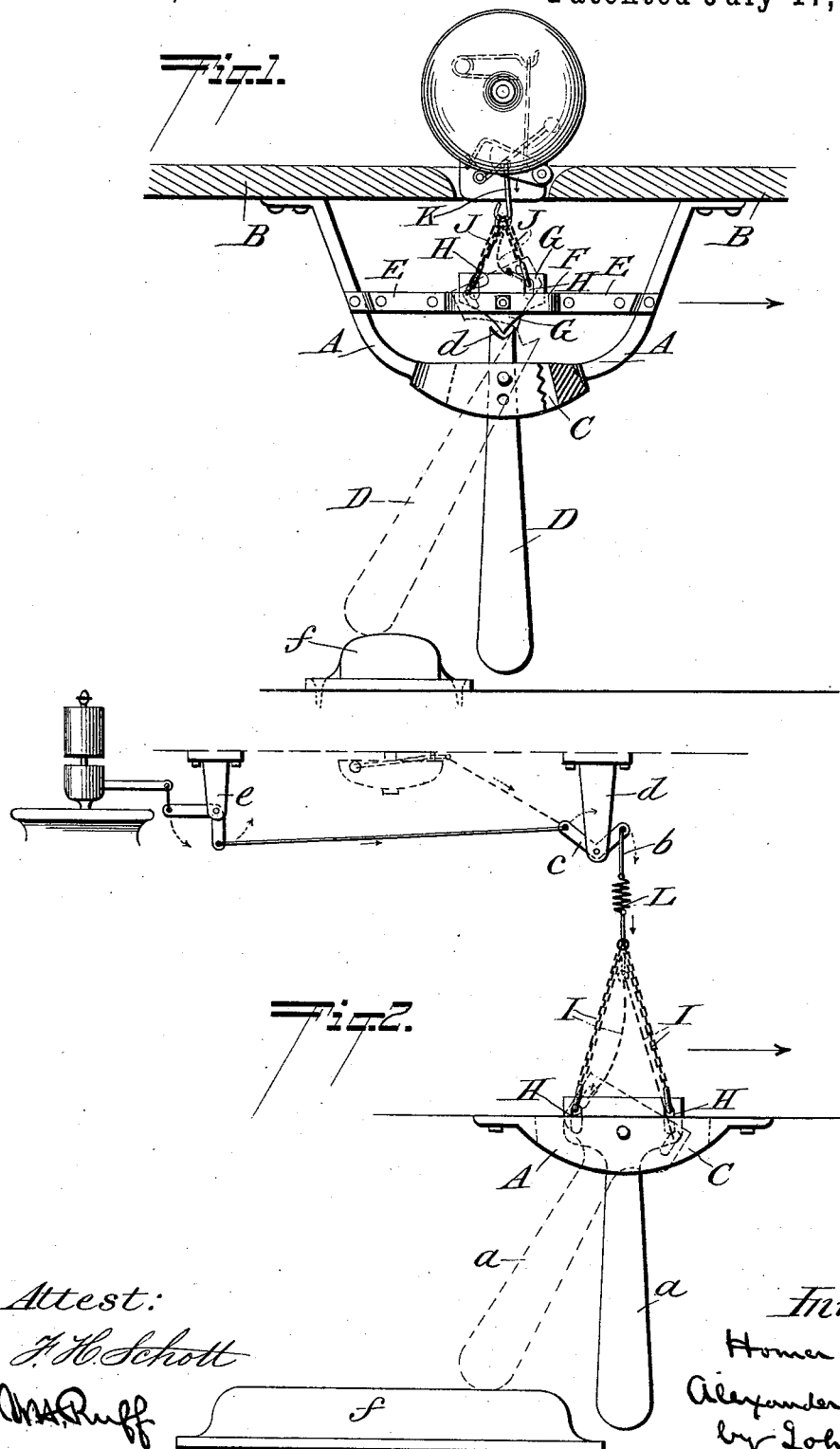


(No Model.)

H. S. BODLEY & A. P. ST. MARTIN.
AUTOMATIC ALARM SIGNAL.

No. 523,194.

Patented July 17, 1894.



Attest:

J. H. Schott

W. Ruff

Inventors:

Homer S. Bodley
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by John Johns
their attorney

UNITED STATES PATENT OFFICE.

HOMER S. BODLEY AND ALEXANDER P. ST. MARTIN, OF BATON ROUGE,
LOUISIANA.

AUTOMATIC ALARM-SIGNAL.

SPECIFICATION forming part of Letters Patent No. 523,194, dated July 17, 1894.

Application filed July 10, 1893. Serial No. 430,102. (No model.)

To all whom it may concern:

Be it known that we, HOMER S. BODLEY and ALEXANDER P. ST. MARTIN, citizens of the United States, residing at Baton Rouge, in the parish of East Baton Rouge and State of Louisiana, have invented certain new and useful Improvements in Automatic Alarm-Signals; and we do hereby 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 letters of reference marked thereon, which form a part of this specification.

Our invention relates to improved signaling mechanism of the class on which a track instrument or projecting device is operated by the contact therewith of a passing car or train.

With these ends in view our invention consists in the certain features of construction, as will be hereinafter fully described, and pointed out in the claim.

In the accompanying drawings Figure 1 is a side elevation of our invention, connecting with a gong, and Fig. 2 is a side elevation of the same showing the device in connection with a steam whistle.

A is a bracket, the arms of which are secured to the plates B. The central of the bracket A is slotted as shown at C, through which passes an operating lever D, having the bifurcated slot in its upper end, the same being pivotally secured therein. A rod E is rigidly secured to the bracket-arms and is provided centrally with a slot F, in which is pivoted the trip G, the lower end of which is adapted to engage the slot *d* in the upper end of the arm D. The upper end of the trip G is provided with slots H, in each of which are secured the ends of the chain J, the upper ends of which are attached to rod K which connects to a gong operator of the usual construction.

In Fig. 2 the operating arm *a* is pivoted in the slot C of bracket A, and is provided at its upper end with the openings H in which are secured the chains I which connect with a re-

lief spring L to relieve any strain in the event of striking unlooked for obstacles, the spring is connected by means of a rod *b* to the bell crank lever *c*, pivoted in the bracket *d*, which is shown secured to the roof of a car, which rod, in turn, has a suitable connection with the gong on the car. If preferred, however, the gong connection may be dispensed with and a connection made with a steam whistle on a locomotive by means of the chain being fastened to the bell crank lever in the bracket *e* which is connected to the valve of the steam whistle in the usual manner.

The knobs *f* are for the purpose of tripping the operating lever E as it passes over the same, thereby throwing the lever in the opposite direction as shown in dotted lines, and causing the trip in Fig. 1 to oscillate, thereby drawing down on one of the chains which will cause the gong to sound.

In Fig. 2 the operation will be readily seen in connection with the description. The operating lever is so constructed and adjusted that after it is tripped and passed over the knobs it will fall back into its normal position, and in falling back into position it may again act upon the trip G, thus sounding another alarm.

The slots H in the trip G allow the links secured therein to drop back and become passive. The continuation of the whistling is only dependent upon the length of the knob or rail employed.

Having described our invention, what we claim, and desire to secure by Letters Patent, is—

In an automatic alarm signal the combination with a bracket, an operating lever pivoted therein, having a bifurcated slot in its upper end, and a gong, of a trip pivoted in cross bar adapted to engage the slot in said lever, substantially as set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

HOMER S. BODLEY.

ALEXANDER P. ST. MARTIN.

Witnesses:

WM. R. MILLER,

A. C. CALHOUN.