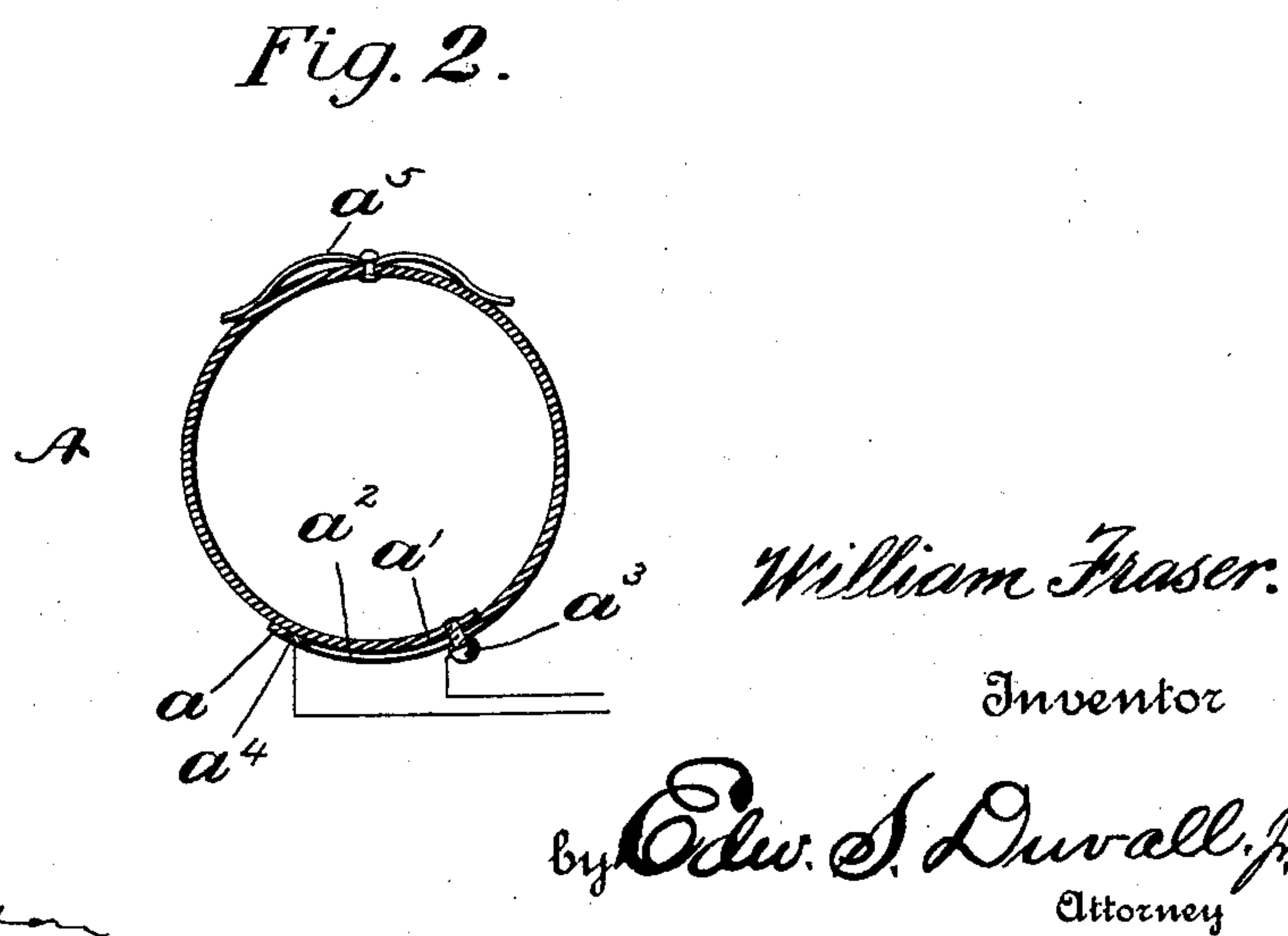
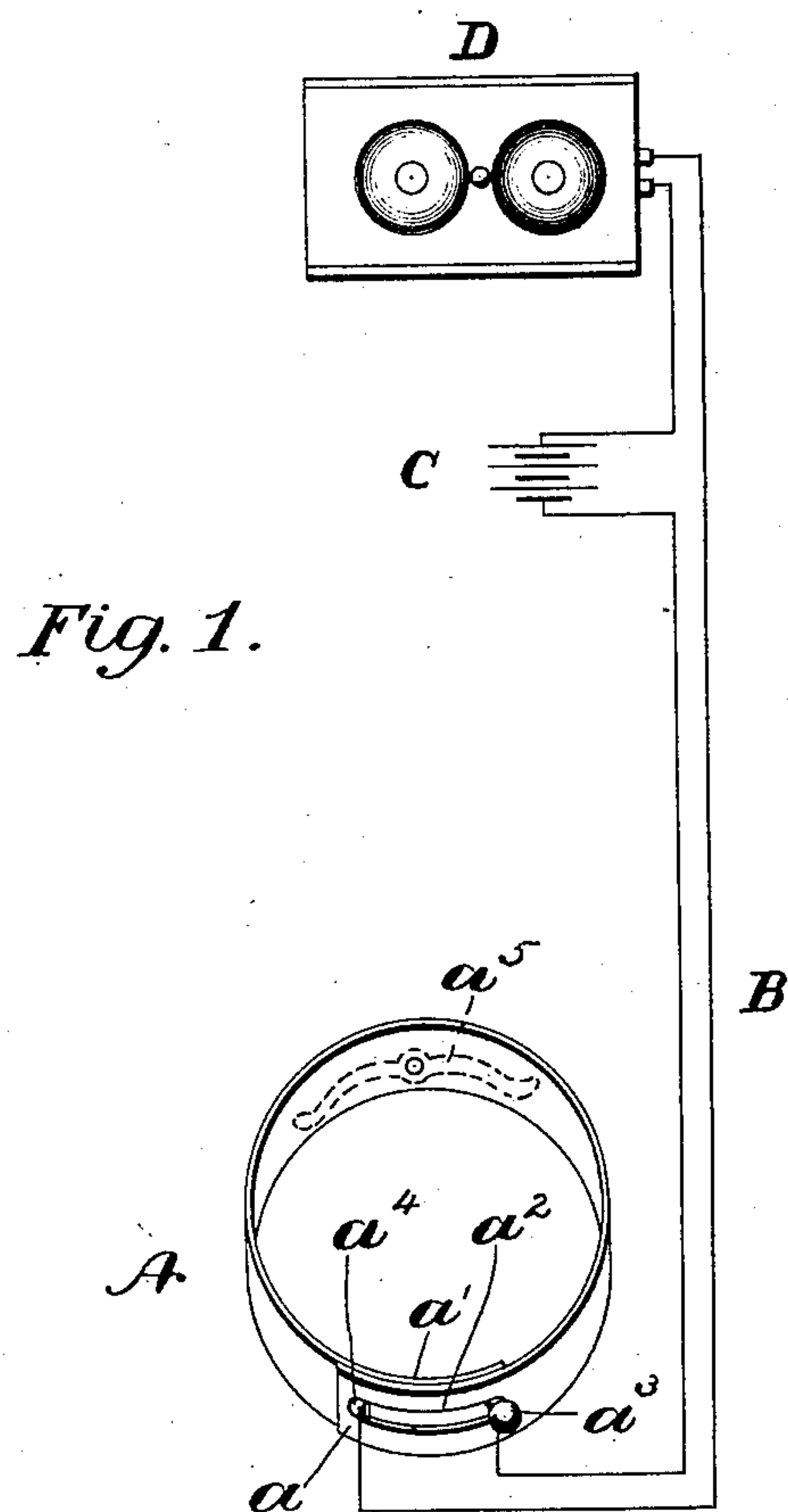


W. FRASER.
ELECTRIC SIGNALING DEVICE.
APPLICATION FILED AUG. 12, 1902.

NO MODEL.



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM FRASER, OF NEW LONDON, CONNECTICUT.

ELECTRIC SIGNALING DEVICE.

SPECIFICATION forming part of Letters Patent No. 723,259, dated March 24, 1903.

Application filed August 12, 1902. Serial No. 119,375. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM FRASER, a British subject, residing at New London, in the county of New London and State of Connecticut, have invented certain new and useful Improvements in Electric Signaling Devices, of which the following is a specification.

My invention relates to improvements in electric signaling devices; and the object of the same is to prevent weakening emissions from the human body.

With this and other objects and advantages in view the invention consists in the novel combination and construction of parts hereinafter described.

In the drawings accompanying this specification and illustrating my invention, Figure 1 is a perspective view of the signaling device, and Fig. 2 is transverse sectional view of the band.

Like letters of reference designate like parts in both views of the illustration.

A indicates a resilient band which is split and has overlapping ends a and a' . This band may be made of any non-conducting material, or the overlapping ends may be insulated for a purpose to be presently disclosed. In one of the ends of this band, preferably the outer one a , there is a slot a^2 , through which projects a binding post or terminal a^3 , which is secured to the inner end a' of the band near its extremity. In the end of the slot near the extremity of the other end a is seated or secured a second terminal or contact a^4 . The resiliency of this band A, assisted by a spring a^5 , maintains it normally in a contracted condition, so that the contact or terminal a^3 is at the far end of the slot from the contact a^4 . To these contacts are secured the terminals of an electric circuit B, in which is located besides the source of electrical energy C a signaling device, preferably an alarm-bell D. In its normal position the band separates the contacts a^3 and a^4 and

opens the circuit, whereas an expansion of the band A sufficient to bring the contacts into engagement will close the circuit and actuate the alarm D.

From the foregoing description and the illustration the working of the invention will be obvious without further explanation.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. The combination with an electric circuit and a signaling device, of an expansible annulus and adjacent contacts secured to the terminals of said electric circuit, said contacts being connected with said annulus in such manner as to be brought together by expansion thereof.

2. The combination with an electric circuit and a signaling device, of a split annular band having overlapping ends, a contact secured to each of said overlapping ends and insulated from each other, to which said contacts the terminals of the electric circuit are connected, and resilient means for holding said contacts normally out of engagement with each other.

3. The combination with an electric circuit and a signaling device, of a split, resilient band having overlapping ends, a contact seated in one end of an elongated slot in one of the overlapping ends, a contact secured to the other overlapping end and projecting through said slot and insulated from said first-mentioned contact, said contacts being connected to the terminals of the electric circuit, and a spring adapted to contract said band and normally hold or maintain said contacts out of engagement.

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

WILLIAM FRASER.

Witnesses:

WILL H. STEEN,
JOHN F. SULLIVAN.