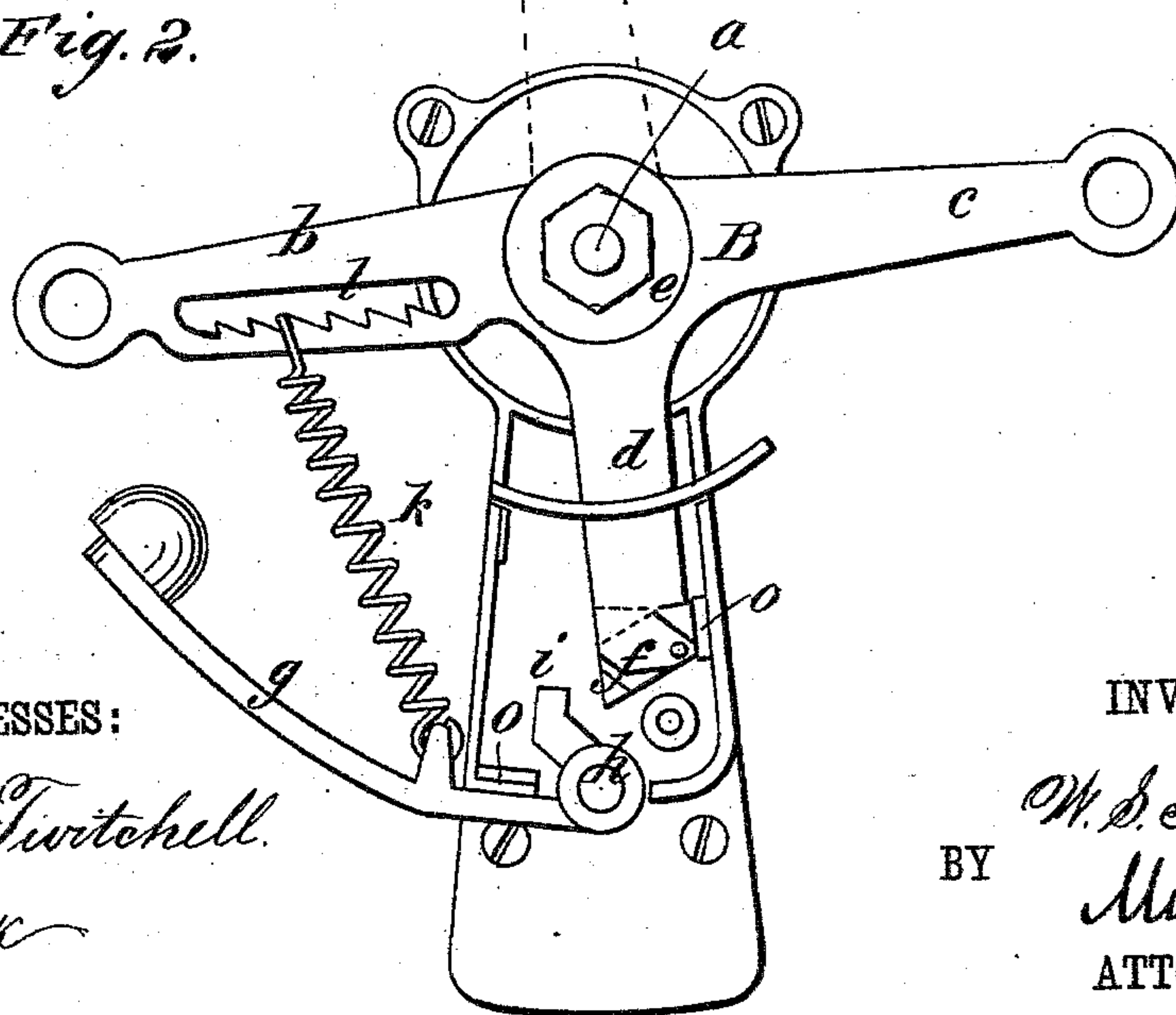


W. S. FOSTER.

Patented July 10, 1883.

No. 280,924.



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UNITED STATES PATENT OFFICE.

WILLIAM S. FOSTER, OF RICHFORD, VERMONT.

GONG-BELL.

SPECIFICATION forming part of Letters Patent No. 280,924, dated July 10, 1883.

Application filed April 9, 1883. (Model.)

To all whom it may concern:

Be it known that I, WILLIAM S. FOSTER, of Richford, in the county of Franklin and State of Vermont, have invented a new and
5 Improved Gong-Bell, of which the following is a full, clear, and exact description.

My invention consists in a double pull for gong-bells in use in situations where the connections extend in opposite directions or at
10 right angles to each other, so that the bell may be operated from separate places.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate
15 corresponding parts in both figures.

Figure 1 is a front elevation of my improved gong-bell, with the bell partially broken away, and Fig. 2 is a face view of the mechanism.

A is a suitable base-plate, provided with a
20 stud or post, *a*, that receives the pull B and the gong C. The pull B is formed with three arms, *b c d*, projecting from a hub, *e*, two of the arms, *b c*, projecting at opposite sides, having holes in their ends for connection of
25 the ropes or wires, and the other arm, *d*, which projects at right angles to arms *b c*, is provided at its outer end with a pivoted latch, *f*, for operating the hammer.

g is the hammer, hung on a stud, *h*, and having its tail portion *i* bent into the path of lug *f*.
30

k is a spring extending from the connection on the hammer-arm to the arm *b*, that is provided with a slot, *l*, having a notched side for connection of the spring. The spring may be
35 connected in either of the notches to give more or less tension, as required. By this construction the bell can be operated by a connection to either arm *b* or *c*, the ropes or wires passing off in opposite direction, and there may be
40 a third arm, as shown in dotted lines in Fig.

2, for a connection at right angles. The one spring serves to return both the hammer and pull to their normal position against the stops *o o*, when operated by a pull on either arm. The same spring also causes the latch *f* to
45 return to position on return of the arm by pressure of the latch against the stop *o*.

This gong-bell is especially adapted for use on locomotives, as the bell-rope can be extended to cars in front or at the rear, or both
50 at the same time. When used on locomotives, I prefer to employ a wire loop, *p*, Fig. 1, for connection of the rope, for reason that the loop will break first and prevent injury to the bell in case a train separates.
55

In order to exclude dust from the bearings, the plate A is formed with side flanges to receive a cap, *m*, which is held in place by a pin through stud *h*, so that the cap can be easily removed to allow of oiling.
60

This gong-bell is of very simple and inexpensive as well as durable construction.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. In a gong-bell, the rocking pull B, formed
65 with two or more arms for connection of a rope or wire, and a third arm for operating the hammer, substantially as shown and described.

2. The combination of pull B, formed with arms *b c d*, the pivoted hammer *g*, and spring
70 *k*, connecting the hammer to one of the arms of the pull, substantially as described.

3. The combination of pull B, having an arm slotted and notched at *l*, and the spring
75 *k*, connected to the hammer-arm, substantially as described.

WILLIAM STUART FOSTER.

Witnesses:

J. H. GROSS,

JOHN H. CARPENTER.