(No Model.)

H. B. ELLICOTT & C. A. HIGINBOTOM.

OFFICE INDICATOR.

No. 435,808. Patented Sept. 2, 1890.

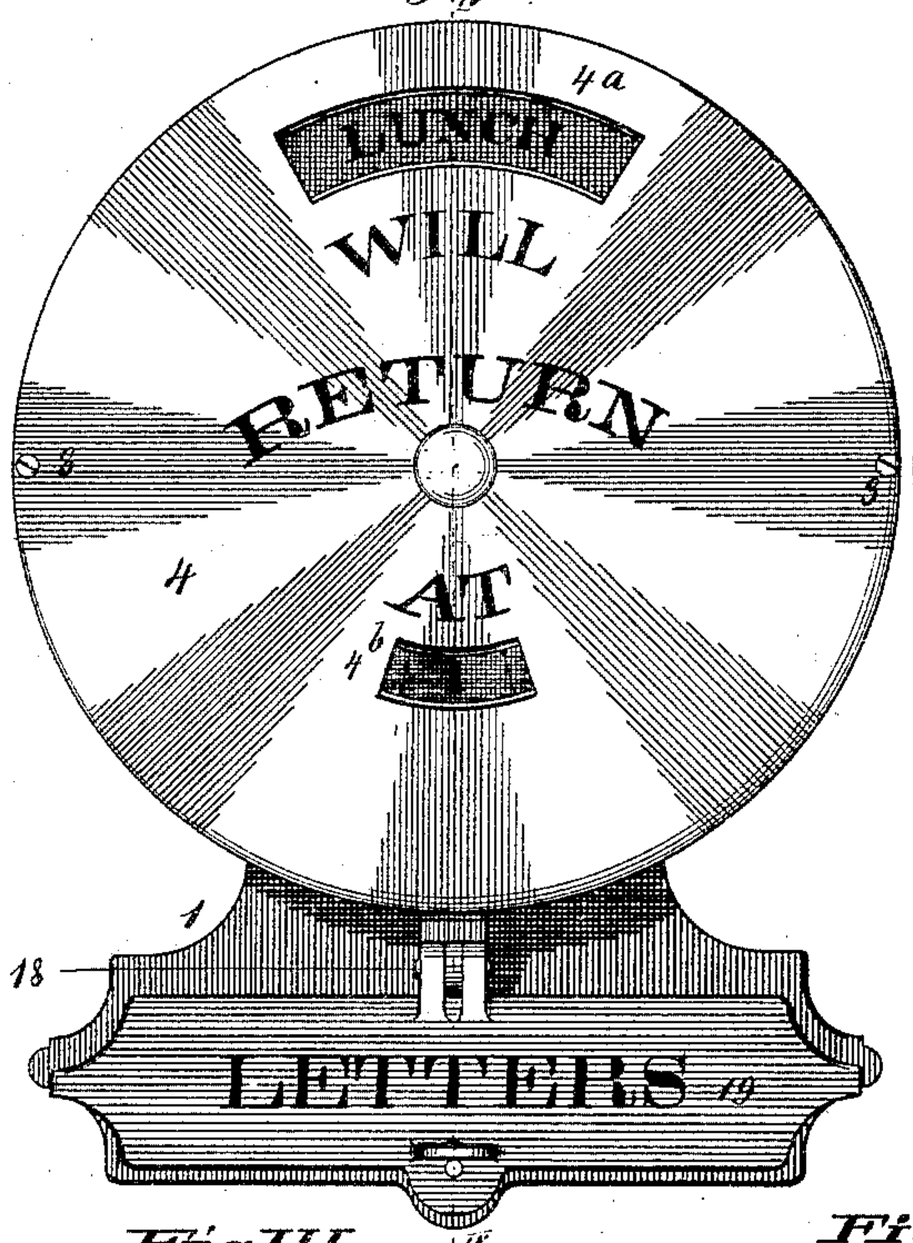


Fig III.

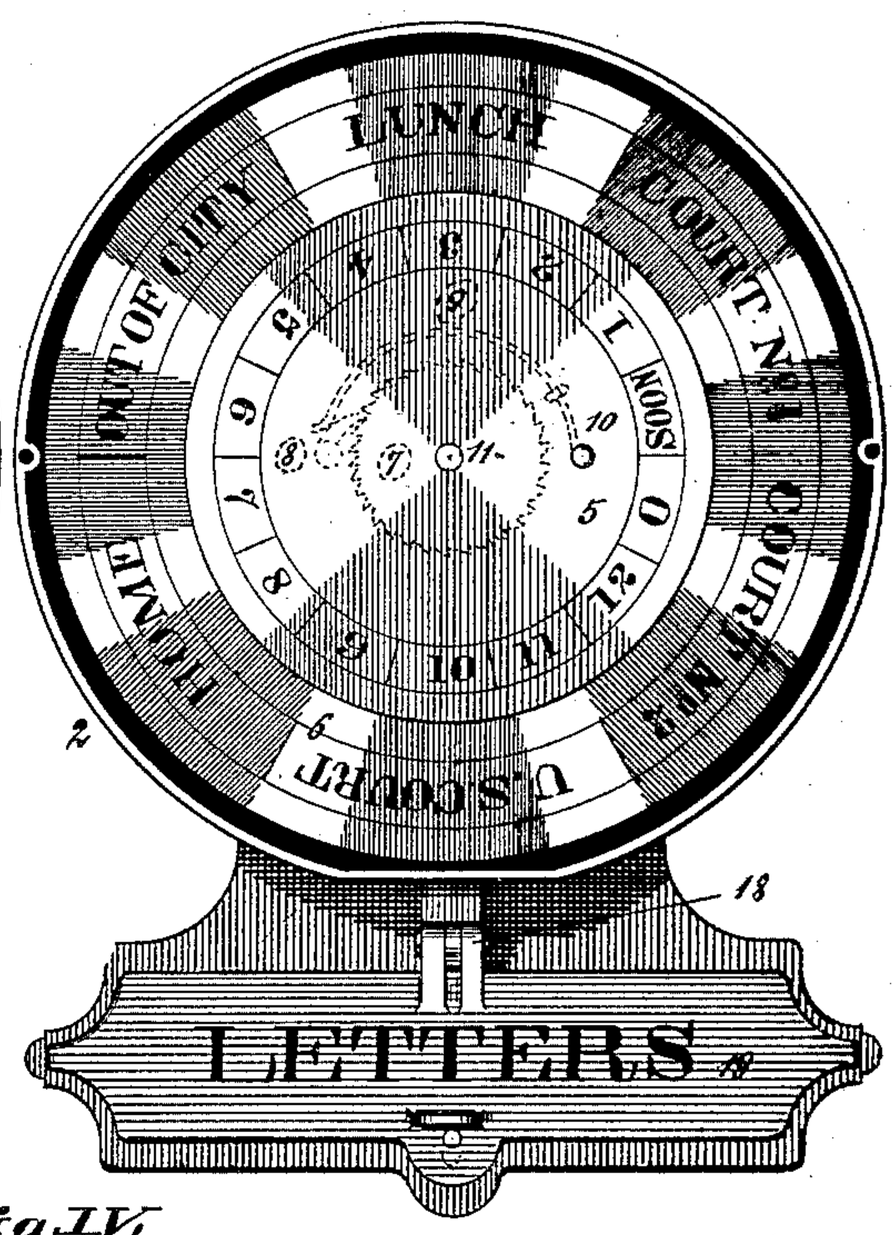
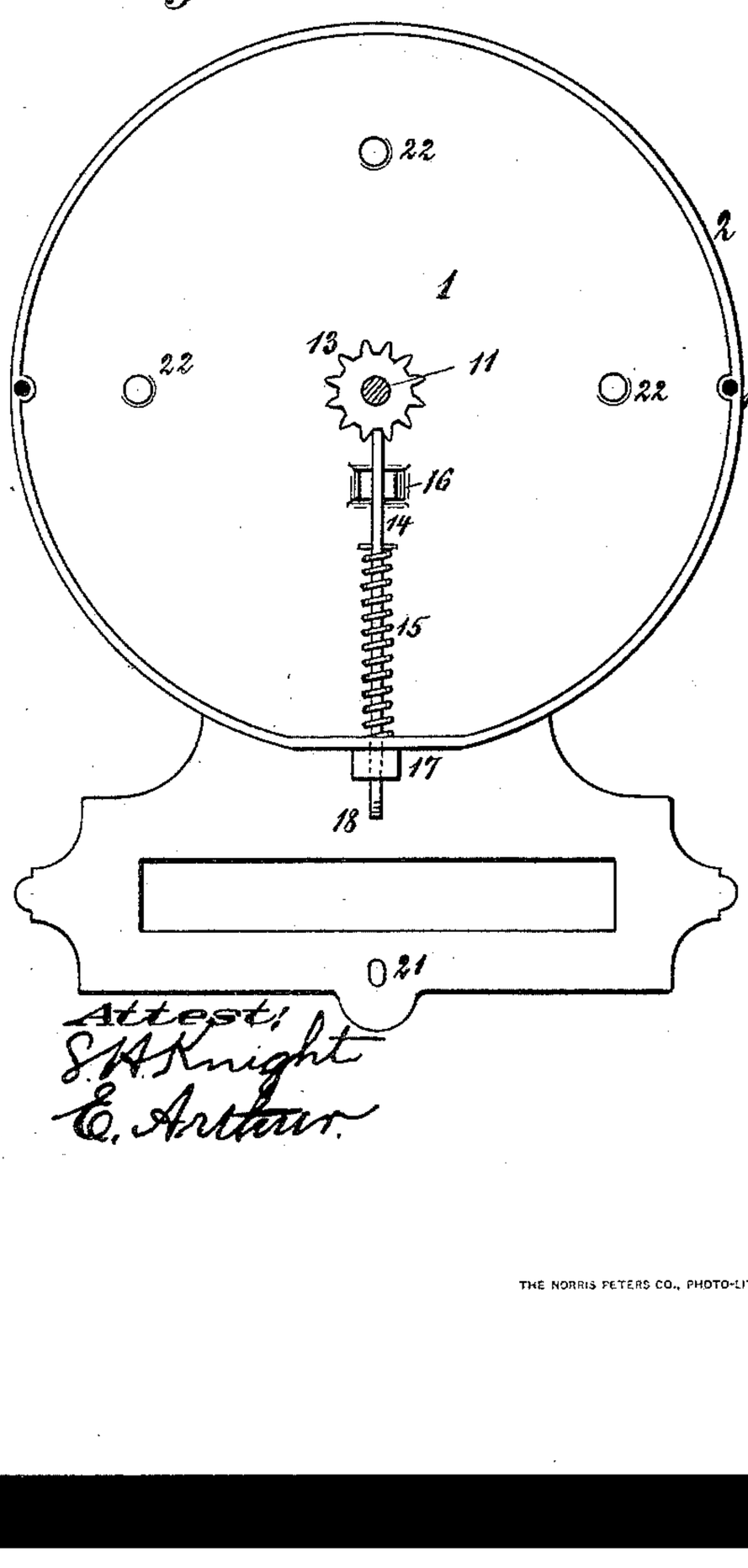


Fig IV.



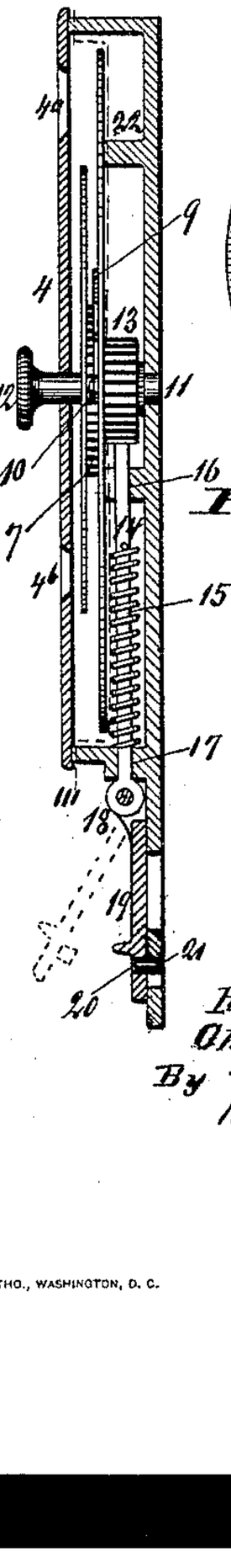


Fig V.

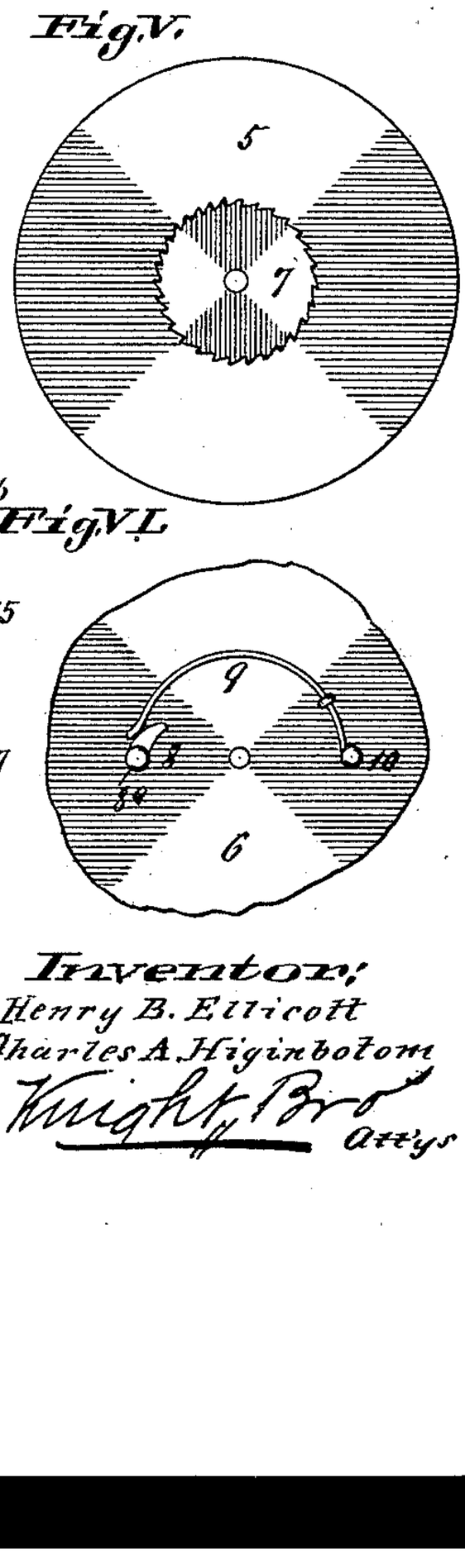


Fig VI.

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UNITED STATES PATENT OFFICE.

HENRY B. ELLICOTT AND CHARLES A. HIGINBOTOM, OF VANDALIA, ILLINOIS, ASSIGNORS OF ONE-HALF TO THOMAS W. HART, OF SAME PLACE.

OFFICE-INDICATOR.

SPECIFICATION forming part of Letters Patent No. 435,808, dated September 2, 1890.

Application filed November 15, 1889. Serial No. 330,425. (No model.)

To all whom it may concern:

Be it known that we, HENRY B. ELLICOTT and CHARLES A. HIGINBOTOM, both of Vandalia, in the county of Fayette and State of Illinois, have invented a certain new and useful Improvement in Office-Indicators, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

Our invention relates to a device for indicating the whereabouts of a person out of his office and the time at which he will return; and our invention consists in features of novelty hereinafter fully described, and pointed out in the claims.

Figure I is a front elevation illustrative of our invention. Fig. II is a front elevation with the face-plate removed. Fig. III is a vertical section taken on line III III, Fig. IV. Fig. IV is a vertical section taken on line IV IV, Fig. I. Fig. V is a rear view of the front dial with ratchet-wheel thereon. Fig. VI is a front view of the central portion of the back dial with dog and spring thereon.

Referring to the drawings, 1 represents the back of the case, having a flange 2, forming the edge of the case, and to which is secured at 3 the face-plate 4, and which face-plate has openings 4^a and 4^b.

5 is the front dial, on which are marked numerals or words representing time, and 6 is the back dial, on which are marked words or names of places denoting the whereabouts of the user. Secured to the back of the dial 5 is a ratchet-wheel 7, and to the front of the dial 6 are secured at 8^a a pivoted dog 8 and a spring 9 at 10. The dog is forced by the spring against the ratchet-wheel 7, for the purpose hereinafter mentioned.

11 is a shaft provided with a knob 12. To this shaft are rigidly secured the disk 5, with the ratchet-wheel 7 and a toothed wheel 13 located back of the disks. Engaging in this wheel 13 and holding it from turning is a rod 14, provided with a spring 15 for holding it in engagement with the wheel. The rod has bearing in a projection 16 and at 17 in the lower part of the flange 2, and to it is hinged at 18 a letter-box gate 19, having a pin 20 for engagement in an elongated pin-hole 21 in the back 1.

On the front of the back 1 are projections 22 of the same length as the projection 16, and whose purpose will be presently described.

The operation of the device is as follows: When it is desired to set the device to indicate the whereabouts of the user and the time of his return, the letter-box gate is drawn downwardly, thus disengaging the rod 14 from the wheel 13 and allowing it to be turned by the knob 12. To set the back dial, the knob is turned backward, and the front dial with the ratchet-wheel being secured to the shaft 11 and the back dial with the spring-dog being loosely mounted on the shaft the teeth of the ratchet-wheel will engage with the dog, and thus carry the back dial until the desired word or words are brought before the opening 4^a. The back dial now being in the position desired, the knob is turned forward, thus turning the front dial until the desired numeral or word thereof is brought before the opening 4^b. When the front dial is being set, the back dial is prevented from turning on the shaft by friction between the dial and the projections 16 and 22, the dog slipping over the teeth of the ratchet-wheel.

We claim as our invention—

1. In an office-indicator, the combination of the shaft and the dials mounted thereon, one of the dials having a pawl-and-ratchet connection with the shaft, whereby it is moved in one direction only, substantially as and for the purpose set forth.

2. In an office-indicator, the combination of the shaft, the dials 5 and 6, adapted to be set in different positions, the toothed wheel adapted to control the dials, and the locking device consisting of the rod and a spring adapted to force the rod into engagement with the toothed wheel, substantially as and for the purpose set forth.

3. In an office-indicator, the combination of the shaft, the dials, the toothed wheel adapted to control the dials, and the locking device consisting of the rod engaging the wheel and

the withdrawing-gate, substantially as and for the purpose set forth.

4. In an office-indicator, the combination of the shaft provided with a knob, the dial 5, rigidly secured to said shaft, and the dial 6, loosely mounted thereon, the ratchet-wheel fixed on the shaft, and spring-dog fixed on the movable dial, substantially as and for the purpose set forth.

5. In an office-indicator, the combination of the moving indicator, the case, and the projections 22 on the case having frictional contact with the indicator, substantially as and for the purpose set forth.

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In presence of—
E. R. RISON,
C. S. WALLS.