

(No Model.)

T. A. WATSON.
Telephone Stands.

No. 232,787.

Patented Sept. 28, 1880.

Fig:1.

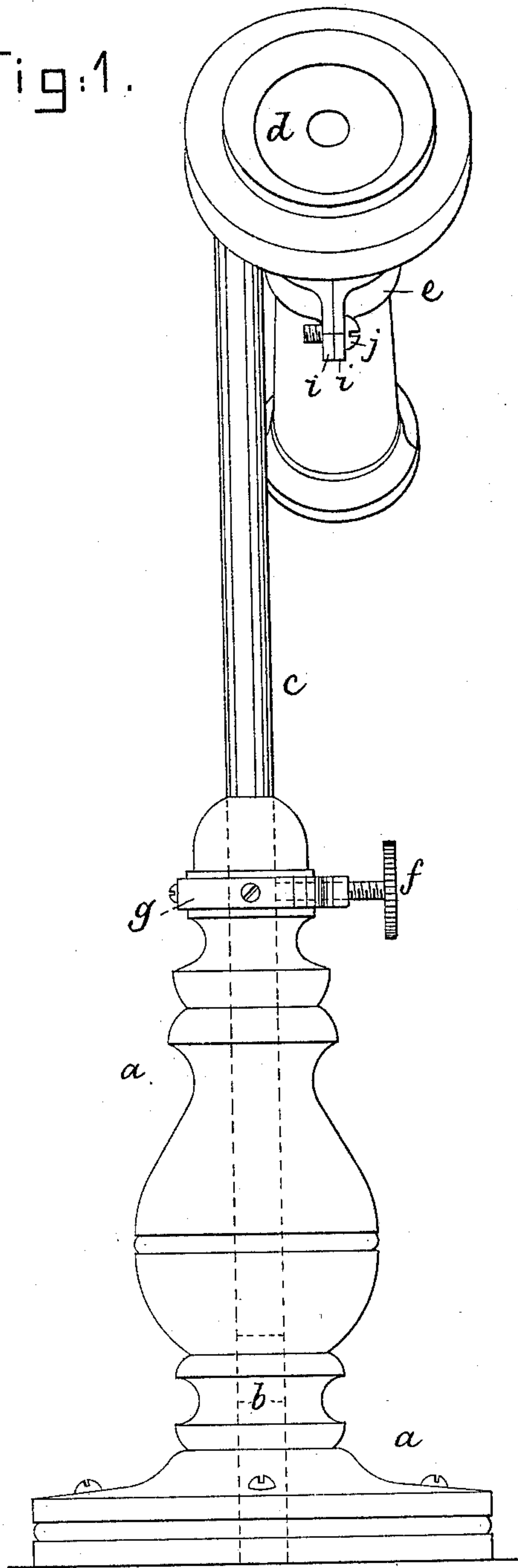
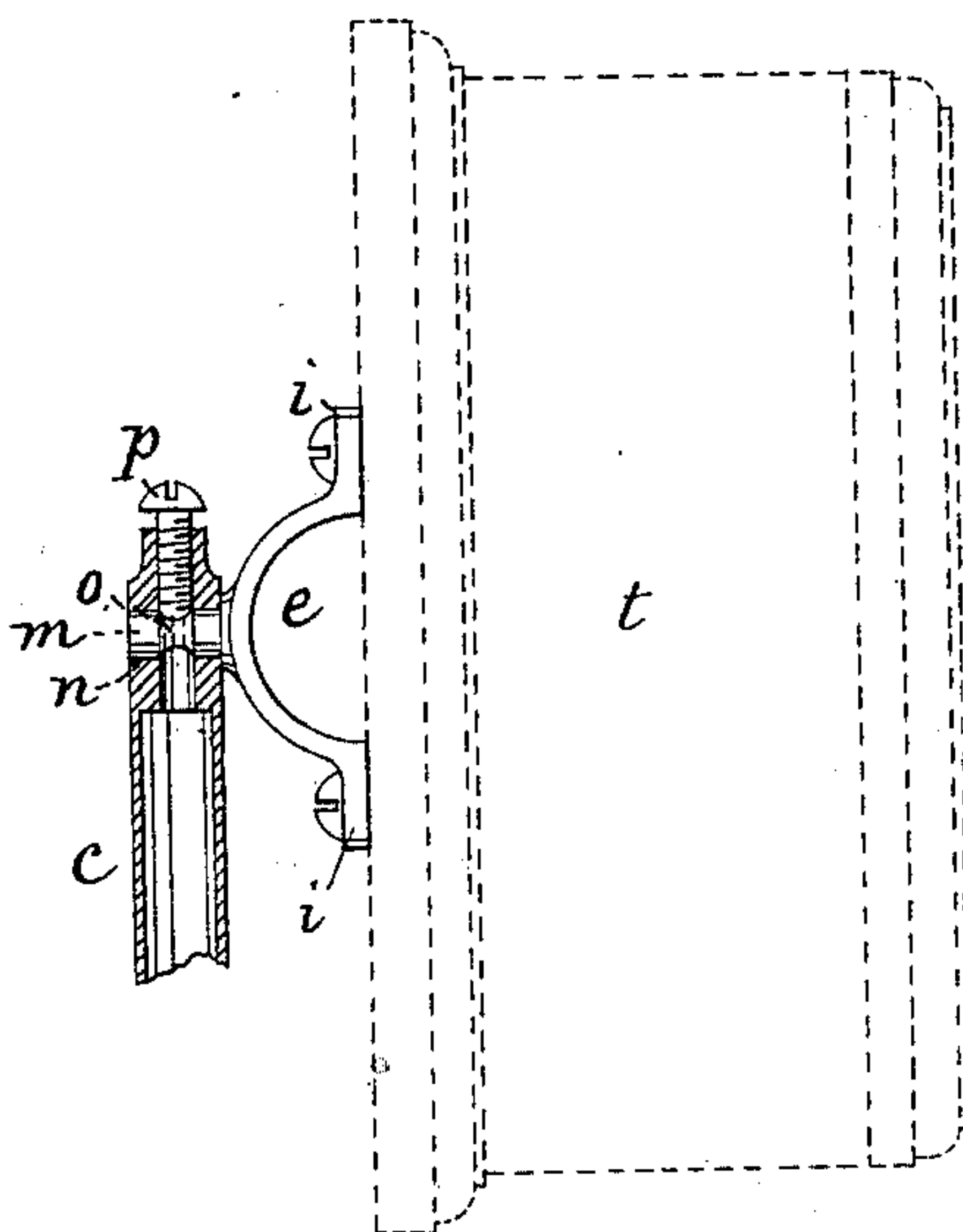


Fig:2.



Witnesses.

Arthur Reynolds.

Laurence F. Connor.

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Thomas A. Watson.
by Crosby & Gregory Attys.

UNITED STATES PATENT OFFICE.

THOMAS A. WATSON, OF EVERETT, MASSACHUSETTS.

TELEPHONE-STAND.

SPECIFICATION forming part of Letters Patent No. 232,787, dated September 28, 1880.

Application filed June 17, 1880. (No model.)

To all whom it may concern:

Be it known that I, THOMAS A. WATSON, of Everett, county of Middlesex, State of Massachusetts, have invented an Improvement in Telephone-Stands, of which the following description, in connection with the accompanying drawings, is a specification.

My invention relates to a stand for telephones, and has for its object to enable the telephone to be readily placed and held in any position convenient for the operator using it.

When a telephone has to be constantly in use for any length of time it is very tiresome to hold it in the hand in the usual manner for short communication, and if the telephone were fixed on a support in proper position for one operator it might not be in suitable position for another operator who might afterward have to use it, as in the case of the operators at central offices of telephone-exchange systems. The usual receiving-telephones have to be held close to the ear, or if the telephone is held in a fixed support the ear has to be placed close to it, so that if it were held continuously in the same position, no matter how convenient, the listener would soon become wearied, and it is consequently desirable to enable the position to be changed from time to time without any care or thought on the part of the operator. This I am enabled to do by my invention, which consists in providing a clamp suitable to hold a hand-telephone of common construction, the said clamp being attached to a stand, so as to allow the said telephone to be readily placed in any position convenient for the operator, the said clamp being herein shown as pivoted at the top of a rod or standard, which may be adjusted as to height and turned in its socket in a base to be connected to the operator's table.

Figure 1 is an elevation of a stand constructed in accordance with my invention supporting a hand-telephone; and Fig. 2, a detail, showing the upper portion of the standard in section with the clamp therein, and also showing a battery-transmitter connected with the said clamp.

The base portion *a*, adapted to be secured to a table or other desired fixture by screws or otherwise, is provided with a central tubular passage or socket, *b*, to receive the standard or supporting-rod *c* and permit the said rod to be

raised or lowered therein to properly adjust the height of the telephone, which may be held in the clamp *e* at top of said standard. The standard *c* is also adapted to turn freely in its socket *b* to place the clamp *e* in any desired angular position to enable the telephone to be turned at any desired angle in a horizontal plane. When placed at the proper height, and with the clamp *e* extending therefrom at the proper angle, the said standard is fastened, to prevent further movement, by the fastening device, (shown as a thumb-screw,) *f*, in a ring, *g*, at the top of the base *a*.

The clamp or telephone-holder *e* is made as a divided ring, the two portions whereof are of suitable size to embrace the handle portion of the telephone and hold it securely, they being provided with lugs *i*, to enable them to be closed upon the telephone by screws *j*. The said clamp *e* is provided with a pivot, *m*, extended into a socket, *n*, at the upper end of the standard *c*, and provided with a groove, *o*, to receive the point of a screw, *p*, the clamp turning in the said socket, and thus enabling the telephone, or mouth-piece thereof, to be placed at any desired angle by rotating the clamp *e* in its socket *n* and the standard *c* in the base *a*, the two rotations giving a universal angular movement.

The screw *p* prevents the pivot *m* of the clamp *e* from being withdrawn from its socket *n*, and at the same time may be turned in to give the pivot *m* sufficient friction in said socket to cause it to remain in any position in which it may be placed; and as the usual adjustments of the mouth-piece to the ear of the operator are in a vertical plane, this free movement of the pivoted clamp *e* in its socket *n* enables the operator to constantly adjust the mouth-piece without any care or thought, the mouth-piece, apparently by its own movement, coming to the proper position.

In Fig. 2 one portion of the holder *e* is removed and a battery-transmitter, *t*, of usual construction, is shown in dotted lines as connected with the other pivoted portion by the lugs *i*.

As a transmitter does not need to be adjusted as to angular position in a vertical plane, it might be connected rigidly with the standard *c*, which would give the desired adjustment as to height and angle in a horizontal plane.

I am aware that a supporting-bracket has been made for a transmitter capable of being swung to any desired position in a single vertical plane, but not admitting of a universal angular adjustment of the mouth-piece.

I claim—

1. A telephone-stand consisting of a telephone clamp or holder and a standard therefor, the said standard and holder being adjustable as to height and angular position to enable a telephone to be supported at any desired height and angle to suit the user, substantially as described.

2. In a telephone-stand, a standard and telephone clamp or holder pivoted to turn therein, the said standard being itself free to turn and adjustable as to height to enable an operator to place a telephone at any desired angular position and height, substantially as described.

3. In a telephone-stand, a base and a standard adapted to be moved longitudinally and turned therein, and a holding device to fasten it in any desired position, combined with a

telephone-holder upon the said standard, substantially as described.

4. In a telephone-stand, a standard adjustable as to height and capable of being rotated, and a clamp or holder for a receiving-telephone pivoted in the said standard, the pivot thereof having an annular groove, combined with a screw in the said standard to enter the said groove and bear upon the pivot with a slight friction, to prevent the said pivot from being withdrawn from its socket, and to enable a telephone in the said clamp to be turned to any desired angle and remain so until again positively moved, substantially as and for the purpose described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

THOMAS A. WATSON.

Witnesses:

JOS. P. LIVERMORE,
N. E. C. WHITNEY.