

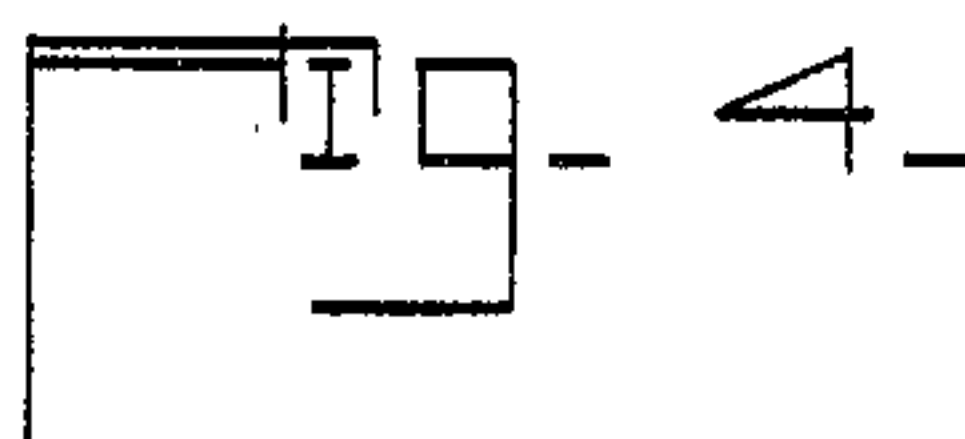
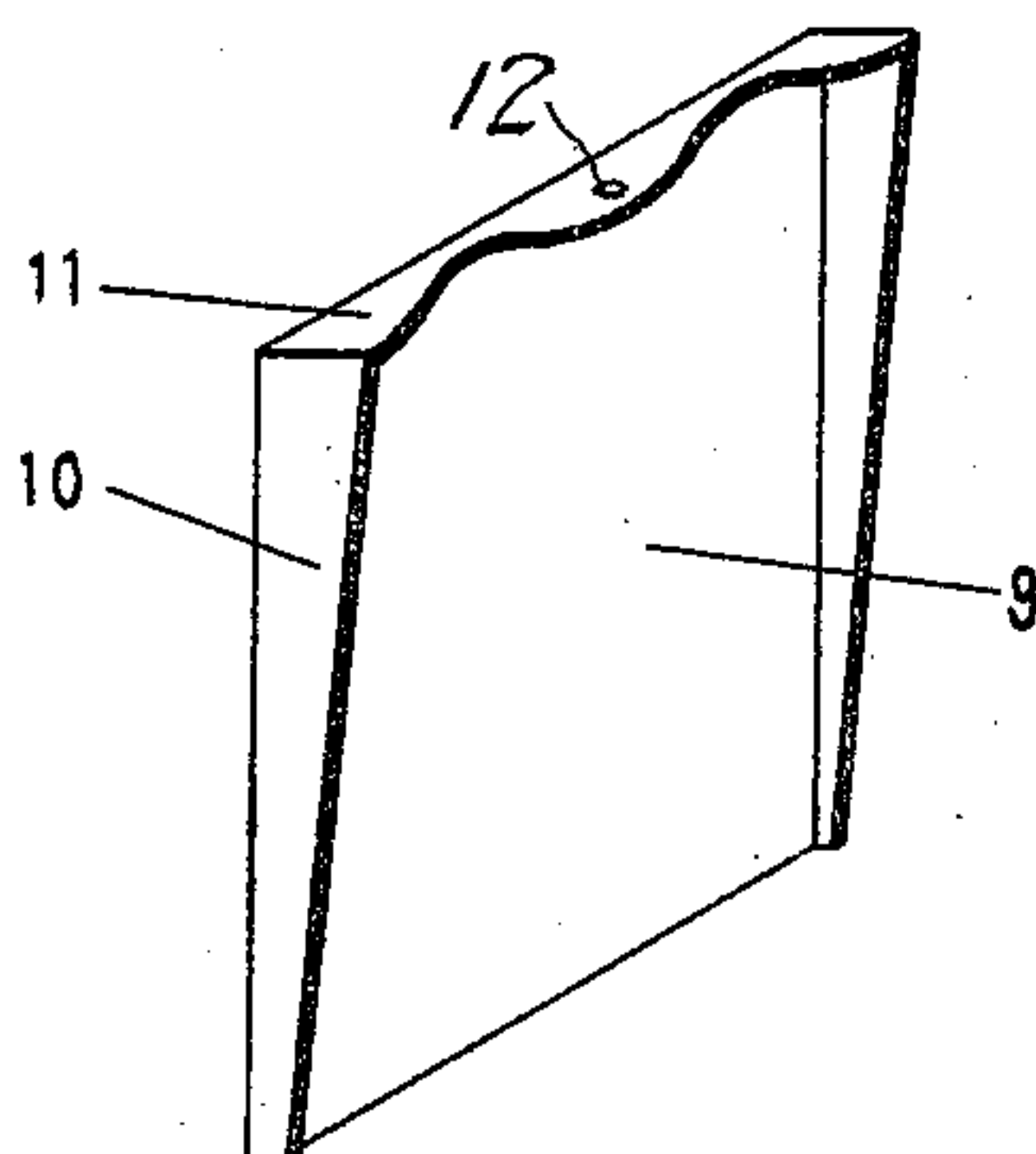
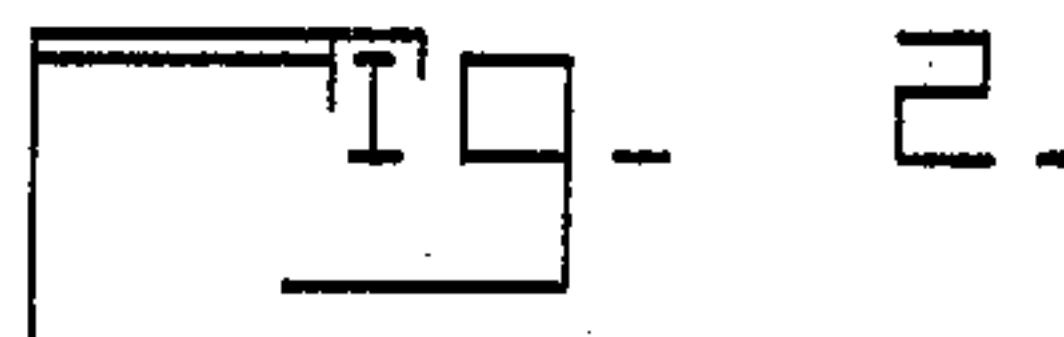
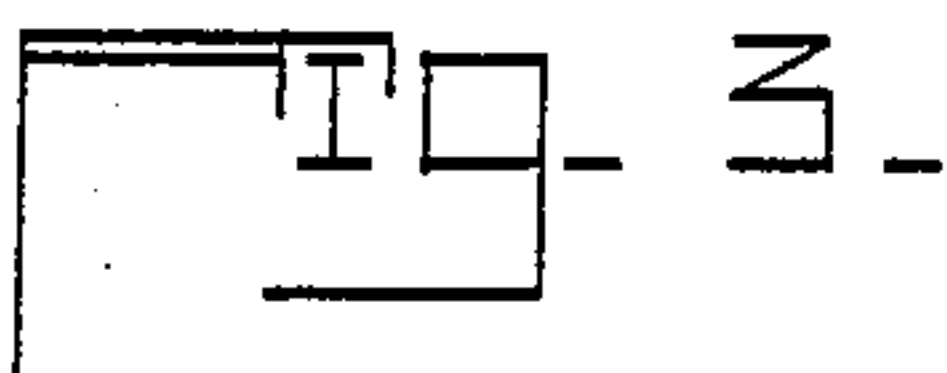
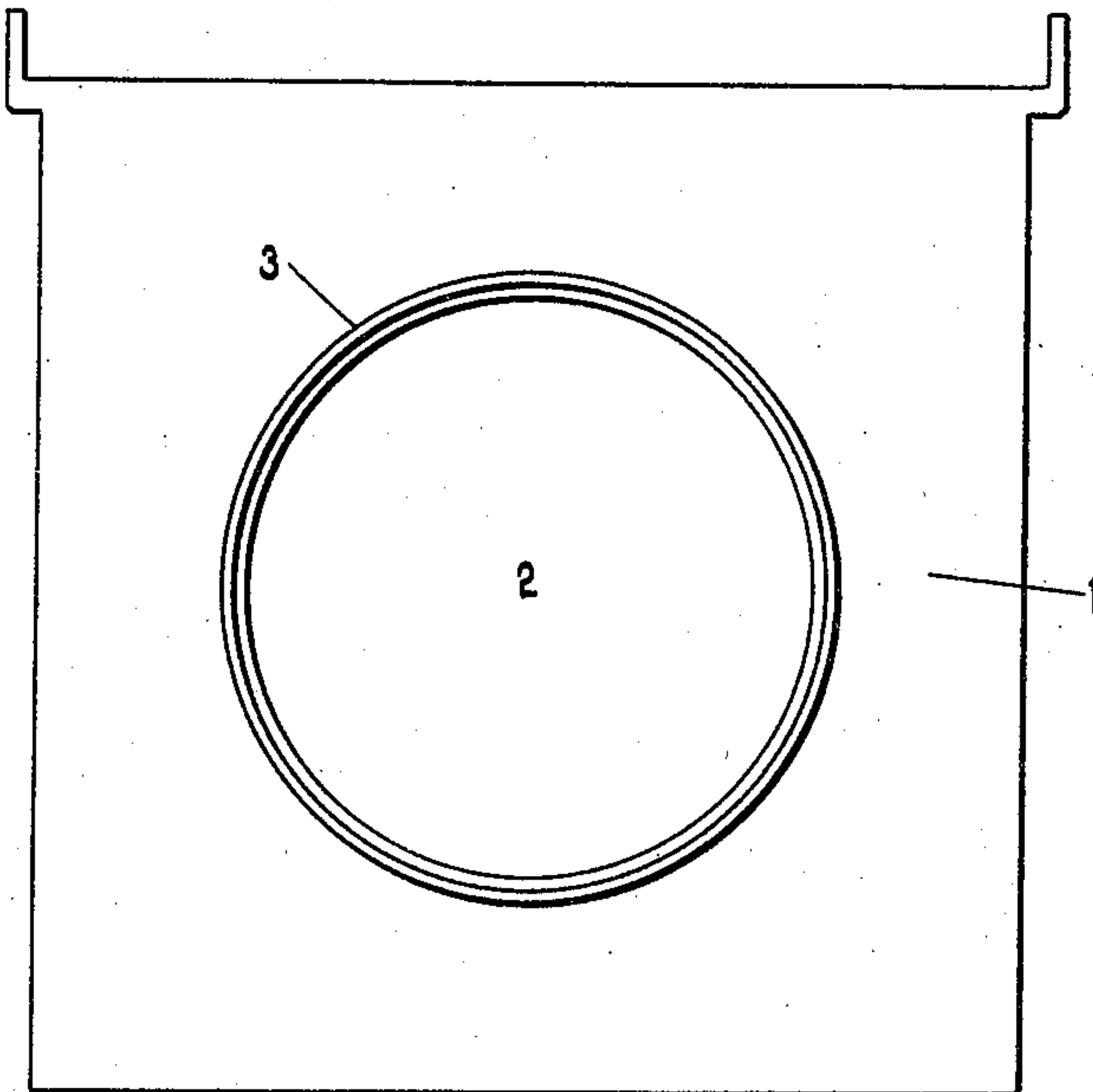
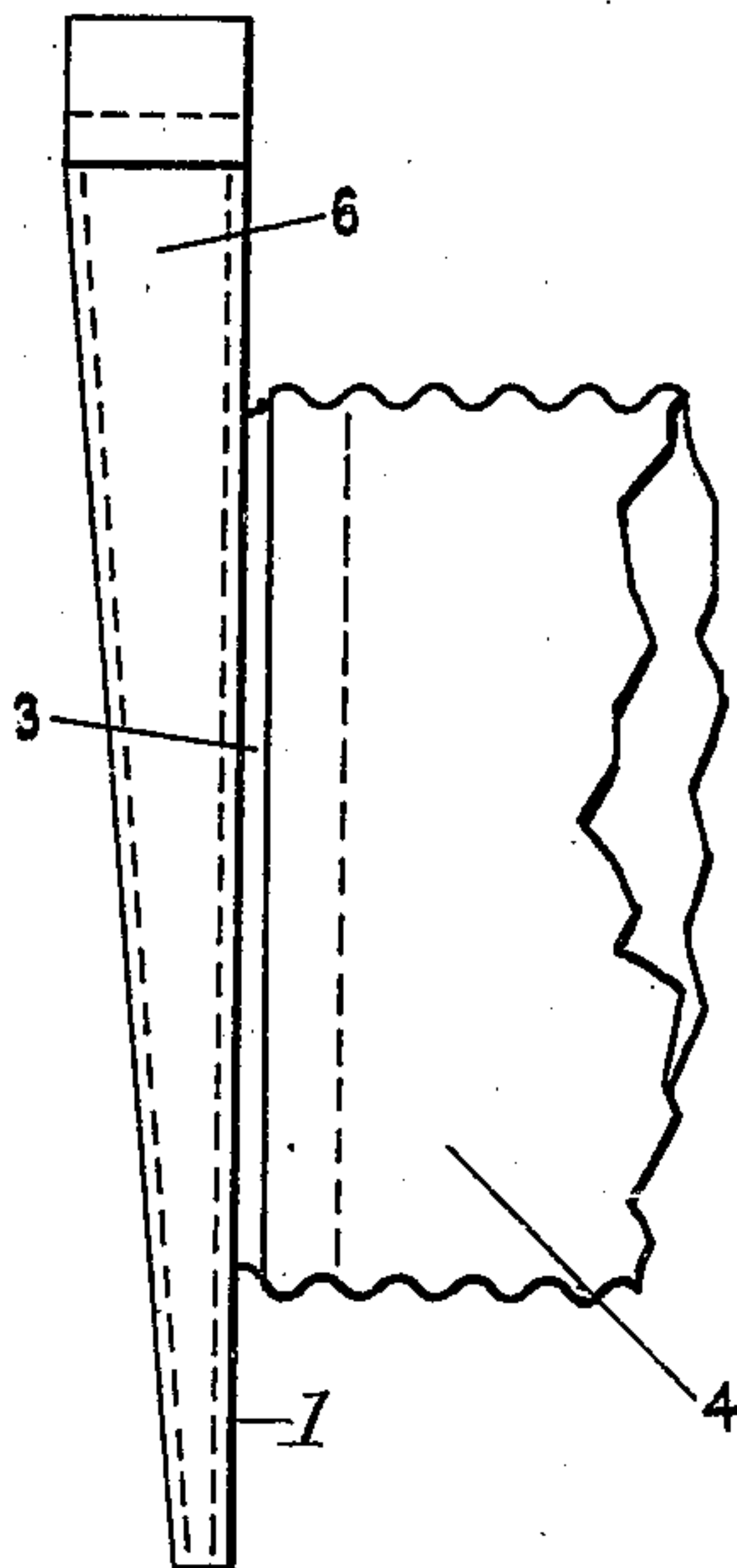
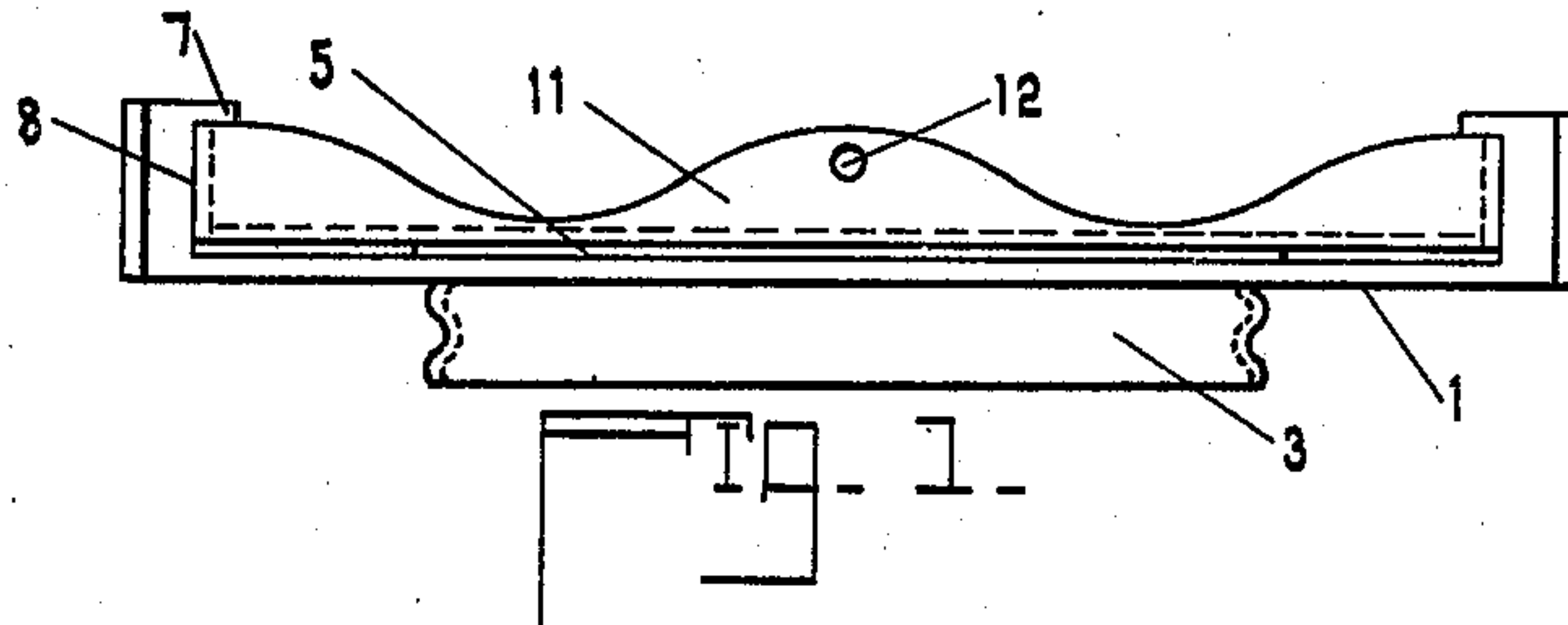
W. M. CREAGER & T. C. HARRY.

SLUICE GATE.

APPLICATION FILED JAN. 15, 1910.

975,400.

Patented Nov. 15, 1910.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM M. CREAGER AND THOMAS C. HARRY, OF DALLAS, TEXAS.

SLUICE-GATE.

975,400.

Specification of Letters Patent.

Patented Nov. 15, 1910.

Application filed January 15, 1910. Serial No. 538,307.

To all whom it may concern:

Be it known that we, WILLIAM M. CREAGER and THOMAS C. HARRY, citizens of the United States, residing at Wellborn and Alamo streets, Dallas, in the county of Dallas and State of Texas, have invented certain new and useful Improvements in Sluice-Gates, of which the following is a specification.

Our invention relates to new and useful improvements in sluice gates. Its object is to provide a sluice gate tapering from top to bottom and provided with a receiver of similar shape, the tapering construction causing the gate to become firmly seated when in its closed position.

A further object is to provide a sluice gate of the character described, which will be strong, durable, simple and efficient, and comparatively easy to produce, and also one in which the various parts will not be likely to get out of working order.

With these and various other objects in view, our invention has relation to certain novel features of the construction and operation, an example of which is described in the following specification, and illustrated in the accompanying drawing, wherein:

Figure 1 is a top view of the sluice gate in its receiver. Fig. 2 is a front view of the same. Fig. 3 is a side view of the sluice gate, a section of corrugated pipe being shown connected with the gate outlet. Fig. 4 is an isometric view of the gate separate from its receiver.

Referring now more particularly to the drawing, wherein like numerals of reference designate similar parts in all the figures, the numeral 1 denotes a rectangular metal plate which forms the body of the receiver, and 2 denotes the circular discharge outlet therein. Upon the front side of the plate 1, a corrugated collar 3 encircles the aperture 2, which collar is adapted to receive a corrugated discharge pipe 4. Upon the side of the plate 1 opposite to the side carrying the collar 3 a flange 5 encircles the aperture 2, forming a seat for the gate. This flange may either be made integral with the plate 1 or may be

made of some soft metal such as babbitt. From each side of the plate 1, downwardly tapering walls 6 extend rearwardly, said walls being provided at their rear extremities with inwardly projecting portions 7. Grooves 8 are thus formed, in which grooves the gate is vertically adjustable.

The gate is composed of a rectangular plate 9 provided with downwardly tapering side walls 10 connected at their upper extremities by a horizontal portion 11. An aperture 12 is provided in the portion 11 to receive means for raising and lowering the gate.

We are aware that changes may be made in the form and proportion of parts and details of the herein described device without departing from the spirit or sacrificing the advantages thereof, and we, therefore, reserve the right to make such changes and alterations in said device as fairly come within the scope of the following claims.

What we claim is:—

1. The combination with a sluice gate, tapering in construction from top to bottom, of a receiver for said gate, having a discharge outlet, and provided with downwardly tapering grooves to receive said gate, a collar encircling said outlet at one side of the receiver, and a flange encircling the aperture at the other side of the receiver, forming a seat.

2. The combination with a sluice gate having downwardly tapering walls at each side, of a receiver having a discharge outlet, downwardly tapering walls at each side of the receiver, inwardly extending portions at the rear extremity of said walls, a collar at the outlet side of the receiver adapted to receive a discharge pipe, and a seat for said gate at the inlet side of the receiver.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

WILLIAM M. CREAGER.
THOMAS C. HARRY.

Witnesses:

J. S. MURRAY,
EUGENIA HENSLEY.