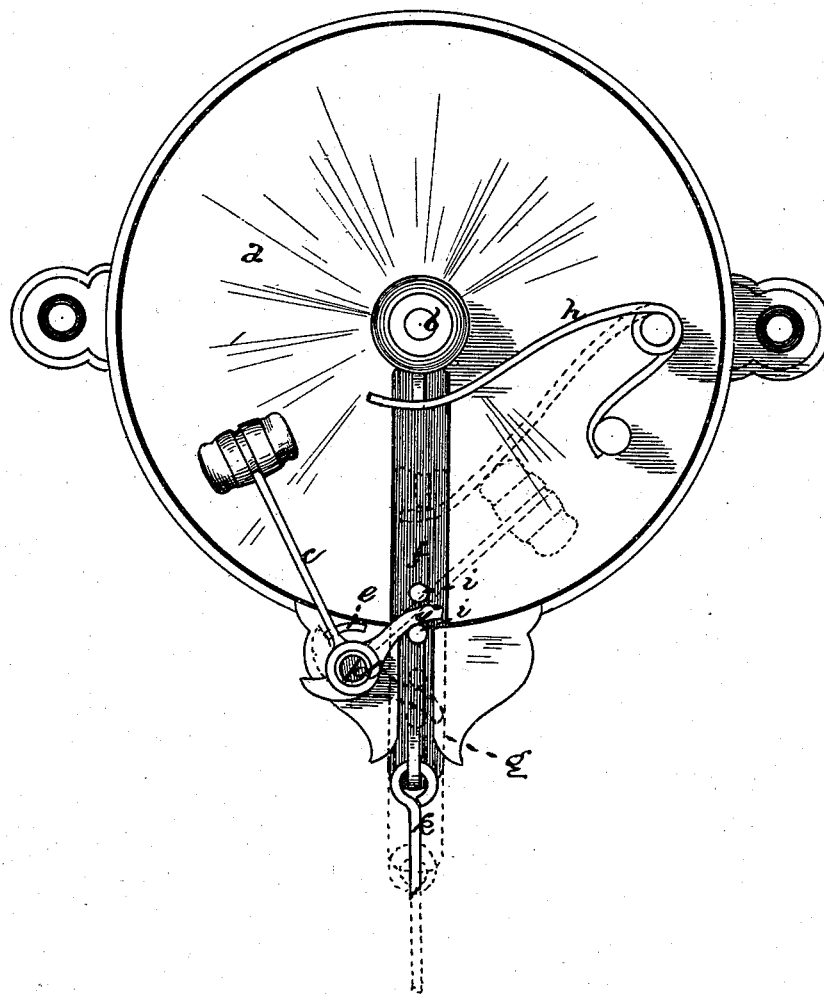


J. P. CONNELL.

DOOR-BELL.

No. 169,675.

Patented Nov. 9, 1875.



WITNESSES

John Pollitt
Frank G. Fuller

INVENTOR.

John P. Connell.
BY W. E. Simonds

UNITED STATES PATENT OFFICE.

JOHN P. CONNELL, OF KENSINGTON, CONNECTICUT.

IMPROVEMENT IN DOOR-BELLS.

Specification forming part of Letters Patent No. **169,675**, dated November 9, 1875; application filed October 1, 1875.

To all whom it may concern:

Be it known that I, JOHN P. CONNELL, of Kensington, in the county of Hartford and State of Connecticut, have invented an Improved Gong-Bell, of which the following is a specification, reference being had to the accompanying drawing, which is a view looking upon that side of the base-plate which carries the operating mechanism, the common concave sounding-shell being removed.

This a double-stroke bell. It may be made a single stroke by a simple change hereinafter explained.

The letter *a* denotes the base-plate; *b*, a post rising therefrom, on which the sounding-shell (not shown) is secured; *c*, the hammer pivoted on pin or screw *d*. *e* is a stop, which prevents the hammer from vibrating too far in either direction; *f*, a bar, having reciprocating movement, being hung in a mortise, *g*, indicated by dotted lines; *h*, a spring, throwing bar *f* inward; *i i*, pins on bar *f*, taking between them the arm *j* coming from the hammer; *k*, a pull-wire.

The drawing represents the working parts in the normal position of rest. To strike the bell the operator draws upon the pull-wire, which throws the hammer over to the position shown in dotted lines, and the hammer there strikes and sounds the bell. The operator letting go the pull-wire, the spring returns the hammer to its first position, where it again strikes and sounds the bell.

By so locating the stop *e* that the hammer cannot strike the bell when first thrown over, the bell can be made single-stroke.

I claim as my invention—

In combination, the pivoted hammer *c*, bearing the arm *j*, the reciprocating bar *f*, bearing the pins *i i*, and the spring *h*, all arranged and operating substantially as shown and described.

JOHN P. CONNELL.

Witnesses:

WM. EDGAR SIMONDS,
EDWARD S. BILL.