No. 750,582. PATENTED JAN. 26, 1904.

J. S. BRENNAN.

RADIATOR CONNECTION.

APPLICATION FILED NOV. 19, 1903.

NO MODEL.

Fig. 1.

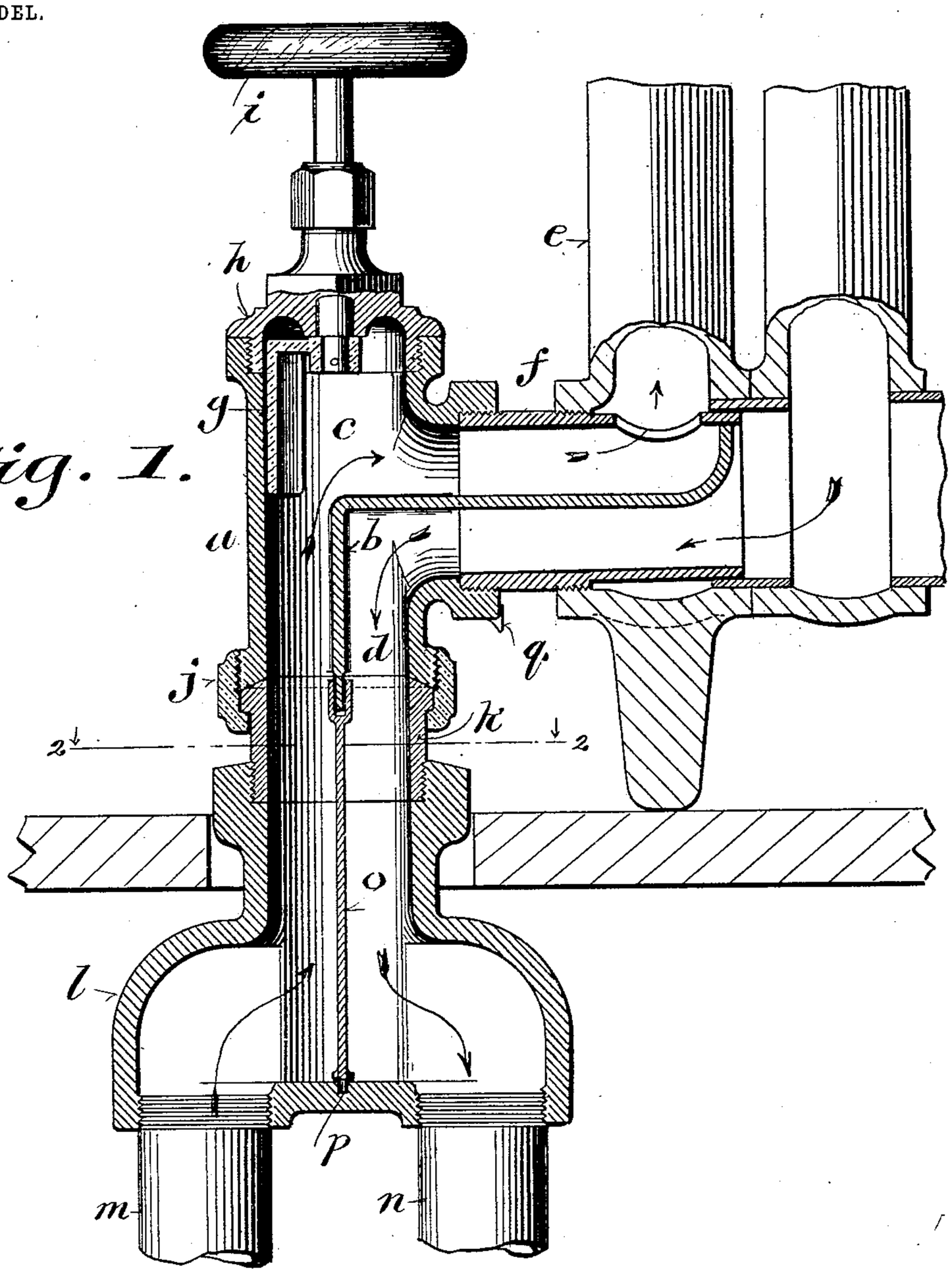
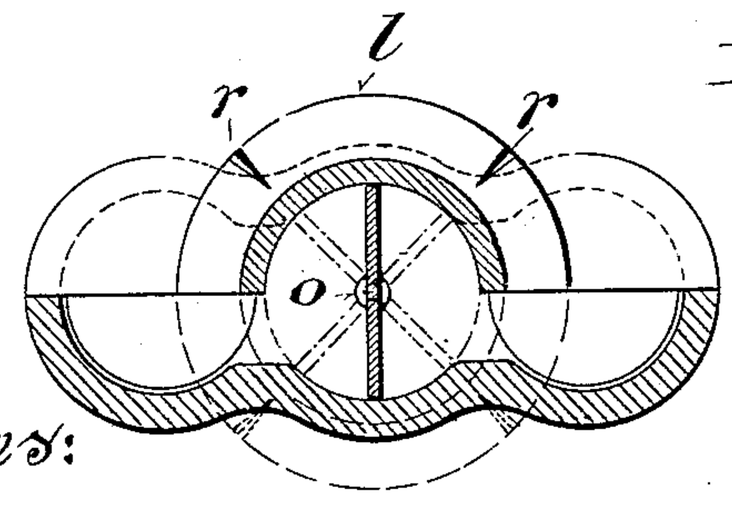


Fig. 2.



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No. 750,582. Patented January 26, 1904.

UNITED STATES PATENT OFFICE.

JOHN S. BRENNAN, OF MILWAUKEE, WISCONSIN.

RADIATOR CONNECTION.

SPECIFICATION forming part of Letters Patent No. 750,582, dated January 26, 1904.

Application filed November 19, 1903. Serial No. 181,809. (No model.)

To all whom it may concern:

Be it known that I, JOHN S. BRENNAN, a citizen of the United States, residing at Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Radiator Connections, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof.

This invention relates particularly to hot-water radiators. Its main objects are to permit swinging a radiator away from a wall for the purpose of finishing, repairing, cleaning, or the like behind it without interrupting or interfering with the circulation of the heating medium and to facilitate the connection of the radiator with the supply and return pipes.

It consists in certain novel features of construction and in the peculiar arrangement and combinations of parts, as hereinafter particularly described, and pointed out in the claims.

In the accompanying drawings like letters designate the same parts in both figures.

Figure 1 is a vertical central section of a portion of a radiator and of a radiatior connection embodying my invention; and Fig. 2 is a horizontal section, the upper half of which is taken in a plane indicated by the line 2 2, Fig. 1, the lower half of the section being taken in a plane below.

a designates an elbow divided by a partition *b* into inlet and outlet passages *c* and *d*. The horizontal arm of the elbow is screwed into the opening in the lower part of a radiator *e* or is connected therewith by a nipple *f*, the partition *b* extending through the first section of the radiator and cutting off the other sections from the inlet-passage *c*. The inlet-passage *c* is provided with a valve *g*, the stem of which passes through a removable cap *h* at the upper end of the vertical arm of the elbow and is provided with a handle *i*. To the lower end of the vertical arm of the elbow is swiveled, by means of an internally-threaded collar *j* and a flanged nipple *k*, the upper cylindrical part of a hollow head *l*. This head is expanded at its lower end and provided on opposite sides with threaded inlet and outlet openings for the attachment of the supply and return pipes *m* and *n*. Between these openings a partition *o* is fitted to turn in the cylindrical part of said head and is adapted to be coupled or attached at its upper end to the partition *b*, of which it forms a continuation. To guide and hold the partition *o* in place and facilitate its turning, it may be provided at its lower end with a central pintle *p*, which has a bearing in the bottom of the head *l*.

To indicate how far a radiator may be turned without affecting its inlet and outlet connections, the elbow *a* may be provided with an index or mark *q* and the upper end of the head *l* with marks *r*, determining the limits within which the partition *o* may be turned in the head *l* without establishing communication between the inlet and outlet passages therein.

The trouble and annoyance incident to setting and connecting a radiator with two pipes in or above the floor in the usual way are avoided by my improved connection, which requires but a single round opening to be bored in the floor and a single coupling to be made in or above the floor.

Various changes in the minor details of construction of the device may be made within the intended scope of the invention.

I claim—

1. A connection for radiators consisting of an elbow divided by a partition into two passages and of a head swiveled to said elbow and having inlet and outlet connections and a pivoted partition between them attached to and forming an extension of the partition in said elbow, substantially as described.

2. A connection for radiators consisting of an elbow divided by a partition into inlet and outlet passages and provided with a valve in one passage, and of a hollow head, swiveled to said elbow and provided with inlet and outlet connections and between them with a movable partition attached to and forming an extension of the partition in said elbow, substantially as described.

3. A connection for radiators comprising an elbow having separate inlet and outlet passages, a valve controlling one of said passages, a hollow head having a cylindrical part swiveled to said elbow and provided with a partition movable therein between inlet and

outlet openings and arranged to form a continuation of the passages in said elbow, said elbow and head having marks to indicate how far the elbow may be turned without bringing the inlet and outlet passages into direct communication with each other, substantially as described.

4. A connection for radiators comprising an elbow divided by a partition into two passages and provided with a valve in one of said passages, a head having a cylindrical part swiveled to said elbow and provided on opposite sides with inlet and outlet connections, and a partition fitted to turn in said cylindrical part between said inlet and outlet connections and forming a continuation of the partition in said elbow, substantially as described.

In witness whereof I hereto affix my signature in presence of two witnesses.

JOHN S. BRENNAN.

Witnesses:
CHAS. L. GOSS,
MAUDE L. EMERY.