

(No Model.)

S. WHEELER.
TOILET PAPER FIXTURE.

No. 438,567.

Patented Oct. 14, 1890.

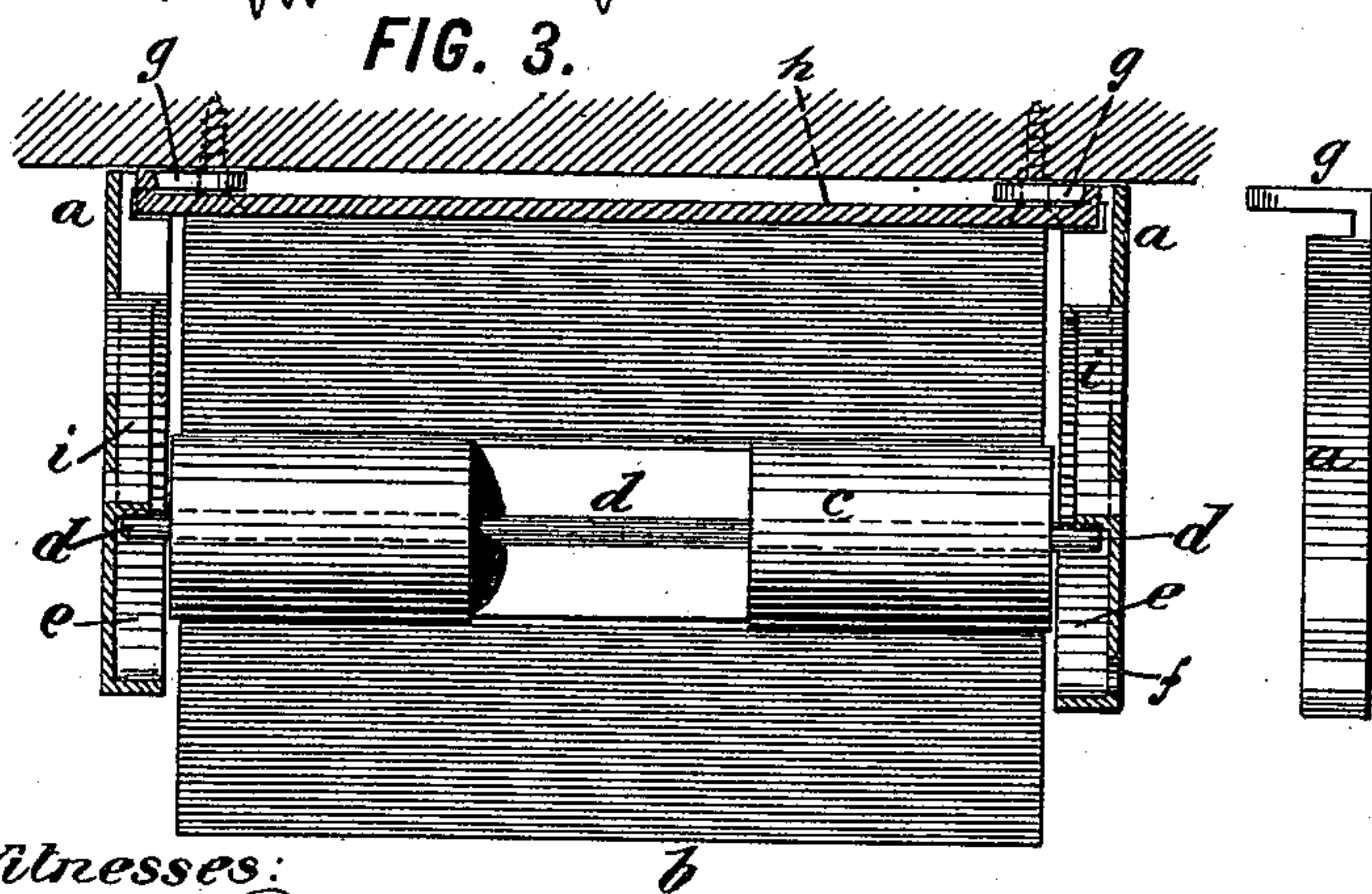
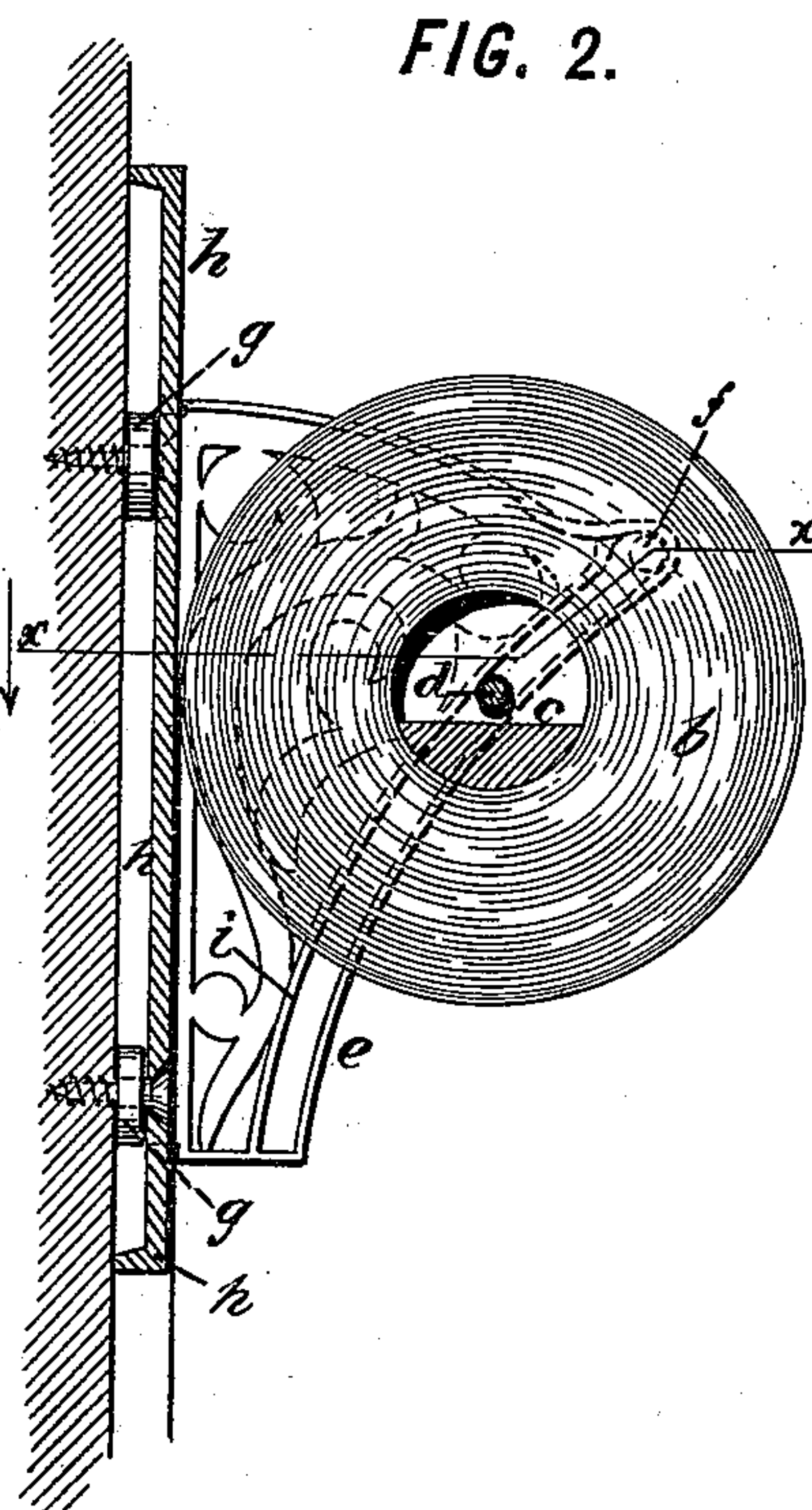
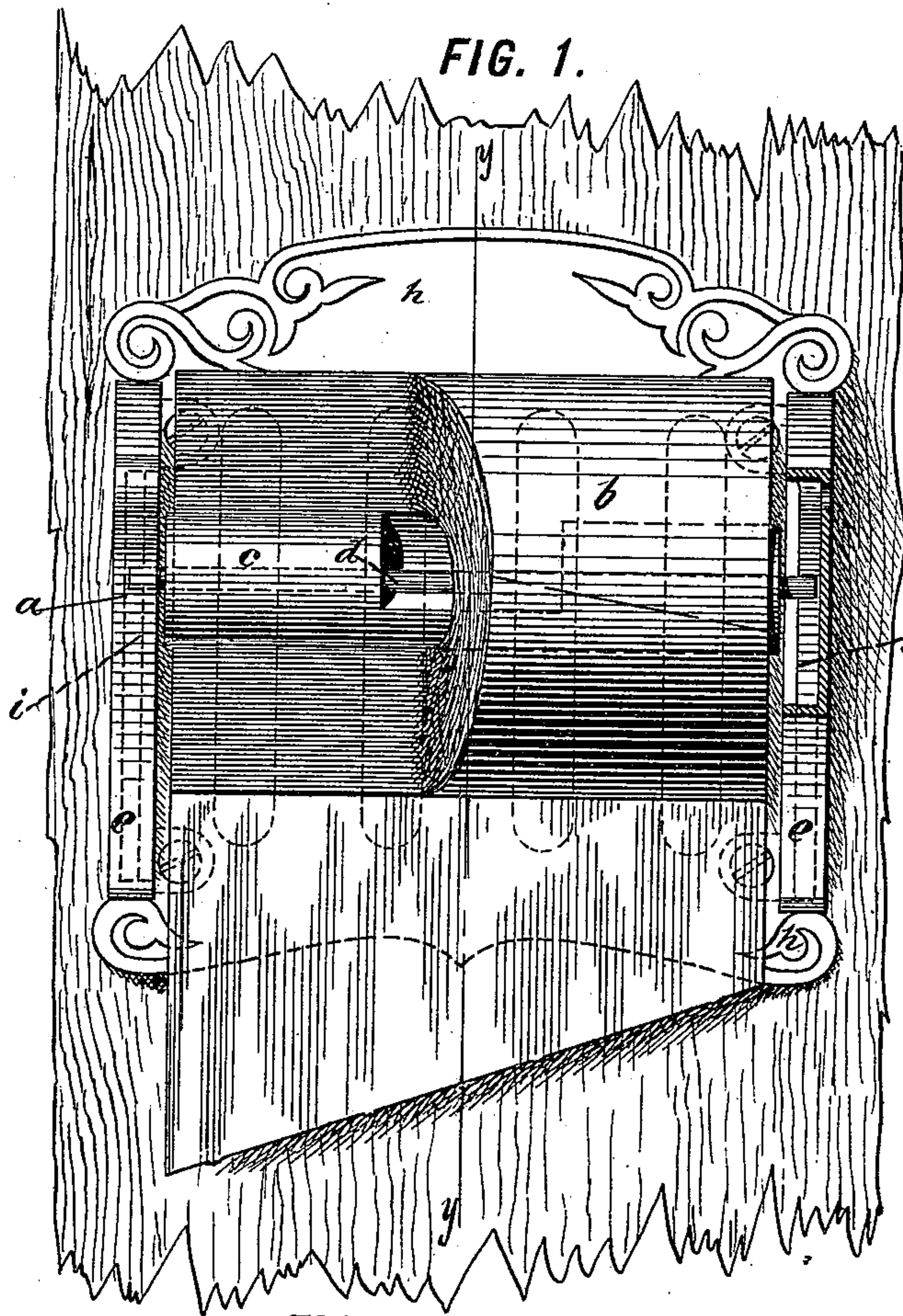


FIG. 4.



Inventor.

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TOILET-PAPER FIXTURE.

SPECIFICATION forming part of Letters Patent No. 438,567, dated October 14, 1890.

Application filed April 21, 1890. Serial No. 348,792. (No model.)

To all whom it may concern:

Be it known that I, SETH WHEELER, of the city of Albany, in the State of New York, have invented certain new and useful Improvements in Fixtures for Toilet-Paper; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, forming a part of this specification.

In the drawings, Figure 1 is a front view of a fixture to which is applied my improvements. Fig. 2 is a central vertical section of the fixture, taken in the line *y y* of Fig. 1. Fig. 3 is a horizontal cross-section taken in the line *x x* of Fig. 2. Fig. 4 is a top view of one of the arms or brackets.

a a are two brackets, between which is held the roll of paper *b*, placed upon a spool *c*, through which spool is passed a spindle or locking-wire *d*. Upon the outer edge of each of these brackets *a a* is placed a flange *e*, inclined in its position from the point at which the spindle *d* is inserted in the brackets down to the bottom of the brackets. These flanges serve to retain the spindle *d* between the brackets, and as the paper is withdrawn from the roll permit the passage of the roll down between the brackets. The spindle *d* is inserted at the opening *f* made in the top of one of the brackets, thus securing the roll of paper in proper position between the brackets when such spindle is passed through the spool and the roll contained thereon. Each of these brackets *a a* has cast on it at right angles two lugs *g g*, which lugs pass behind the back *h*, and the brackets, either with or without such back, may be secured to the wall by means of screws, as shown in Figs. 1, 2, and 3.

i i are two additional flanges, which I prefer to cast on the brackets parallel with the flanges *e e*, thereby forming an inclined groove for the ends of the spindle *d* to travel in. This not only permits of the roll passing down through the brackets *a a* as it grows smaller in diameter, but will also protect the roll of paper from being lifted out of the fixture before the sheets of paper thereon are all used up. In other words, by reason of the additional flanges *i i* the roll is securely locked between the brackets at all times. After all of the

sheets are withdrawn from the roll the spool *c* and spindle *d* are raised up to the top of the groove, and the spindle can then be pushed out through the hole *f* with the aid of the hand at the opening in the center of the spool preparatory to inserting another roll of paper between the brackets.

The roll of paper is either perforated or incised so as to give sheets of any predetermined length.

It will be apparent from the foregoing description of the parts that the back *h* may be dispensed with, and the brackets *a a* being then attached directly to the wall the operation of the roll impinging upon the wall will be the same as if the back *h* of the fixture were present. Instead of the locking means shown—namely, the spool *c* and spindle *d*—the spindle *d* may be dispensed with, the spool *c* being then used alone, but made much smaller and longer, so as to permit of bearings which will fit the grooves in the brackets and at the same time be withdrawn through one of the brackets after the roll of paper is used up. In this case the paper roll would carry more sheets and be wound nearer the center. I prefer, however, the construction shown in the drawings—namely, of spool and spindle—as more convenient with respect to the manufacture of the roll of paper itself.

I claim—

1. In a toilet-paper fixture, the arms or brackets having an inclined retaining-flange with an opening in the side of the bracket for the insertion of the spool or central spindle carrying the roll of paper within the retaining-flange, said flange forming a closed bearing for the spindle and allowing it to be removed therefrom only after all the paper in the roll is exhausted, substantially as described.

2. In a toilet-paper fixture, arms or brackets containing an inclined groove closed at its upper end and arranged to receive and hold a spool or central spindle carrying a roll of paper and to cause such roll to always impinge against the back of the fixture or wall upon which the brackets are placed and to be locked within said arms, substantially as described.

3. In a toilet-paper fixture, the arms or

brackets *a a*, having a side opening *f* for the insertion of the central spindle, constructed with inclined flanges *e e* for retaining a roll of paper within such arms and to enable it
5 to always impinge upon the back of the fixture or wall upon which the brackets are placed, substantially as described.

4. In a toilet-paper fixture, the brackets or arms *a a*, constructed with inclined flanges
10 *e e* and *i i* and side opening *f*, thereby form-

ing a groove closed at its upper end for the retention of a roll of paper in a locked position within such arms and enabling it to always impinge upon the back of the fixture or wall upon which the brackets are placed, 15 substantially as described.

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