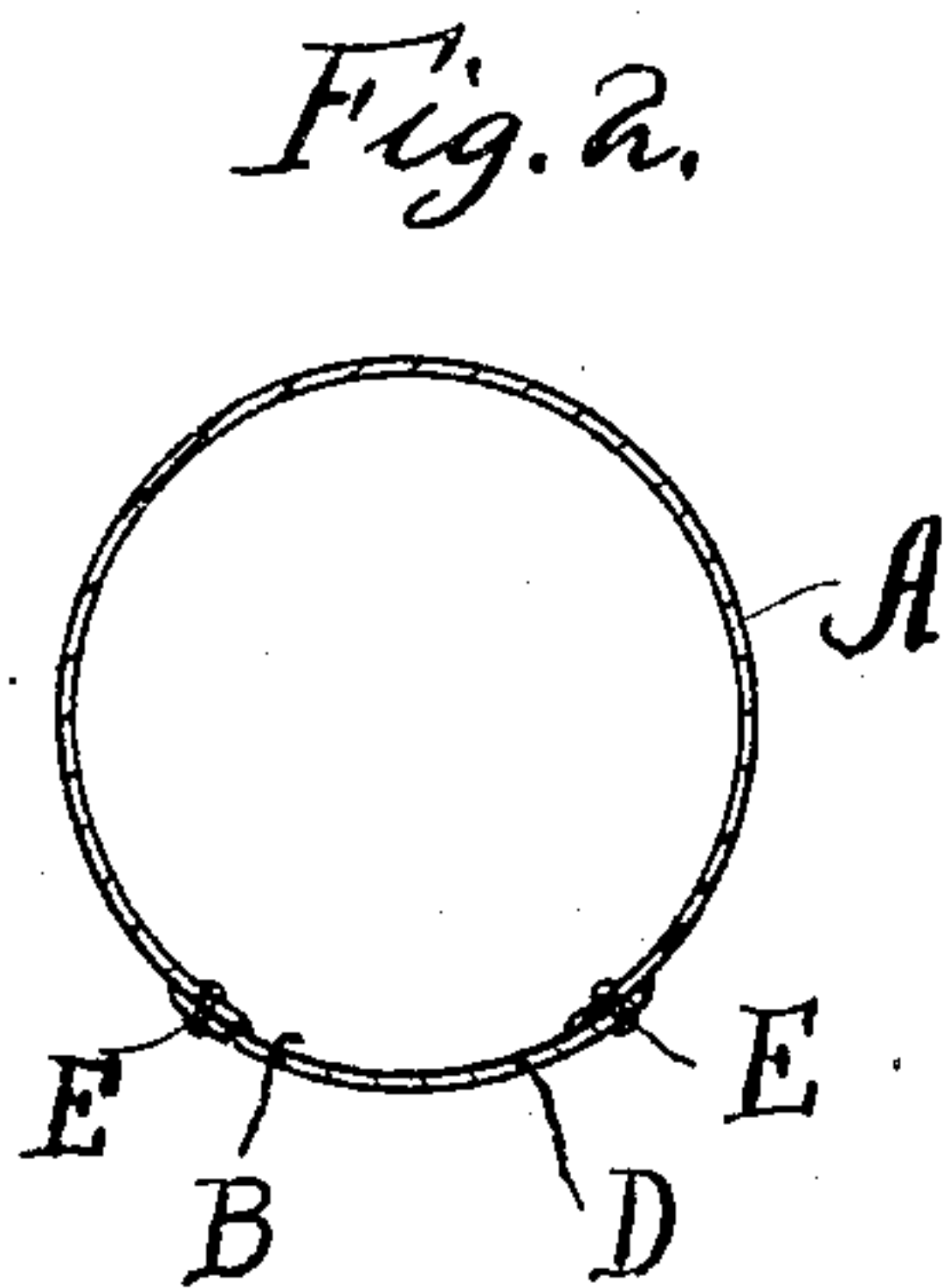
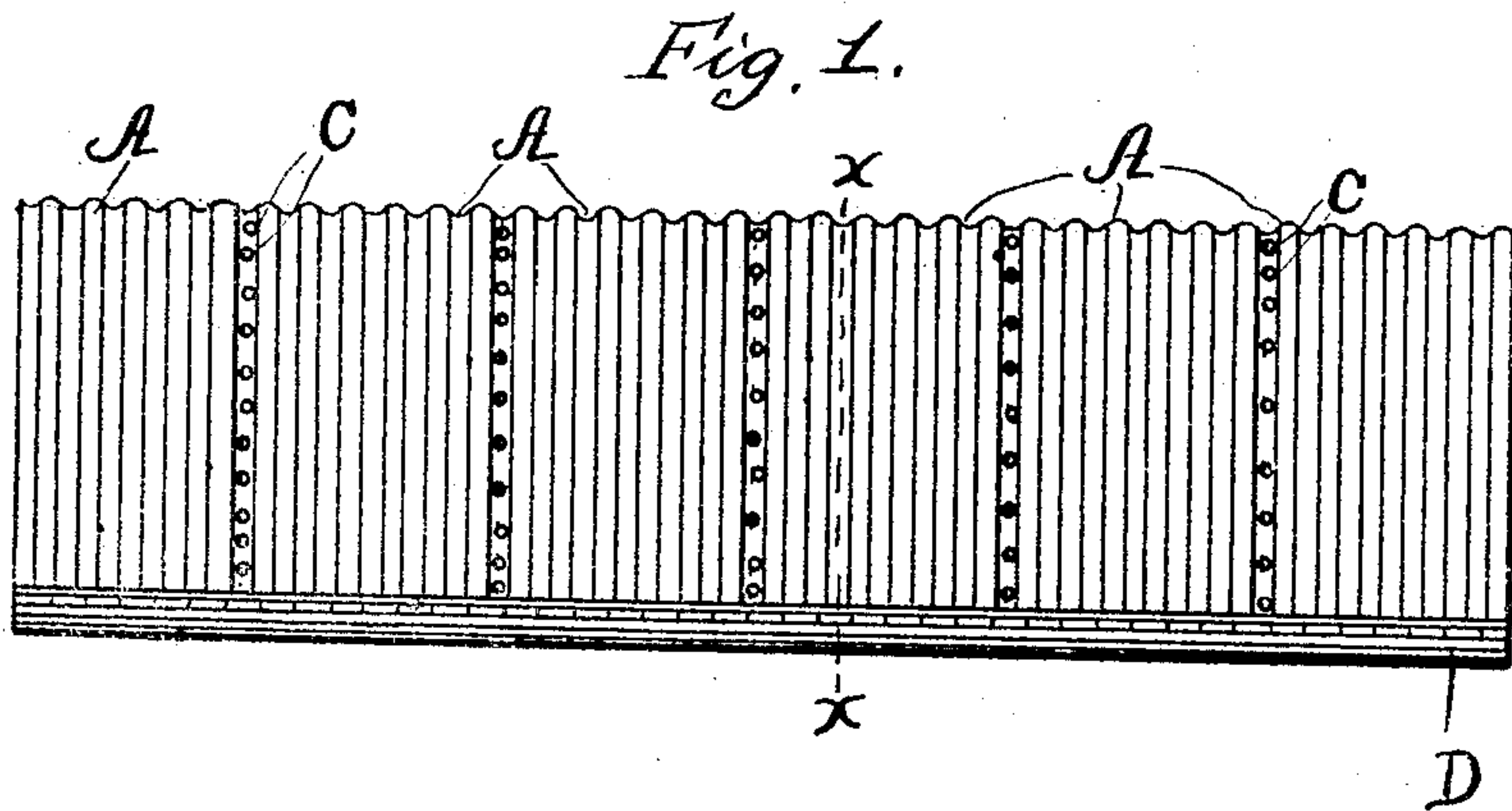


H. MALLERY.
CORRUGATED METALLIC CULVERT.
APPLICATION FILED JUNE 10, 1908.

914,963.

Patented Mar. 9, 1909.



WITNESSES

S. M. Gallagher
E. N. Schofield

INVENTOR

Howard Mallery

BY

W. P. Williamson

ATTORNEY

UNITED STATES PATENT OFFICE.

HOWARD MALLERY, OF OWEGO, NEW YORK.

CORRUGATED METALLIC CULVERT.

No. 914,963.

Specification of Letters Patent.

Patented March 9, 1909.

Application filed June 10, 1908. Serial No. 437,629.

To all whom it may concern:

Be it known that I, HOWARD MALLERY, a citizen of the United States, residing at Owego, county of Tioga, and State of New York, have invented a certain new and useful Improvement in Corrugated Metallic Culverts, of which the following is a specification.

My invention relates to new and useful improvements in corrugated metallic culverts, and has for its object to provide an exceedingly simple and effective device of this character which may be made up of a number of sections out of separate sheets of metal, these sheets being corrugated and curved, to these sections are riveted or bolted a smooth bottom plate, which acts as a bottom for the culvert and also as a closure.

With these ends in view this invention consists in the details of construction and combination of elements hereinafter set forth and then specifically designated by the claim.

In order that those skilled in the art to which this invention appertains may understand how to make and use the same, I will describe its construction in detail referring by letter to the accompanying drawing forming a part of this specification, in which—

Figure 1, is a side elevation of a number of sections, which go to make up the culvert, fastened together. Fig. 2, a section at the line X—X of Fig. 1.

In carrying out my invention as here embodied, A represents a number of sections which are made up of corrugated sheet metal so curved as to form the arc of the circle, thus leaving an opening B between the ends of these plates, which when in position will be in the bottom of the culvert. These sections A are held together by rivets or bolts C as used in all ordinary iron works.

D indicates a bottom or closure plate, the length of which is equal to a number of the sections A and this is placed over the opening B and secured to the sections A by rivets or bolts, the ends of the sections A are then hammered flat against the closure or bottom plate D or a plastic material may be used to close the openings formed by the corrugations resting against the bottom or closure plate for preventing water or other substances from leaking out and this bottom or closure plate D being smooth forms a bottom over which water or solid substances contained in the water may readily run. This prevents the culvert from becoming choked or stopped up.

Of course I do not wish to be limited to the exact details of construction here shown, as these may be varied within certain limits without departing from the spirit of my invention.

Having thus fully described my invention what I claim as new and useful is—

In a metallic culvert comprising a number of corrugated sheet metal plates so bent as to form an arc of a circle thus leaving an opening at the bottom thereof, smooth bottom or closure plates bent to form the other arc of the circle, and rivets for securing said bottom plates over the opening left between the edges of the corrugated plates, as shown and described.

In testimony whereof, I have hereunto affixed my signature in the presence of two subscribing witnesses.

HOWARD MALLERY.

Witnesses:

F. A. DARROW,
JOHN T. GORMAN.