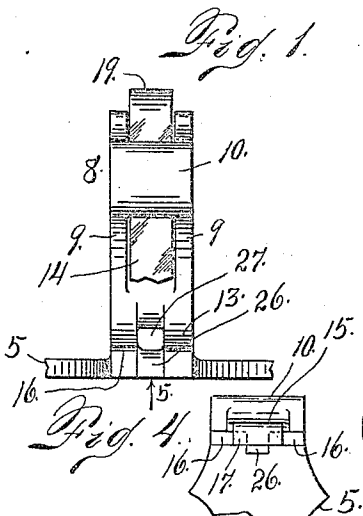
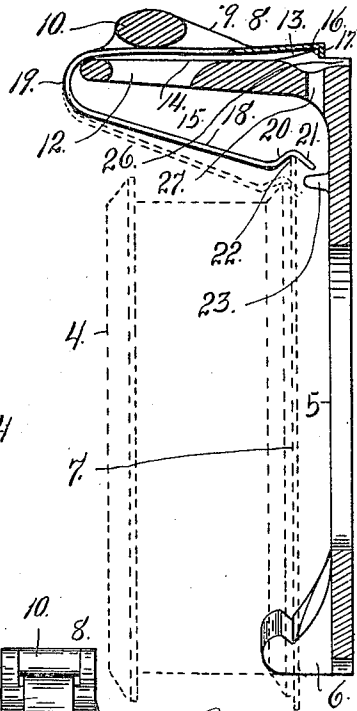
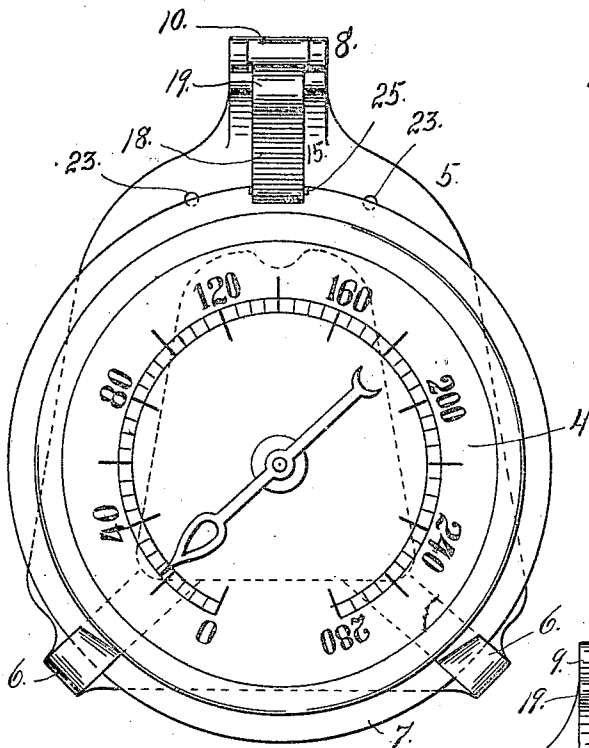


G. E. BAILIE.
PRESSURE GAGE HOLDER.
APPLICATION FILED JULY 8, 1912.

1,065,334.

Patented June 24, 1913.



Witnesses
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UNITED STATES PATENT OFFICE.

GEORGE E. BAILIE, OF DENVER, COLORADO.

PRESSURE-GAGE HOLDER.

1,065,334.

Specification of Letters Patent.

Patented June 24, 1913.

Application filed July 8, 1912. Serial No. 708,175.

To all whom it may concern:

Be it known that I, GEORGE E. BAILIE, citizen of the United States, residing at Denver, in the city and county of Denver and State of Colorado, have invented certain new and useful Improvements in Pressure-Gage Holders; and I do 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 appertains to make and use the same, reference being had to the accompanying drawings, and to the characters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in pressure gage holders of the character set forth in my previous applications, Serial Nos. 637,684 and 687,916, filed July 10, 1911, and April 1, 1912, respectively.

My present invention may be considered an improvement on the constructions covered by the foregoing applications, and consists of a plate provided with rigid clips at its lower extremity, and a spring clip at its upper extremity, the said spring clip being detachably mounted upon an arm with which the plate, or body, of the device, is equipped, the said arm being located at the upper extremity of the plate and projecting forwardly therefrom. This forwardly projecting arm is slotted to receive the upper member of the removable spring clip, the said member, when inserted in the slot, being securely held since it is placed under tension as it is inserted in the slot by virtue of the special construction of the arm, the rear extremity of the upper arm of the spring clip being hook-shaped to engage an offset at the rear extremity of the arm. The lower member of the spring clip is adapted to be placed under tension by the insertion of the gage, the rim of the latter being also engaged by the rigid lower clips.

Having thus briefly outlined my improved construction, I will proceed to describe the same in detail, reference being made to the accompanying drawing, in which is illustrated an embodiment thereof.

In this drawing: Figure 1 is a front view of my improvement with a pressure gage in place. Fig. 2 is a side view of the same, with the gage holder shown in section, the gage being indicated by dotted lines. Fig. 3 is a front view in detail of the pressure

gage holder. Fig. 4 is a fragmentary top view of the same. Fig. 5 is a fragmentary rear view looking in the direction of the arrow 5, Fig. 4.

The same reference characters indicate the same parts in all the views.

Let the numeral 5 designate the body of the pressure gage holder, the same consisting of a plate equipped at its lower opposite corners with rigid clips 6 adapted to receive the arm 7 of a gage 4. The upper part of the body of the holder is provided with a forwardly projecting arm 8 in which is formed a recess 9, the arm being also provided with a web 10 extending transversely above the forward part of the recess, this web being directly above an opening 12 extending entirely through the arm and in communication with the recess. The rear extremity of the arm in the rear of the web 10 is inclined upwardly as shown at 13, to place the upper member 14 of the spring clip 15 under tension as the member 14 is inserted in the arm from in front. The rear extremity of the arm is provided with an offset 16 adapted to engage a hook 17 formed on the rear extremity of the upper member of the spring clip. The lower member 18 of this clip extends rearwardly and is downwardly inclined from the bend 19 at the forward end of the clip. The rear extremity of the member 18 is bent upwardly as shown at 20 and then downwardly as shown at 21 to form a V-shaped recess 22 which the rim of the gage enters when the gage is in place.

From the foregoing description my improved construction, as well as its use, will be readily understood.

The spring clip 15 is, of course, manufactured separately from the body of the gage holder, the said clip consisting, preferably, of spring steel. In applying the spring clip to the body of the device, the upper member 14 is inserted in the recess 9 from in front, the said member being crowded rearwardly beneath the web 10, its rear extremity traveling up the incline 13 until its hooked end 17 springs downwardly into engagement with the offset 16 at the rear extremity of the arm. When the pressure gage holder is thus assembled, the gage is applied thereto by first dropping the rim of the gage into the stationary clips 6, and then crowding the upper part of the gage

rearwardly. In so doing, the upper part of the rim of the gage will come in contact with the lower arm 18 of the spring clip and raise the latter until the rim of the
5 gage reaches the V-shaped recess 22, in which event the spring clip will act upon the rim of the gage and cooperate with the rigid clips to hold the gage securely in place.

10 When it is desired to remove the gage from its holder, a suitable tool, as a screw-driver, may be inserted between the rear extremity of the member 18 and a stationary lug 23, formed on the body of the holder in
15 suitable proximity to the spring clip. Then by using the lug 23 as a fulcrum the rear extremity of the member 18 of the spring clip may be raised to release the gage. For convenience, the body of the gage holder is
20 provided with two of these lugs so that the lower arm of the spring clip may be lifted from either side to release the gage.

In order to prevent the gage from turning on the holder, the upper portion of the rim
25 of the gage is provided with a shallow recess 25 which the rear extremity of the member 18 of the clip is adapted to enter when the gage is in place.

In order to facilitate the removal of the
30 spring clip from the arm 8, this arm is recessed at its rear extremity as shown at 26, and this recess communicates with an opening 27 extending downwardly through the arm. The recess 26 permits the insertion of
35 an instrument, as a screw driver, to a position beneath the hook 17 of the clip, whereby the hook may be lifted to cause it to engage the offset 16. Then as the screw
40 driver is moved forwardly in the direction of a vertical position, its upper extremity will enter the opening 27, thus making it practicable, after disengaging the hook of the spring from the offset, to force the arm
14 of the spring forwardly, whereby the

latter is loosened sufficiently to be easily re- 45 moved from the arm.

Having thus described my invention, what I claim is:

1. A gage holder comprising a body member having an arm projecting forwardly 50 from the upper part thereof, and a spring clip composed of upper and lower spring members, the spring clip detachably applied to the arm, the latter being open to receive the upper member of the clip and provided 55 with an offset at its rear extremity, the arm-engaging member of the clip having a hook at its rear end to engage the offset of the arm, the body member of the holder being equipped with means cooperating with the
60 spring clip for gage-holding purposes, substantially as described.

2. A gage holder comprising a body member having a forwardly projecting arm located at its upper extremity, and a spring 65 clip detachably applied to said arm, the clip being composed of upper and lower spring members connected by a bend at the forward extremity of the clip, the arm having an opening adapted to receive the upper mem- 70 ber of the clip when inserted from in front, the rear portion of the arm being upwardly inclined and provided at the rear extremity of its inclined part with an offset and the arm-engaging portion of the clip having a 75 hook at its rear extremity adapted to engage said offset, the arm being recessed at its rear extremity to permit the insertion of an instrument to disengage the hooked end of the clip from the offset, substantially as 80 described.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE E. BAILIE.

Witnesses:

A. J. O'BRIEN,
MAY CLEMENTS.