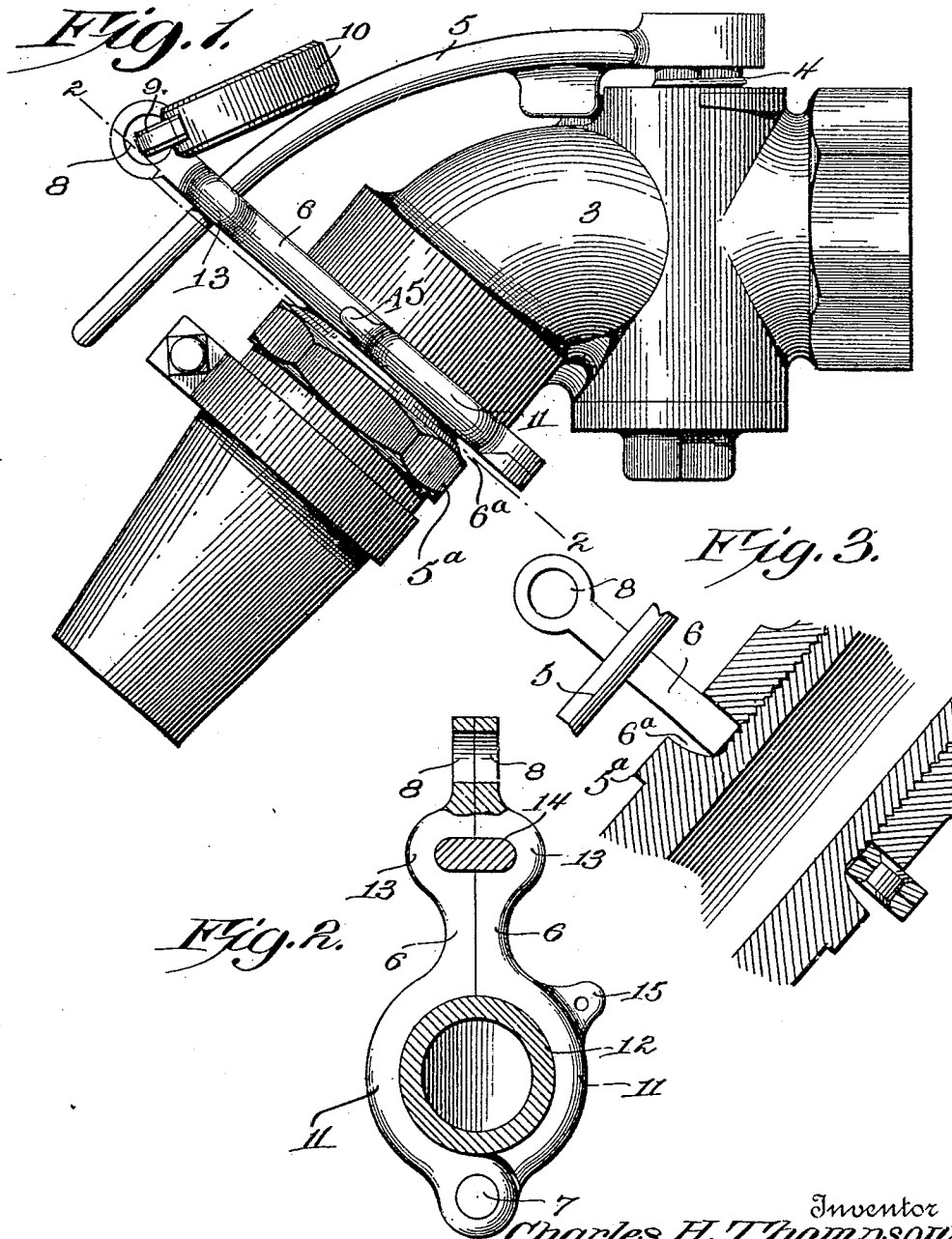


No. 852,303.

PATENTED APR. 30, 1907.

C. H. THOMPSON.
LOCK FOR STOP COCKS.
APPLICATION FILED JULY 30, 1906.



Witnesses
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1907

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UNITED STATES PATENT OFFICE.

CHARLES H. THOMPSON, OF MUNCIE, INDIANA.

LOCK FOR STOP-COCKS.

No. 852,303.

Specification of Letters Patent.

Patented April 30, 1907.

Application filed July 30, 1906. Serial No. 328,409.

To all whom it may concern:

Be it known that I, CHARLES H. THOMPSON, a citizen of the United States, residing at Muncie, in the county of Delaware and State of Indiana, have invented a new and useful Lock for Stop-Cocks, of which the following is a specification.

The invention relates to means for locking the stop cocks of air pipes, and the like against accidental or unwarranted movement, and the principal object is to provide an exceedingly simple article of this character, which can be readily applied to the ordinary type of structure, will constitute an effective lock for preventing the turning of the valve or cock, and can be easily detached if desired.

The preferred form of construction is shown in the accompanying drawings, wherein—

Figure 1 is a side elevation of the turn cock of an air brake pipe, showing the locking means applied thereto. Fig. 2 is a cross sectional view on the line 2—2 of Fig. 1. Fig. 3 is a longitudinal sectional view through a portion of the structure.

Similar reference numerals designate corresponding parts in all the figures of the drawings.

The cock may be of any well known form or structure, and includes a casing 3, having a turning valve or plug 4 therein, which is operated by a handle crank 5 arranged to extend longitudinally of the casing. A coupling 5^a, connected to one end of the casing 3, has an enlarged portion spaced from the end of said casing, forming therewith, an annular channel 6^a.

The locking device consists of a pair of jaws 6, pivotally connected at one end, as shown at 7, and having eyes or openings 8 at their other ends, adapted to receive the hasp 9 of a padlock 10. The portions of the jaws, contiguous to the pivoted ends, are bowed outwardly, as shown at 11 and thereby form a pipe-receiving seat 12 that is located partly in each jaw. The portions of the jaws, contiguous to their free ends, are bowed or extended outwardly, as shown at 13 to form a transverse handle-receiving seat 14 that is also located partially in each jaw, extending entirely through the same, and receiving the handle 5. One of the jaws may furthermore be provided with an ear 15 to receive a holding chain or cord that will prevent the device being lost when not in use.

As clearly shown in the drawings, to lock the stop cock against rotation, the jaws are arranged so that they will embrace both the pipe and the handle, said pipe and handle being respectively received in the seats 12 and 14, and the bowed portions 11 being received in the channel 6^a. A suitable padlock or other fastener is then engaged in the eyes 8, and effectively secures the jaws together. When so arranged, it will be evident that the handle will be positively locked against rotation, and the stop cock is thus maintained against accidental or unwarranted operation. Moreover, the locking device being located in the channel is held against movement longitudinally of the pipe.

From the foregoing, it is thought that the construction, operation, and many advantages of the herein described invention will be apparent to those skilled in the art, without further description, and it will be understood that various changes in the size, shape, proportion, and minor details of construction, may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is:—

1. A locking device of the character described, comprising relatively movable pipe-embracing jaws having a transversely disposed handle-receiving seat between them, said seat being formed partly in each jaw and comprising transversely coacting sockets arranged in their inner opposed faces and extending entirely across said faces from edge to edge, and means for securing the jaws together.

2. A locking device of the character described, comprising hingedly connected jaws having outwardly bowed portions contiguous to one end, forming a transverse pipe-receiving seat, and outwardly bowed portions contiguous to the other end, forming a transverse handle-receiving seat, said jaws having abutting portions between the seats and also having lock-receiving eyes or openings.

3. In a locking device of the character described, the combination with the pipe, of a turning valve located therein and having an offset handle adapted to be placed longitudinally of the pipe, said pipe being provided with an annular channel disposed at one side

of the valve, and a locking device comprising jaws that embrace the pipe at one side of the valve and are located in the channel, said jaws also embracing the handle of the turning valve.

4. In a locking device of the character described, the combination with a pipe having an annular channel formed in its outer side, of a turning valve located in the pipe at one side of the channel and having a handle that is movable to a position longitudinally of the pipe and transversely of the annular channel, and a locking device located at one side

of the valve and comprising hinged jaws, said jaws being provided with pipe receiving and handle receiving seats and engaging in the annular channel, and a lock for holding the jaws together.

In testimony, that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

CHARLES H. THOMPSON.

Witnesses:

ANNIE E. CURRY,
W. D. WHITNEY.