

(No Model.)

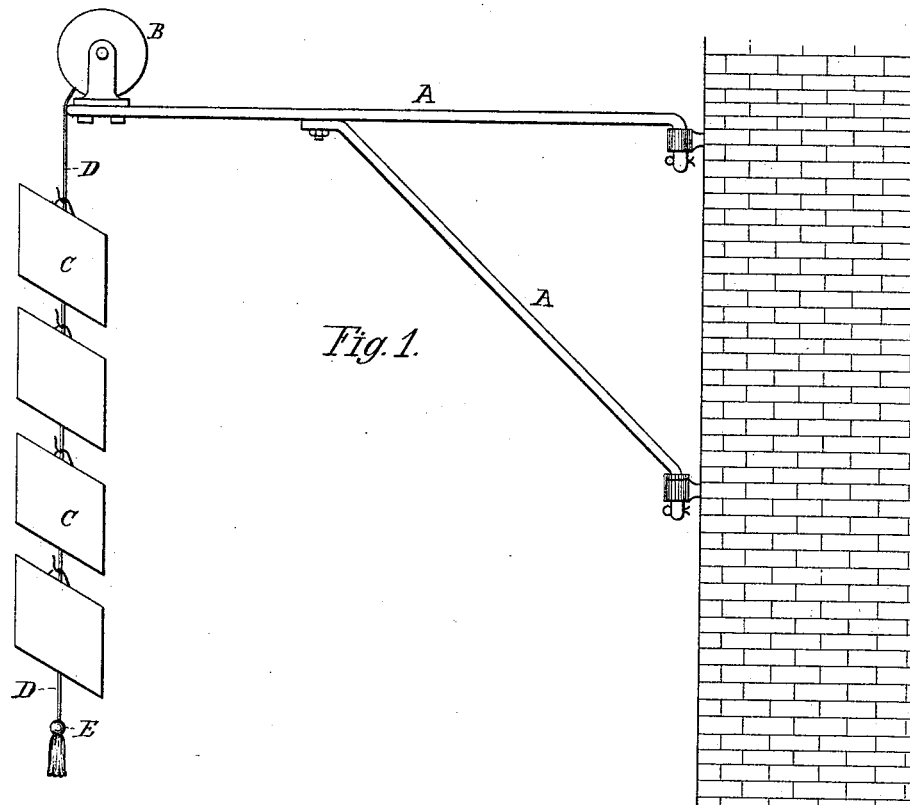
2 Sheets—Sheet 1.

C. J. HEITZMAN.

EXPRESS CALL.

No. 381,472.

Patented Apr. 17, 1888.



Witnesses
Bruno von Bültzingslöwen.
C. E. McDonald.

Inventor,
Charles J. Heitzman.
By His Attorney Slinger & Eber.

(No Model.)

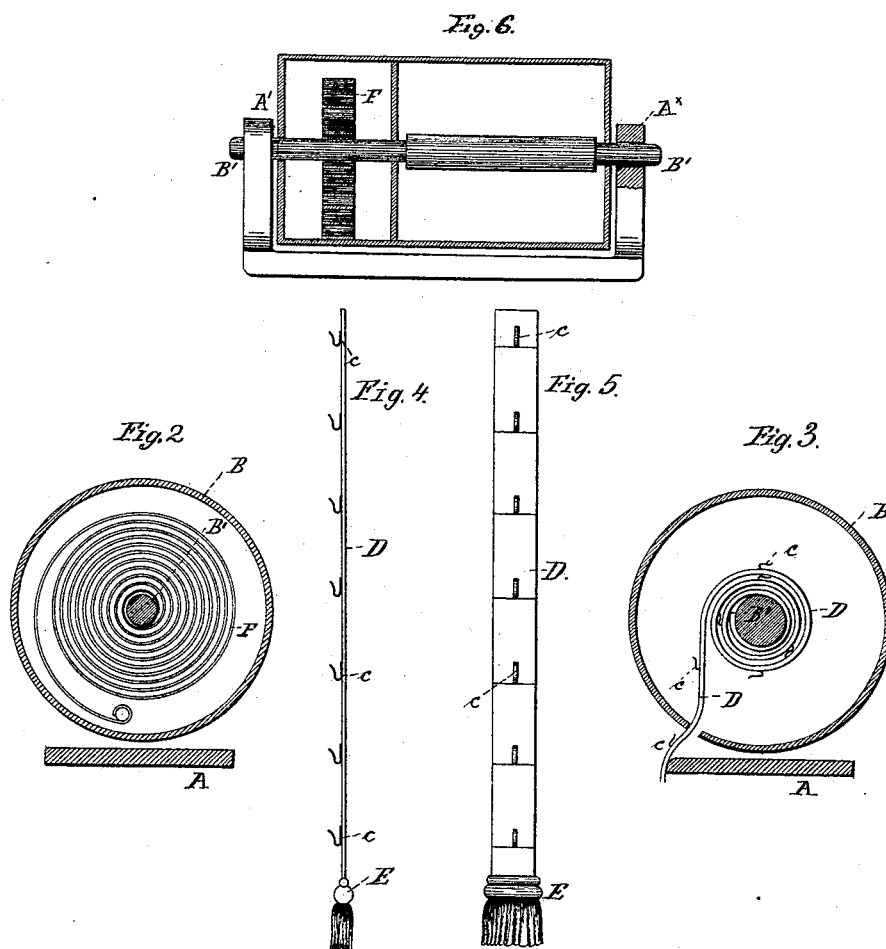
2 Sheets—Sheet 2.

C. J. HEITZMAN.

EXPRESS CALL.

No. 381,472.

Patented Apr. 17, 1888.



Witnesses.
E. von Billingsley.
L. Leve.

Inventor.
Chas. J. Heitzman.
By his Attorney, Singer & Co.

UNITED STATES PATENT OFFICE.

CHARLES J. HEITZMAN, OF NEW YORK, N. Y.

EXPRESS-CALL.

SPECIFICATION forming part of Letters Patent No. 381,472, dated April 17, 1888.

Application filed November 25, 1887. Serial No. 256,176. (No model.)

To all whom it may concern:

Be it known that I, CHARLES J. HEITZMAN, a citizen of the United States, residing at the city of New York, in the county of New York and State of New York, have invented a new and useful Improvement in Express or other Calls, of which the following is a specification.

The nature of the invention consists in the combination, with a swinging crane hinged or attached to the outside wall of a house near a window or door or other convenient support, of a hollow drum mounted in suitable bearings upon the outer end of said crane, into and out of which drum is wound a flexible strap attached to an axle revolving in said drum, and to which are attached a series of cards or signs bearing the name of an express or other company, said strap being loaded to counterpoise the resilience of a spring which is mounted in said drum to act upon the said axle, substantially as hereinafter fully described.

The nature of the invention also consists in the details of combination and construction, substantially as illustrated in the drawings, hereinafter described, and eventually pointed out in the claims.

Figure 1 is a side view in elevation, illustrating my newly-invented express-call with the signs displayed. Fig. 2 illustrates a transverse section of the drum, and shows the connection of the actuating-spring. Fig. 3 is another transverse section of the drum, illustrating the flexible strap partly wound in. Fig. 4 is an edge view of the flexible strap, and Fig. 5 a side view of the same. Fig. 6 is an axial section of the drum illustrating the relative positions of the spring and the flexible strap within the drum.

A designates the crane, which is hinged or attached to the wall of a house, as illustrated, near a door or window, so that it can be drawn in near enough to be within reach of the operator, or pushed out so as to make a display to the passers-by. Upon the outer end of the horizontal arm of this crane is mounted the drum B, its axle B' running in bearings at A' and A". One end of this drum is chambered to accommodate the spiral spring F, one end of which is attached to the interior of the drum B and the other end to the axle B' of the drum.

The drum B is hollow within, as illustrated. To the shaft B' within the hollow of the drum is attached the end of the flexible strap D, so that the said strap D, carrying the series of signs C, may be wound into the drum B. The spring F and the strap D are wound in different directions on the shaft B', so that the unwinding of the strap D will wind up the spring F, and the resilience of the spring F has a constant tendency to wind up the strap D. The end of the strap D is provided with a weight so adjusted that it will just counterpoise the resilience of the spring F. Upon the strap D is a series of spring-clips, c, which may be of any approved form. In these are secured the signs C, so that they may be taken off the strap and interchanged at pleasure. The signs may be of any suitable size and of any desired form, may be lettered in any approved way, and are detachably secured to the strap D, as above described, the whole device to be as illustrated in the accompanying drawings.

To use this device the crane is drawn up to the window or door so as to bring the drum within reach of the operator, who then pulls out the strap D far enough to accommodate the sign or card; or if that sign or any part of a series of signs be too far he lifts the strap a little, and the resistance of the weight E being removed the resilience of the spring F will wind in the strap D as far as may be desired. On account of the fact of the weight E exactly counterpoising the resilience of the spring F, the strap D will remain in whatever position it may be placed. When the signs have been properly adjusted, the crane is pushed away from the door or window far enough to display the signs.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The combination, with a swinging crane hinged or attached to the outside wall of a house near a window or door or other convenient support, of a hollow drum mounted in suitable bearings upon the outer end of said crane, into and out of which drum is wound a flexible strap attached to an axle revolving in said drum, and to which are attached, as specified, by means of spring-clips, one or more cards or signs bearing the name of an express

or other company, said strap being loaded to counterpoise the resilience of a spring which is mounted in said drum to act upon said axle, substantially as and for the purpose set forth.

- 5 2. In an express or other call, the combination of the crane A, hinged or attached to the wall of a building or other convenient support, the drum B, mounted in bearings at A' and A^x upon said crane, the spring F, arranged and attached as specified, the strap D,
10 attached to the axle B', the spring-clips c, fast-

ened to the strap D, the signs C, detachably secured by the clips c, and the weight E, attached to the strap D, all substantially as and for the purpose set forth.

In witness whereof I hereunto set my hand
in presence of two witnesses.

CHAS. J. HEITZMAN.

Witnesses:

B. VON BÜLTZINGSTÖWENS,
C. E. McDONALD.