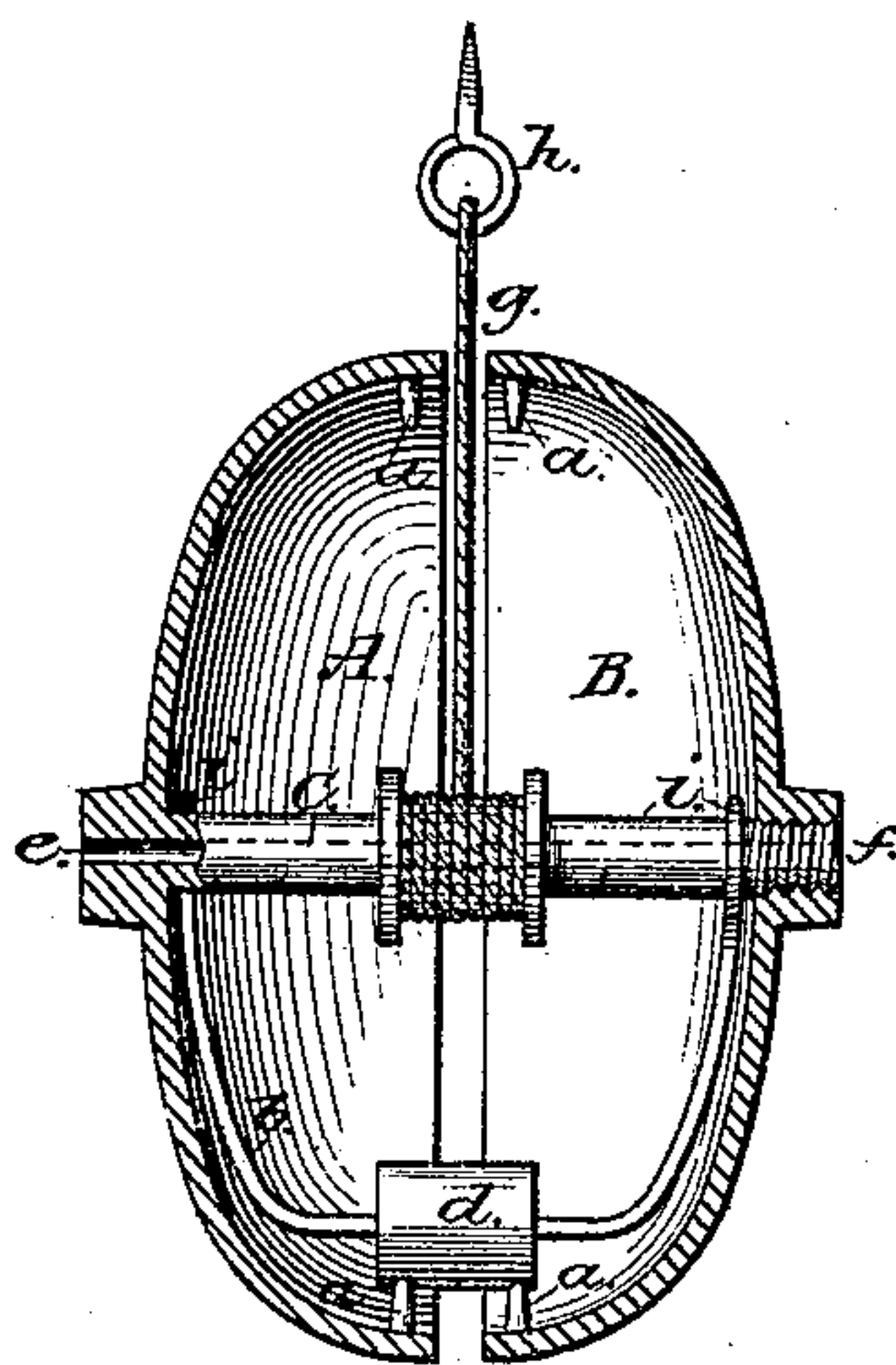


F. H. ALLEN & J. LATHROP.

BURGLAR-ALARMS.

No. 174,754.

Patented March 14, 1876.



Attest:

Geo. Thompson Esq
Leslie W. Beach

Inventors:

Frank H. Allen
James Lathrop

UNITED STATES PATENT OFFICE.

FRANK H. ALLEN AND JAMES LATHROP, OF NORWICH, CONN., ASSIGNORS
OF ONE-THIRD THEIR RIGHT TO JOHN E. WARNER, OF SAME PLACE.

IMPROVEMENT IN BURGLAR-ALARMS.

Specification forming part of Letters Patent No. 174,754, dated March 14, 1876; application filed
February 18, 1876.

To all whom it may concern:

Be it known that we, FRANK H. ALLEN and JAMES LATHROP, both of Norwich, county of New London and State of Connecticut, have invented certain Improvements in Burglar-Alarms, of which the following is a specification:

Our improvement consists of a simple, effective, and cheap device which will instantly awaken a sleeper who has applied it to a door or window, should the door or window be opened by any one effecting an entrance.

Our especial object is to render a lodging-room perfectly secure from burglars' visits, or, if such visits occur, to awaken the sleeper, so that he may be enabled to meet the intruder and protect his property and life.

In the accompanying drawing, A and B are bells of convenient size and shape to be carried in a valise or pocket. On A is a projection or stud, C, which is threaded and tapped into the bell B at *f*. *g* is a string or elastic cord, on one end of which is a screw-eye, *h*, the other end being made fast to the stud C. Through the stud C is a hole, *e*, of sufficient size to receive a pin or needle. *a a a a* are projections on the bells A B, pointing toward the central shaft or stud C. *d* is a weight or hammer, hanging on the wire *b*, which, in turn, is fastened lightly to the stud C by loops or rings at either end, *i i*.

To operate this device on a door, wind the cord *g* around the stud C. Screw the screw-eye *h* into the door or door-frame deep enough to sustain the weight of the bells. Then, with

the door closed, fasten the alarm to the door-frame by a pin or needle passed through the hole *e* and into the door-frame. In a large size it would be necessary to stick the pin into the door-frame first, then hang the alarm on it. In fastening the alarm to the door-frame care must be taken that about one-third of the alarm shall extend beyond the door-frame and in front of the door.

When the door is opened by any one from the outside, the alarm is pushed off the pin, and the weight of the bells causes the cord to be unwound, giving a rotary motion to the bells, the weight or hammer *d* at the same time striking the projections *a a a a* alternately, making a noise loud enough to awaken the soundest sleeper.

Should an elastic cord be used, the impetus gained by the revolving bells in descending will cause the cord to unwind and rewind itself several times before it becomes motionless.

We claim—

In combination with the bells A B, the pendent wire *b*, with the metallic hammer *d*, the cord *g*, and screw-eye *h*, all arranged and operated as and for the purpose specified.

In witness whereof we have hereunto set our hands and seals this 16th day of February, A. D. 1876.

FRANK H. ALLEN. [L. S.]

JAMES LATHROP. [L. S.]

In presence of—

JOHN DURHAM, Jr.,

LESLIE W. BEACH.