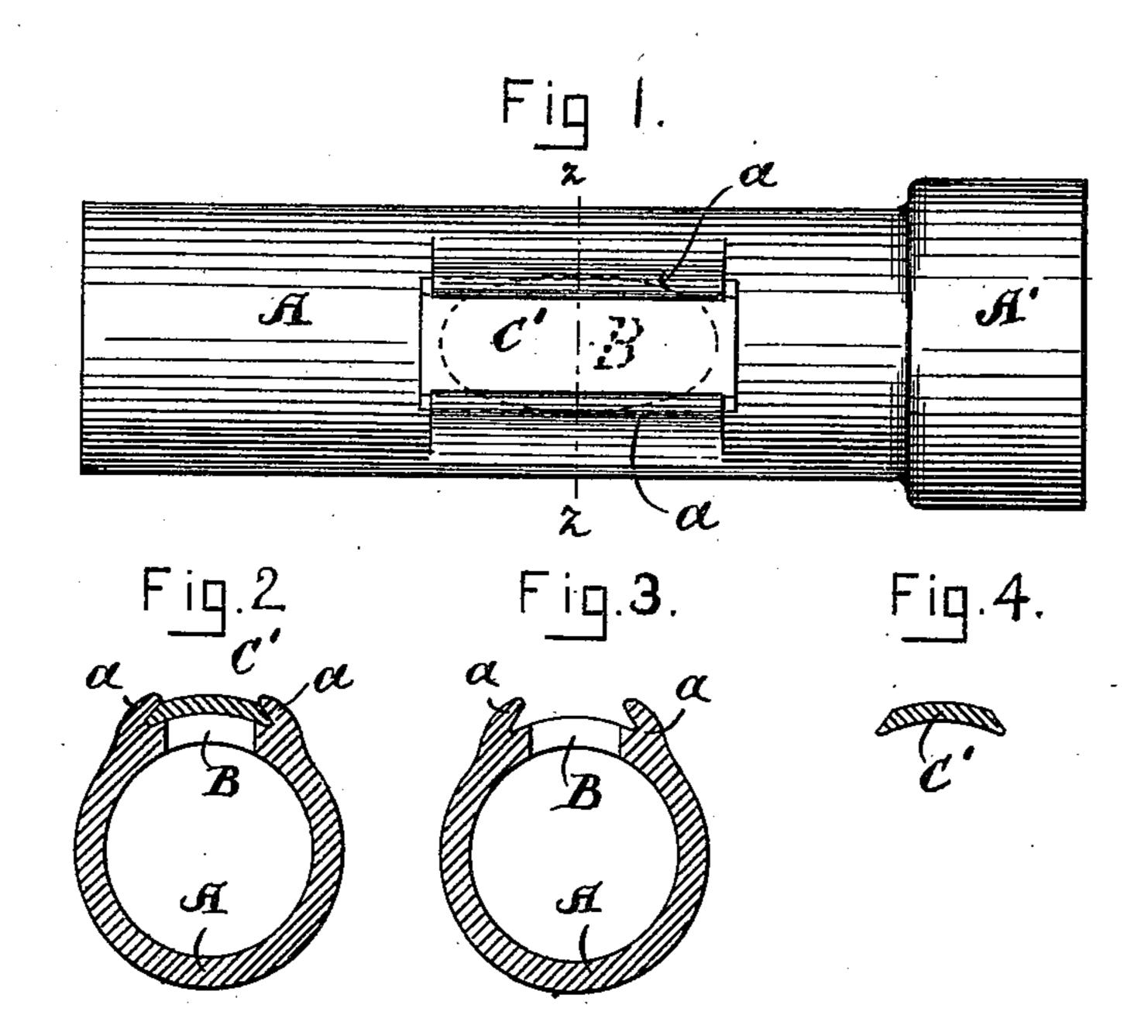
(No Model.)

H. W. LIBBEY
SEWER PIPE.

No. 465,936.

Patented Dec. 29, 1891.



Mixmerses: Albert R. Beddall

Darventor.
Blanta
by & duin Blanta
attorney.

United States Patent Office.

HOSEA W. LIBBEY, OF BOSTON, MASSACHUSETTS.

SEWER-PIPE.

SPECIFICATION forming part of Letters Patent No. 465,936, dated December 29,1891.

Application filed November 19, 1889. Serial No. 330,840. (No model.)

To all whom it may concern:

Be it known that I, Hosea W. Libbey, a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Sewer-Pipes, of which the following, taken in connection with the accompanying drawings, is a specification.

The object of my invention is to produce a sewer-pipe in which access can readily be had to the inside of the pipe for removing obstructions, or for other purposes, without breaking the pipes; and the invention consists in a sewer-pipe having an oblong or oval opening and a cover that fits over the said opening, as hereinafter fully described, and pointed out in the claim.

Referring to the accompanying drawings, Figure 1 represents a plan or top view of a sewer-pipe embodying my invention. Fig. 2 is a transverse section taken on line zz. Fig. 3 is a similar section with the cover removed, and Fig. 4 is a cross-section of the cover.

A represents a sewer-pipe with a socket A'
25 at one end. At or about the center of the
length of the pipe I form an oblong or oval
opening B, which, when the pipe is laid, is at
the top of the pipe A. A longitudinal dovetailed projection a is formed on each side of
30 the opening B, and the cover C' is formed
with beveled edges on each side to fit into the
said dovetailed projections a, so that when
the cover is in position on the pipe to cover
the opening B it is held by the said dovetailed
35 projection a, and is not dependent upon the
weight of the earth above it to keep it in po-

sition. It will be seen that should any obstruction occur in a sewer fitted with pipes constructed according to this invention when the earth has been removed from above the 40 pipes the covers can readily be taken off, thereby rendering access to the interior of the sewer, so that any obstruction can be removed and the cover replaced. I prefer to construct the sewer with all the pipes embody-45 ing my invention, as then access can be had to the interior of the sewer at short intervals; but, if preferred, pipes thus constructed may be inserted only at desired intervals in connection with ordinary sewer-pipes.

What I claim as my invention is—
A sewer-pipe having an opening in its side
and two straight longitudinal ribs, one upon
each side of the opening, and substantially
parallel with each other, each of said ribs 55
having its inner edge overhanging the base,
which is beyond the edge of the opening, and
a rectangular cover conforming upon its interior with the exterior surface of the pipe,
and having its edges adapted to be slipped 60
longitudinally under the overhanging portions of the ribs and close the opening in the
pipe, substantially as described.

In testimony whereof I have signed my name to this specification, in the presence of 65 two subscribing witnesses, on this 20th day of September, A. D. 1889.

HOSEA W. LIBBEY.

Witnesses:
CHAS. STEERE,
EDWIN PLANTA.