

Referring to the drawings in detail, A represents a telephone wall set of any usual or desired construction. To any convenient part of this instrument is attached a casing B, containing the registering mechanism. This mechanism comprises a registering device or counter, C, mounted in the lower part of the casing, and which may be of any ordinary or desired construction, as it forms no part of the present invention.

Mounted above the registering device is a plunger D, arranged to reciprocate vertically, and having its upper end projecting through the top of the casing. This plunger comprises an upper portion, provided with a collar *t*, and lug *n*, and terminating at its lower end in an annular flange H, and a lower portion or shank, depending below this flange H, and passing through a fixed guide E, secured to the casing. A coil spring J, surrounds the shank, and, bearing between the guide E and flange H, normally holds the plunger in its upmost position, as shown in Fig. 2.

A magnet I, is mounted in the casing, and is connected, by means of wires *g*, *g'* with the central office. An armature, G, is pivoted adjacent the magnet, and formed at its lower end with a hook, *s*, arranged to normally co-

operate with the flange H, and thus lock the plunger in its upper position.

The plunger D is formed on one side with a series of notches, or ratchet teeth, *l*, and arranged to cooperate therewith is a pivoted pawl K. This pawl is provided, adjacent its pivot with a specially formed head, *w*, formed with two faces, *r*, *x*, disposed at an obtuse angle with each other. A leaf spring *m*, is secured to the casing, and bears against this head, resting, as shown in Fig. 2, sometimes against face *x*, and, as shown in Fig. 3, sometimes against face *r*. When in the position shown in Fig. 2, the pawl is held resiliently so as to engage the ratchet teeth, and when in the position shown in Fig. 3, the pawl is held away from the teeth. The spring *m*, connects with a binding post on the casing, and a second binding post connects by means of a wire *o*, with the frame of the registering device C. A circuit, *o*, *g*, connects these binding posts with a signal *p*, such as a lamp, at the central office. An operating button F, for the registering device C, is located directly below the plunger D.

The operation of my invention is as follows: A party wishing to make a call, calls up the central office in the usual manner. The operator, then, instead of requesting the party calling to deposit a coin, requests him to depress the plunger and thereby operate the registering device. At the same time, the operator closes the circuit *g*, *g'*, and energizes magnet I, thereby withdrawing hook, *s*, and permitting the plunger to be depressed. Thus it will be seen that the registering device cannot be operated except by permission of the central. When the plunger is depressed, its lower end contacts with button F, thus actuating the registering device, and recording the fact that a call has been made. At the same time, the circuit *o*, *g*, is closed at F, and the operator is thus advised of the fact that the register has been actuated. Obviously, the operator will not make the desired connection until the signal *p*, gives its indication that the register has been actuated. The register may be read by the party calling, by means of the opening R, formed in the casing B. The ratchet teeth *l* and pawl K, prevent incomplete actuation of the plunger. The pawl catches, in each succeeding tooth, as the plunger is depressed, and prevents a return stroke, until the end of the down stroke is reached,



when the lug *n* throws the pawl K to the position shown in Fig. 3, thus disengaging it from the teeth, and permitting the return of the plunger. Near the end of the return stroke, the end of the pawl is engaged by the flange H as shown in Fig. 2, and moved into operative position for the next stroke.

It will thus be seen that I have provided a very simple, reliable, and convenient device for the purpose described, and it is thought the numerous advantages of my invention will be readily appreciated by those skilled in the art.

What I claim is:—

1. A registering attachment for telephones comprising a local registering device, a plunger operated by the subscriber for positively actuating the same, a lock normally preventing any movement whatever of the plunger in a direction to actuate the registering device, and a magnet for releasing said lock, said magnet being in a circuit controlled wholly by the central operator.

2. A registering attachment for telephones comprising a registering device, a spring pressed plunger for positively actuating the same, a latch normally engaging and locking said plunger against movement in a direction to actuate said registering device, an electromagnet in coöperative relation with said latch, and a circuit for said electromagnet controlled from the central office.

3. In an apparatus for registering telephone calls, a registering device at the subscriber's station, local means for actuating the same, means controlled wholly from the central station for preventing any movement whatever of such actuating means when desired, and a signal device located at the central station for indicating to the operator that an actuation has occurred.

4. In an apparatus for registering telephone calls, a registering device, a recipro-

cating member for actuating the same, means for normally locking said member, two circuits, one of which when closed, releases said member, and the other of which the said member closes when actuated, and a signal in said last-named circuit.

5. A registering attachment for telephones comprising a registering device, a reciprocating member under the control of the central operator for actuating the same, a circuit extending to the central office and adapted to be closed by complete actuation of said member, and means compelling each actuation of said member to be complete, before another actuation can occur.

6. A registering attachment for telephones comprising a casing, a registering device and a spring-retracted plunger under the control of the central operator for actuating the same mounted within the casing, a circuit extending to the central office and adapted to be closed by a complete stroke of said plunger, and means for preventing retraction of said plunger upon any incomplete stroke thereof.

7. A registering attachment for telephones, comprising a registering device located at the subscriber's station, a reciprocating member for positively actuating the same, a latch normally locking said member against any movement whatever, means wholly under the control of the central operator for withdrawing said latch, and an electric signal device at the central office, the circuit of which is controlled by said reciprocating member.

Signed in the city and county of San Francisco, State of California, in the presence of two witnesses, this 30th day of October 1906.

WILLIAM OTTO WEISSICH.

Witnesses:

F. W. LAWLER,  
A. S. PARÉ.