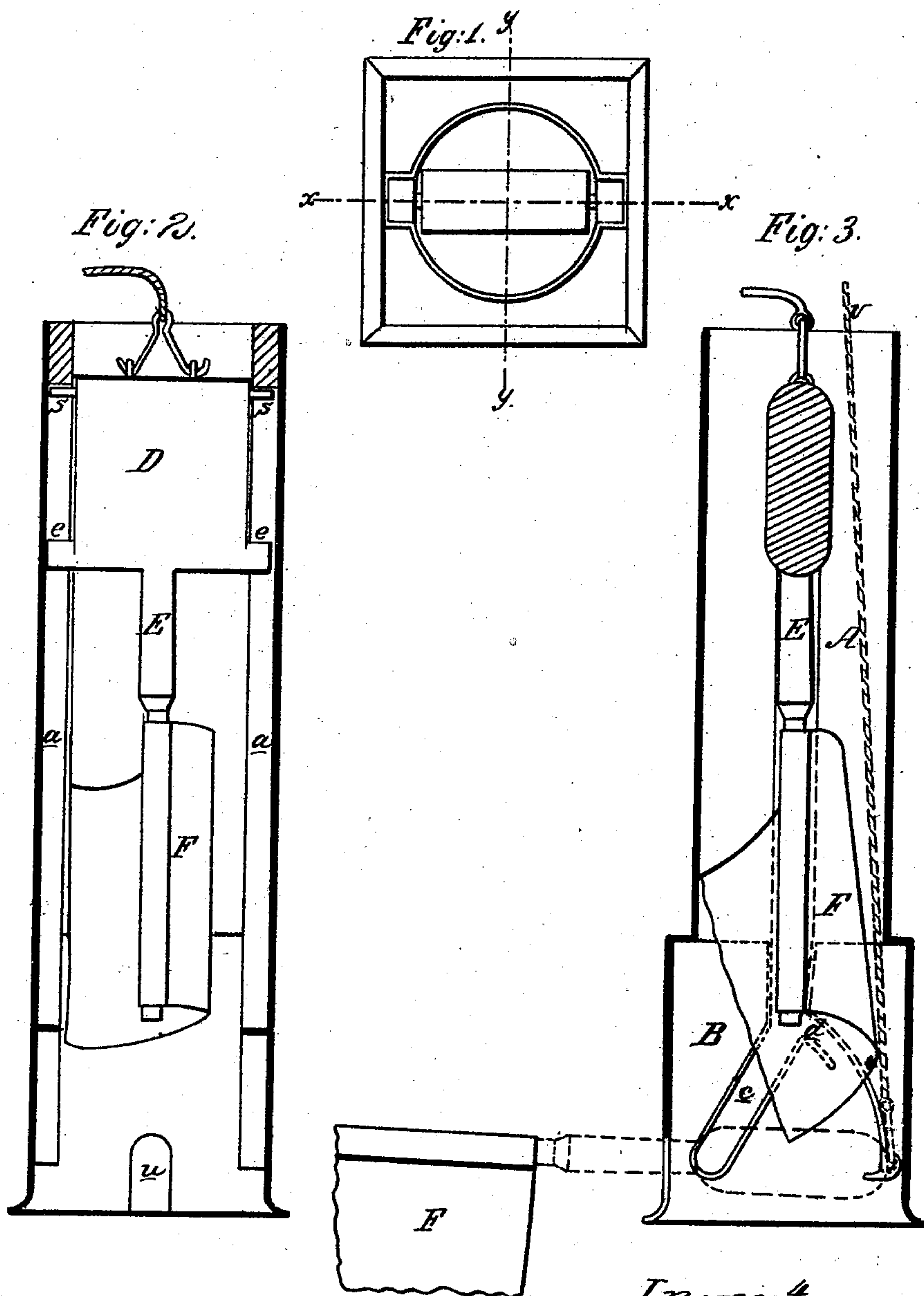


A. H. HUNTINGTON.

Signal Box.

No. 100,153.

Patented Feb. 22, 1870.



Witnesses;
James O. Gross
J. M. Hyne

Inventor:
A. H. Huntington
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attys

United States Patent Office.

ABEL H. HUNTINGTON, OF GALESBURG, ASSIGNOR TO WILLIAM McKEE,
OF NEPONSET, ILLINOIS.

Letters Patent No. 100,153, dated February 22, 1870.

IMPROVEMENT IN SIGNAL APPARATUS.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern :

Be it known that I, ABEL H. HUNTINGTON, of Galesburg, in the county of Knox, and State of Illinois, have invented a new and valuable Improvement in Signal-Boxes; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a plan view of my signal-box.

Figure 2 is a sectional view on the line *x x* of fig. 1; and

Figure 3 is a sectional view on the line *y y* of fig. 1.

My invention relates to signal-boxes, and is intended as an improvement upon the patent of WILLIAM McKEE, dated April 28, 1868. The improvement consisting in providing means whereby the signal-flag is automatically shown in a horizontal position, instead of the perpendicular position represented in said patent.

The letter *A* of the drawings represents a tube with a groove on each side marked *a*, resting upon a square hollow base marked *B*.

The letters *c* and *d* are respectively grooved switches adjusted in or inside of the base *B*, in the manner shown, and forming continuous guides for the movements of the ears and pins of the sliding block *D* next mentioned.

Letter *D* is a sliding block, constructed with an ear, *e*, on each side, as shown, which said ears move in and are guided by the switches *c*, and the side grooves of the tubes therewith connected.

The letter *E* is the flag-staff adjusted to the side of block *D*, as represented, and

Letter *F* is the flag attached thereto.

The end or side of block *D* opposite the flag-staff is weighted with lead or other heavy substance, for the purpose hereinafter stated, and it is also provided with pins, *s*, which move in and are guided by the switches *d*.

The letter *u* is a slot cut in the side of the base *B* for the purpose of allowing the flag-staff to be moved to a horizontal position, as hereinafter mentioned.

The letter *v* is a cord attached to the leaded side of block *D*, by means of which said block and the flag-staff attached thereto are drawn upward in the tube.

My device is operated as follows:

The operator takes hold of the cord *v* and therewith draws the sliding block and staff and flag upward in the tube to any desired position. Whenever he desires to exhibit the flag, he releases the cord.

The block *D*, guided by its ears and pins, slides down the grooves of the tube, the ears entering the switches *c* until they reach the bottom thereof.

The leaded side of the block, guided by the pins *s*, pass into the slots *d*, and throws the flag-staff and flag up to a horizontal position, the upper side of said flag-staff resting the upper side of the slot *u*.

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

The switch-ways *c* and *d*, in combination with the block *D*, tube *A*, base *B*, and grooves *a*, when constructed and arranged to operate substantially as and for the purposes specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

ABEL H. HUNTINGTON.

Witnesses:

BENJ. LOMBARD, Jr.,
F. H. TUBBS.