

No. 898,205.

PATENTED SEPT. 8, 1908.

K. FILSKOW.
DRAINAGE SYSTEM.

APPLICATION FILED FEB. 20, 1908.

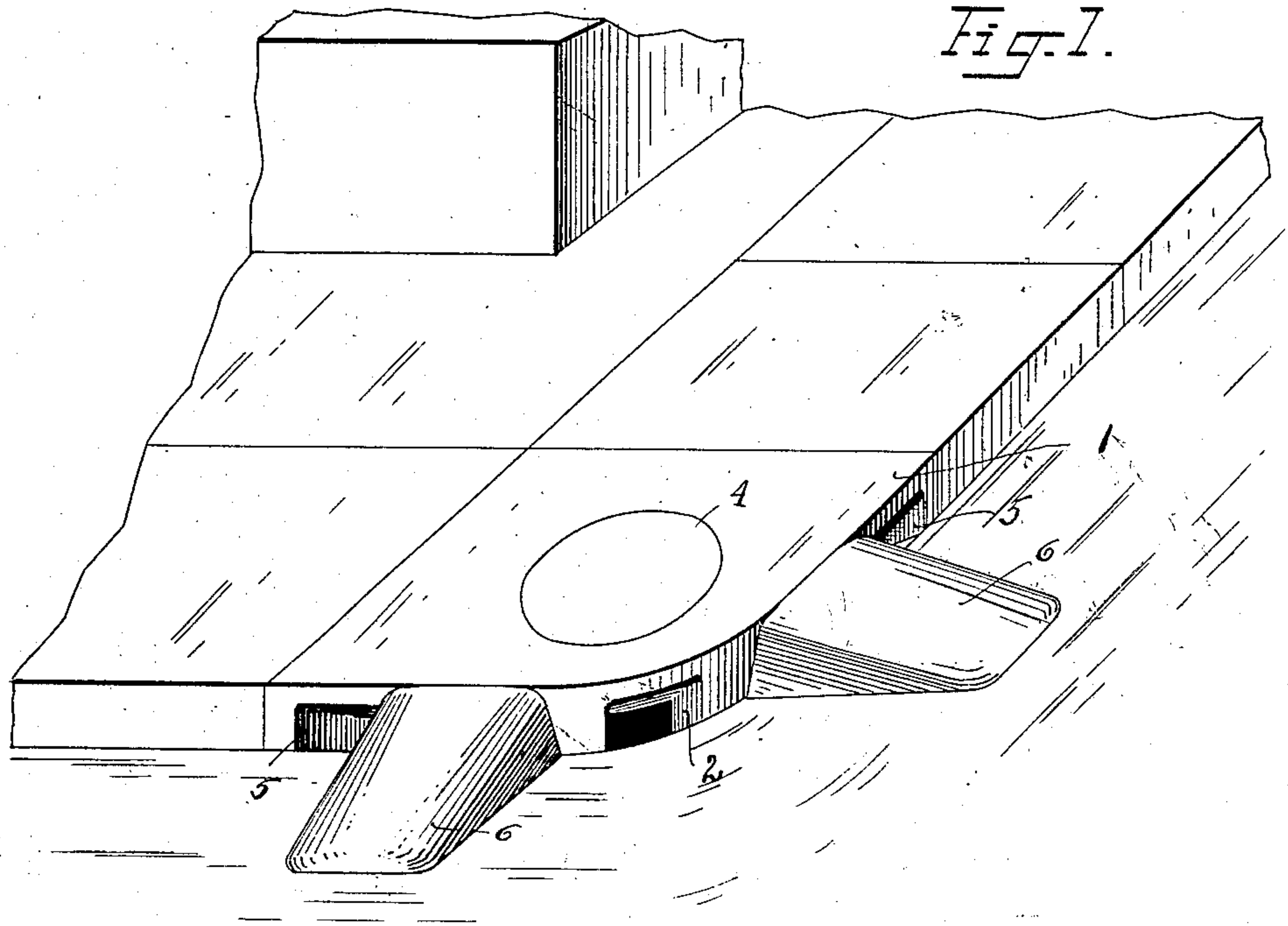


Fig. 2.

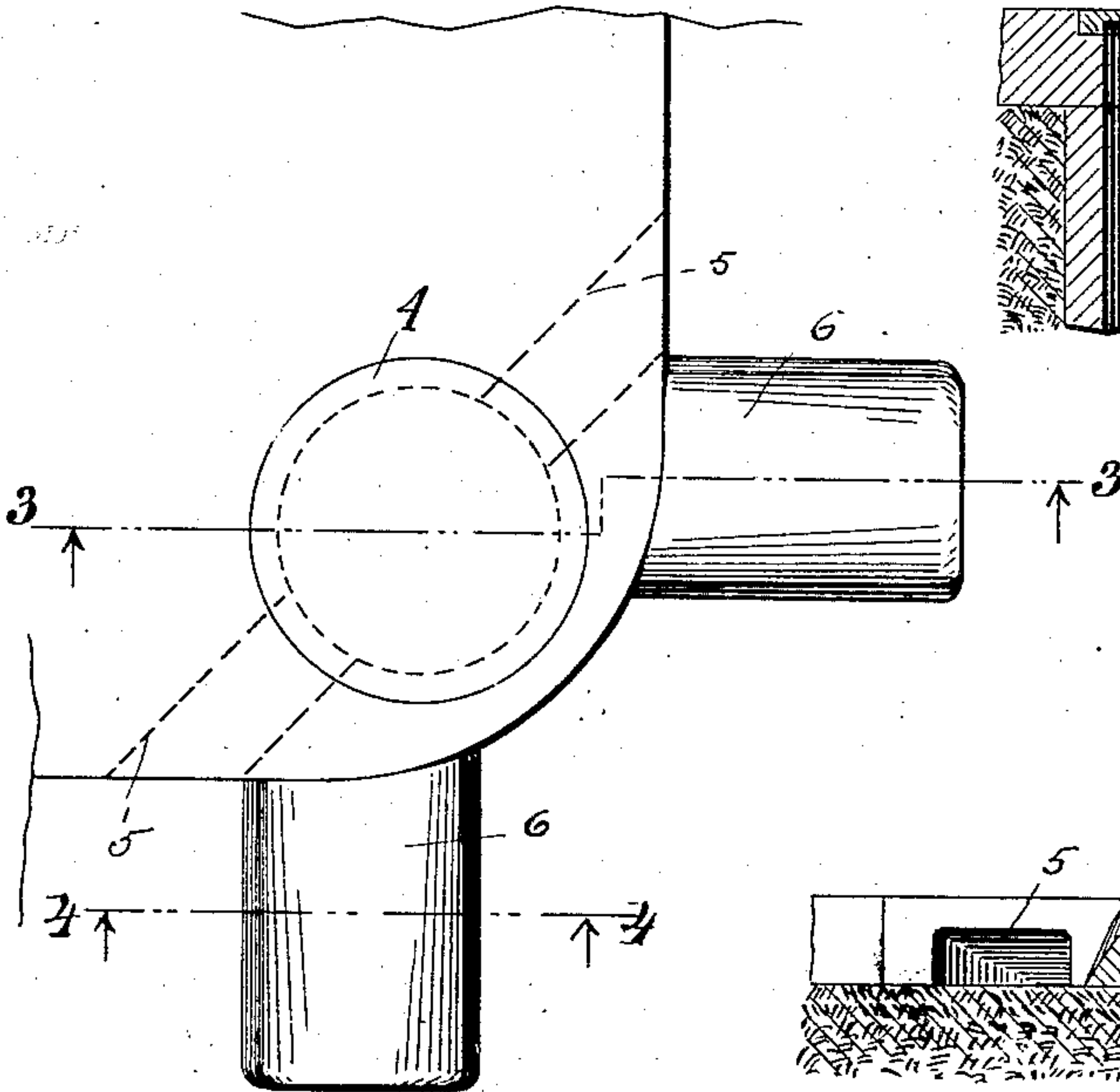


Fig. 3.

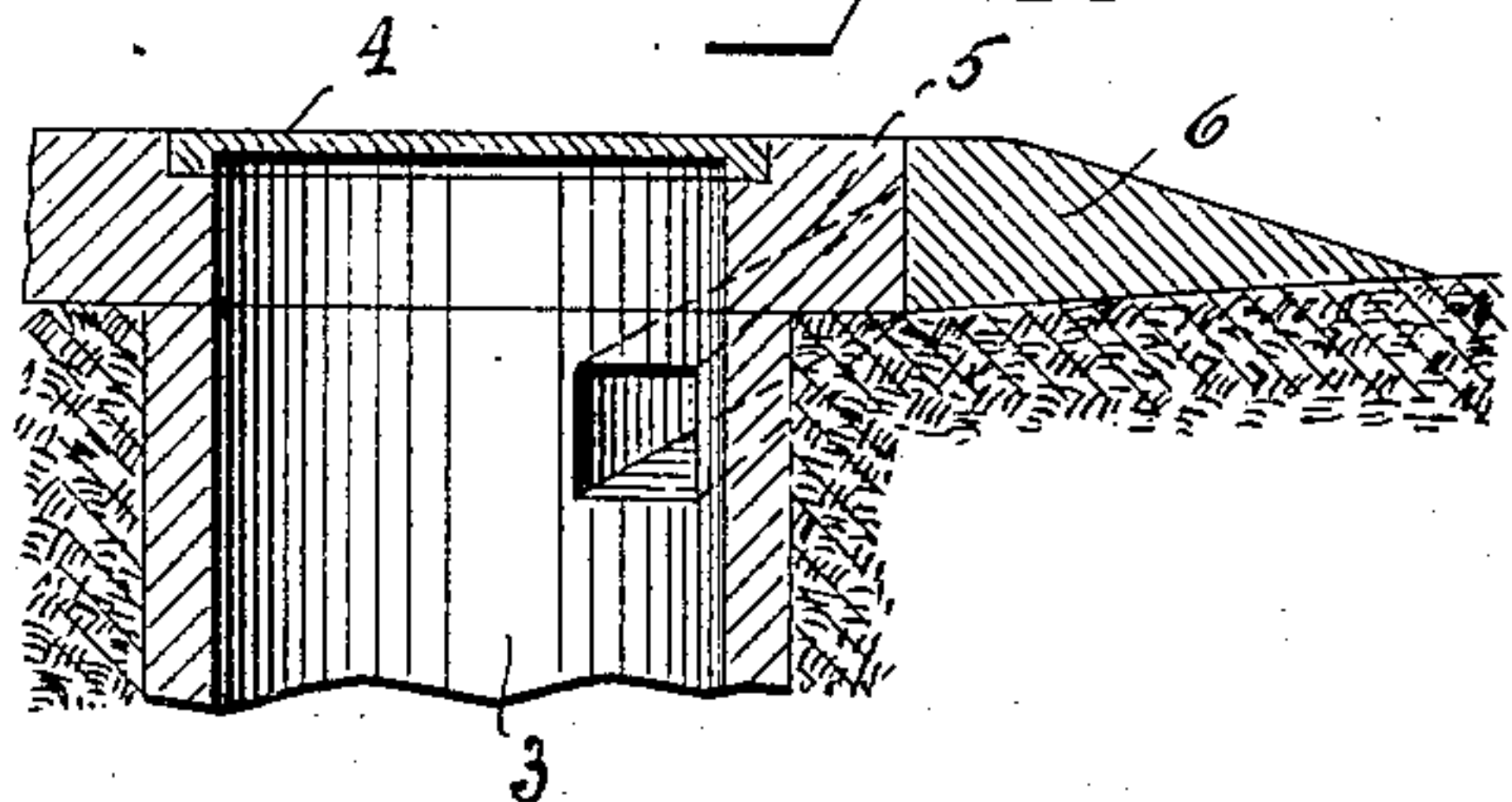
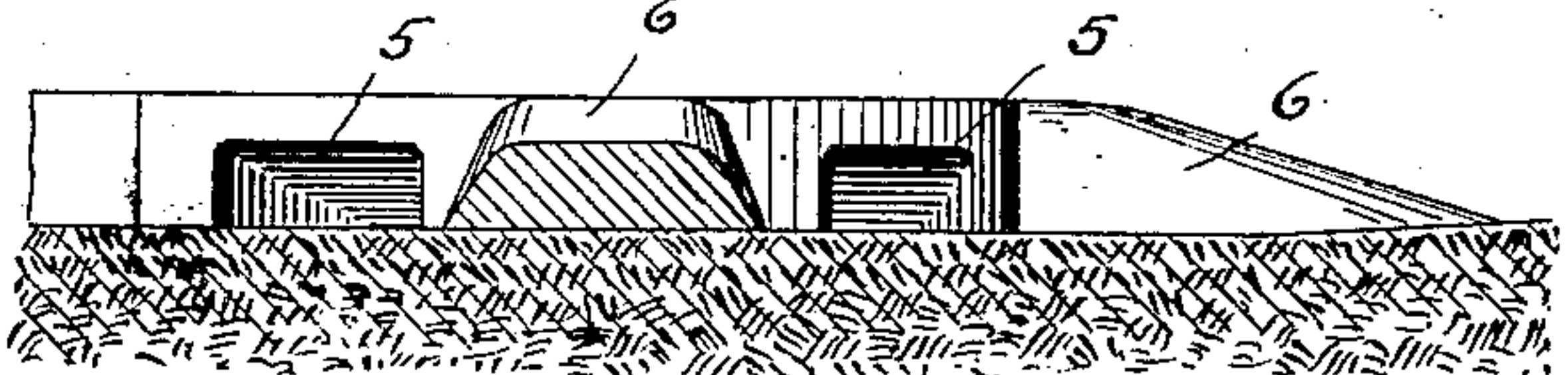


Fig. 4.



Witnesses:
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DRAINAGE SYSTEM.

No. 898,205.

Specification of Letters Patent.

Patented Sept. 8, 1908.

Application filed February 20, 1908. Serial No. 416,917.

To all whom it may concern:

Be it known that I, KARL FILSKOW, a citizen of the United States, and a resident of New York, county of New York, State of New York, have invented certain new and useful Improvements in Drainage Systems, of which the following is a specification.

The present invention relates to a drainage system.

10 It is well known that with the present system the gutters arranged at the street corners often cause overflowing during flooded periods and prevent the passing from one sidewalk to the other. To remedy this evil
15 I arrange, in addition to the corner gutter, at each side thereof and at some distance away therefrom a side gutter which runs below the pavement in an inclined and downward direction and terminates into the main basin
20 below the man-hole. Between this side gutter and the corner gutter the surface of the sidewalk is gradually leveled down to that of the roadway to allow the passage from one sidewalk to the other.

25 My invention is illustrated in the accompanying drawing in which similar reference letters denote corresponding parts and in which

60 Figure 1 shows a perspective view of a street corner; Fig. 2 is a plan view thereof; Fig. 3 is a vertical section on line 3—3 of Fig. 2, and Fig. 4 is an elevation showing the leveler in cross section on line 4—4 of Fig. 2.

In the drawing 1 denotes the corner stone
35 of the sidewalk in which is formed the ordinary corner gutter 2 leading into the drainage basin 3 arranged below the man-hole 4.

At each side of this corner gutter and at some distance away therefrom a side gutter 5 is provided which runs below the pavement in
40 an inclined and downward direction (see dotted lines in Figs. 2 and 3) and terminates into the same basin 2 below the man-hole. These gutters will allow the water to flow off
45 before they reach the corner, so that the water will be prevented from flooding in the neighborhood of the corner. In the spaces between the side gutters and the corner gutter the surface of the sidewalk is leveled
50 down to that of the street or roadway by forming an oblique short bridge 6 either of bricks, asphalt or a metal plate. The side-surfaces of this bridge are slanting and well rounded so as to allow vehicles to pass over
55 said bridges without causing great shocks.

What I claim is:

1. The herein described drainage system, consisting in the combination with the drainage basin and corner gutter, of side gutters leading to the drainage basin.

2. The herein described drainage system, consisting in the combination with the drainage basin and corner gutter, of side gutters leading into the drainage basin and short bridges arranged between the side gutters
65 and the corner gutter, said bridges having slanting and rounded side surfaces and leading from the sidewalk down to the roadway.

Signed at New York this 18th day of February, 1908.

KARL FILSKOW.

Witnesses:

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