

UNITED STATES PATENT OFFICE.

JAMES R. BAIRD, OF VINCENNES, INDIANA.

APPARATUS FOR RINGING BELLS.

Specification of Letters Patent No. 18,623, dated November 17, 1857.

To all whom it may concern:

Be it known that I, JAMES R. BAIRD, of the city of Vincennes, in the State of Indiana, have invented a new and Improved Mode of Ringing Bells; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

10 The object of my invention, is to afford facilities for conveniently and perfectly ringing an elevated bell from a position any distance below it.

15 The nature of my invention consists in the attachment of the circular lever directly to the ball or lower end of the tongue instead of to the upper end or to the pivot on which it swings. By this mode of attachment, the diagonal bars and upright standard used in the bell ringing device patented by Thomas V. Stran for producing the parallel motion, is dispensed with, and thus a very simple device accomplishing all the advantageous results attained by Stran's complicated arrangement, is secured—and at 25 the same time every facility afforded for

connecting the lower ends of the pendulous cords or wires by a cross head so that they may be operated by one man, through a single handle.

I do not claim ringing an elevated bell from a position below it by means of a flexible or jointed frame, when said frame is attached directly to the axis on which the upper end of the tongue swings, as in the bell ringing device patented in 1852 by Thomas V. Stran—but,

What I do claim as my invention and as an improvement in Stran's device, and desire to secure by Letters Patent, is—

The direct attachment of the circular lever C, to the ball or lower end D, of the tongue or clapper, and the combination of said lever, thus attached, with the vibrating cross head E, and handle I, by means of the pendulous rods F, F,—substantially as and for the purposes set forth.

J. R. BAIRD.

Witnesses:

HENRY V. CAUTHORN,
A. L. COMYER.

J. BALL.
Straw and Fodder Cutter.

No. 18,624.

Patented Nov. 17, 1857.



