

(No Model.)

N. F. & J. Q. SHUNK.
SEWER INLET.

No. 459,259.

Patented Sept. 8, 1891.

Fig. 1.

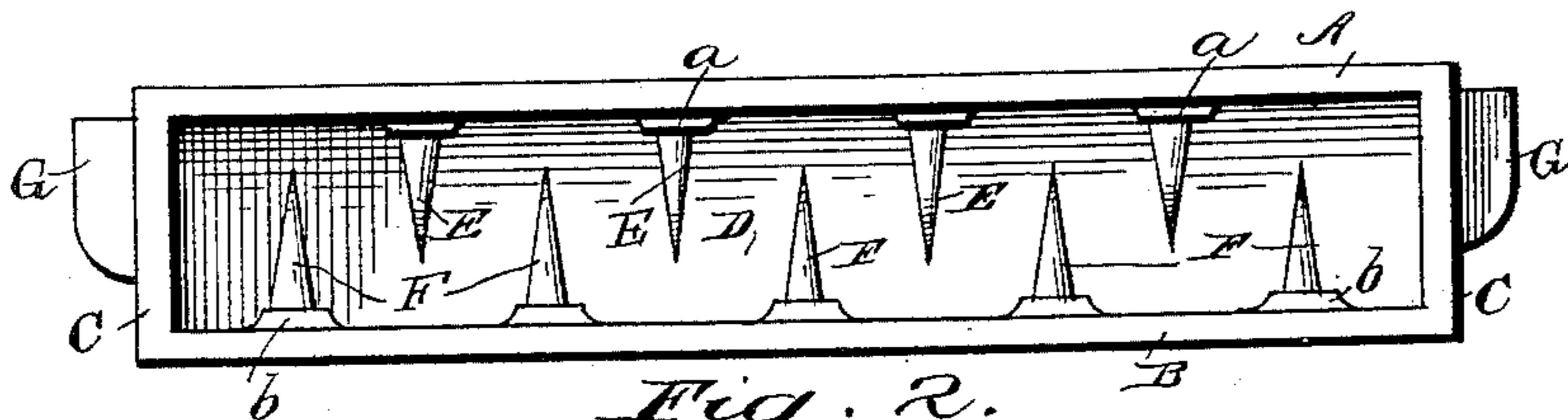


Fig. 2.

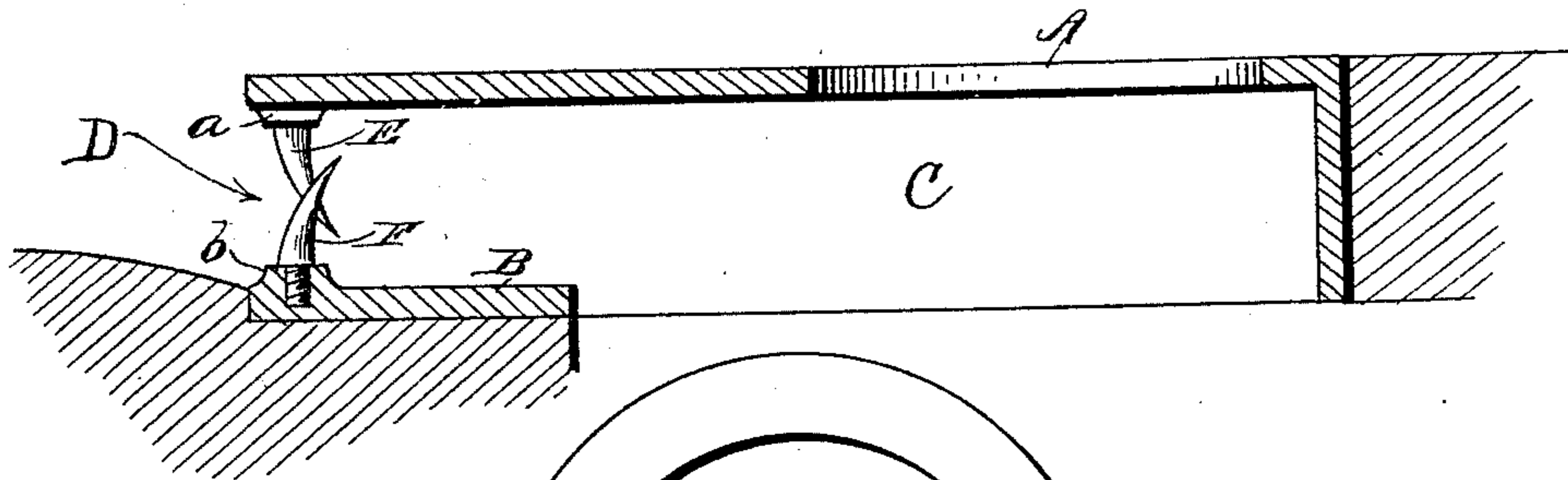


Fig. 3.

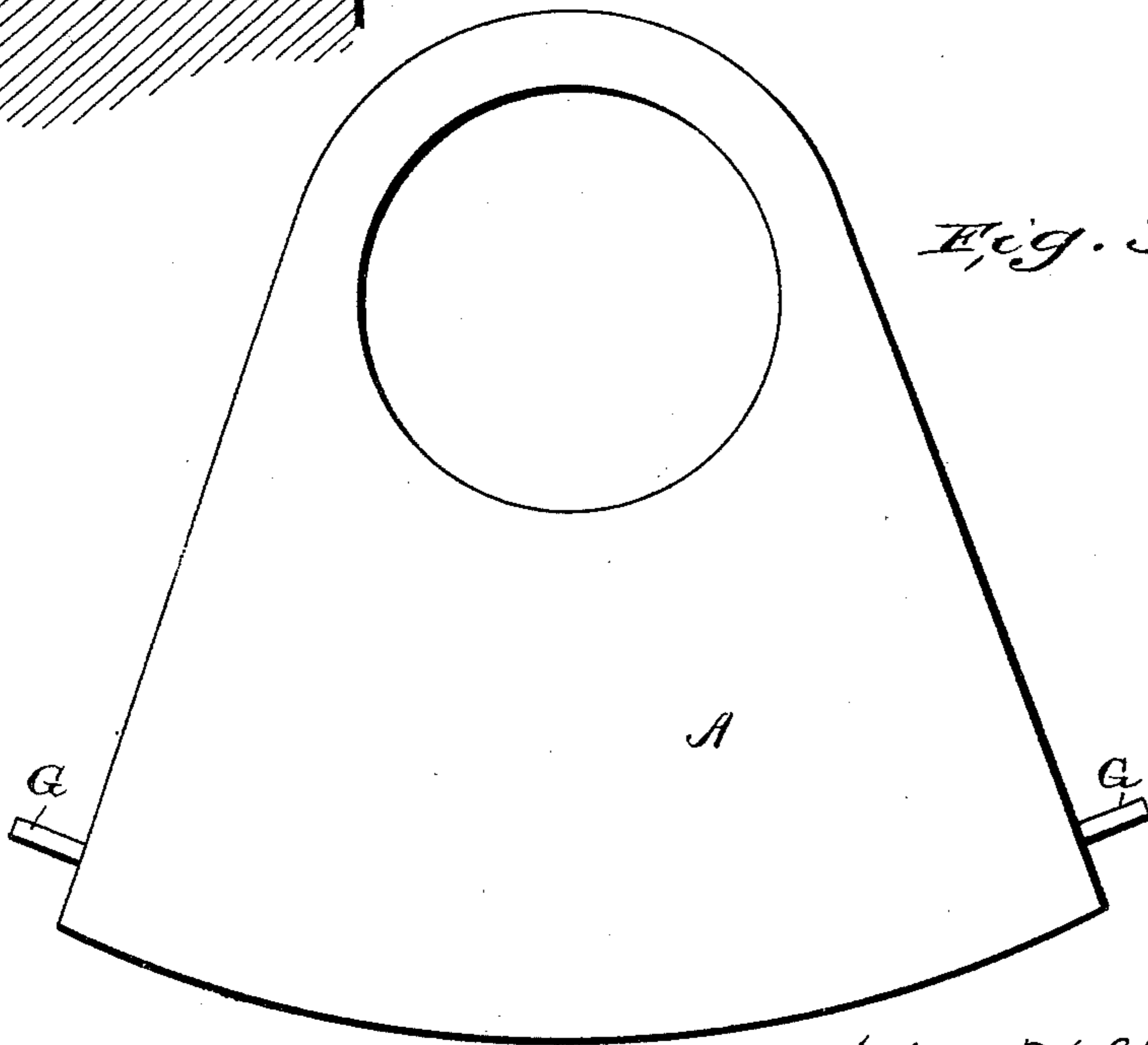
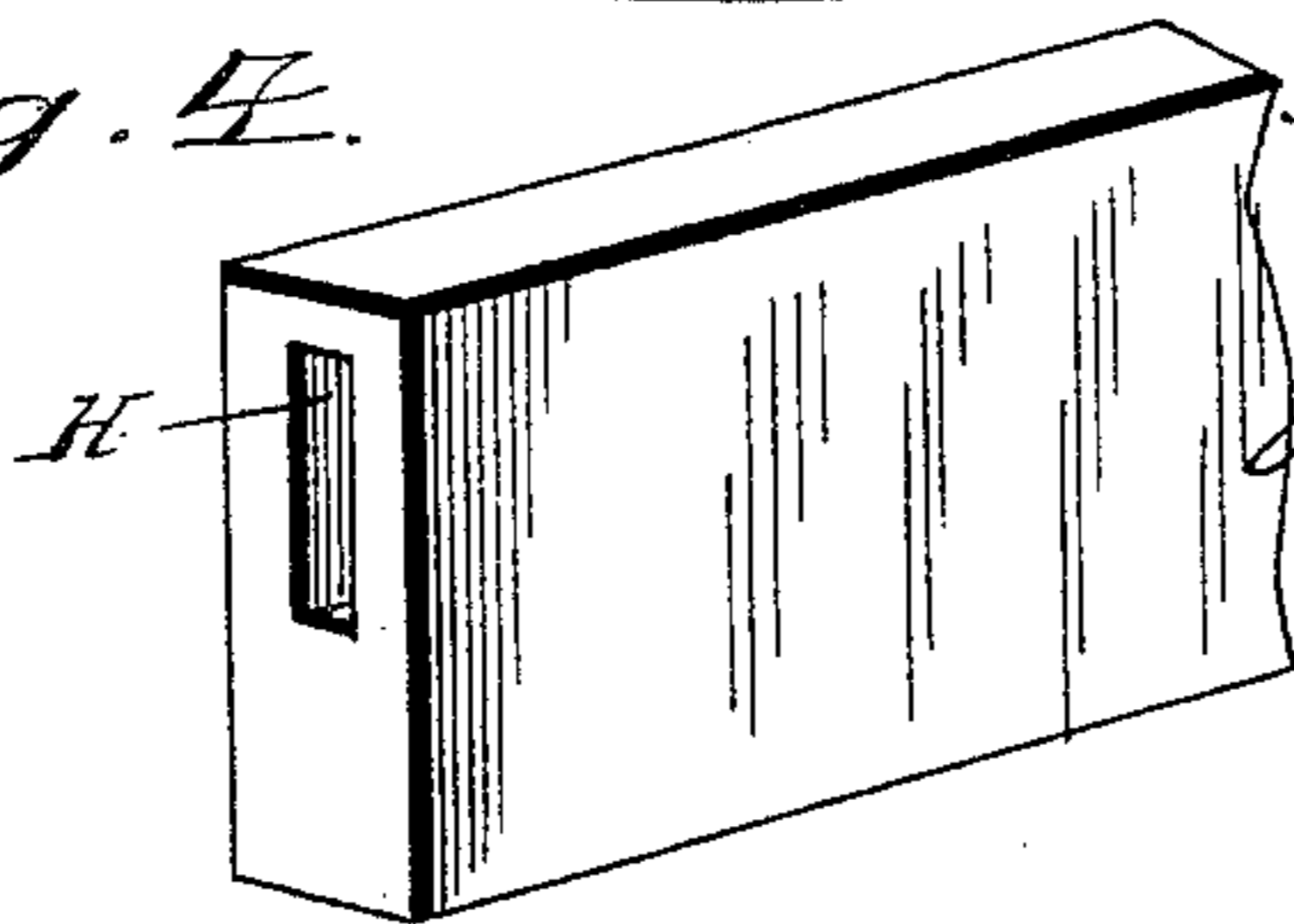


Fig. 4.



WITNESSES:

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SEWER-INLET.

SPECIFICATION forming part of Letters Patent No. 459,259, dated September 8, 1891.

Application filed May 6, 1891. Serial No. 391,843. (No model.)

To all whom it may concern:

Be it known that we, NELSON F. SHUNK and JOHN Q. SHUNK, citizens of the United States, residing at Bucyrus, in the county of Crawford and State of Ohio, have invented certain new and useful Improvements in Sewer-Inlets; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

Our invention consists in a new and improved sewer-inlet which possesses several practical advantages, which will be hereinafter specified, and the invention will be hereinafter fully described and claimed.

Referring to the accompanying drawings, Figure 1 is a front elevation of our new and improved sewer-inlet. Fig. 2 is a central vertical sectional view of the same. Fig. 3 is a top plan view. Fig. 4 illustrates in detail the end of the curb which comes in contact with the inlet-casing.

Referring to the several parts by their letters of reference, A indicates the top, B the bottom, and C C the sides, of the inlet-casing illustrated in the accompanying drawings. This casing is formed with the usual mouth-opening D.

E indicates the upper series of teeth, which are secured at their upper ends in enlargements *a* of the casing-top, these enlargements preventing the teeth from working loose. The teeth E extend down from the top of the casing a little past the center of the casing-mouth and taper to a point at their lower ends, curving inward at their lower free ends, as most clearly shown in the sectional view, Fig. 2. The lower series of teeth F are secured in enlargements *b* in the bottom of the casing and extend up a little above the central horizontal line of the casing-mouth D, these teeth likewise tapering to a point at their upper ends and curving inward at their upper or free ends. The series of lower teeth F are so arranged that they project up midway between the upper teeth E, as clearly shown in Fig. 1.

It will be seen from the foregoing, taken

in connection with the accompanying drawings, that these curved teeth, the free ends of which extend past the central horizontal line of the casing-mouth and curve inward, will not gather the small particles of débris, as their peculiar formation will give trash or other light obstruction an opportunity to work off when brought in contact with the said teeth, while they will effectually prevent long sticks or other large obstructions from passing into the sewer.

The sides C of the inlet-casing at the front ends thereof are formed with vertical projections G G, and the ends of the curb which come against the inlet-casing have vertical slots or recesses H formed in them, into which the vertical projections G of the inlet-casing snugly fit. It will be seen that this construction will bind the inlet-casing and the street-curb firmly together, making them practically solid and preventing the casing from starting or working loose under the influence of frost or any other disturbing element.

From the foregoing description, taken in connection with the accompanying drawings, it is thought the construction and practical advantages of our invention will be readily understood without requiring further detailed description.

Having thus described our invention, what we claim, and desire to secure by Letters Patent, is—

1. The combination of the inlet-casing having the entrance D, the series of curved teeth E, secured in the top of the casing, and the series of curved teeth F, secured in the bottom of the casing, the free ends of the two series of teeth curving inward, substantially as set forth.

2. The combination, with the inlet-casing having the entrance, of the upper series of curved teeth E, secured in the top of the casing and having their lower free ends projecting down below the center of the mouth D and curving inward, and the lower series of teeth F, secured in the bottom of the casing and having their free upper ends curving inward above the central line of the casing-mouth D, substantially as set forth.

3. The combination of the inlet-casing having the upper and lower series of teeth curving inward at their free ends, said casing being formed with the vertical side projections
5 G G, and the curb-sections formed at their ends with the vertical recesses H, in which the projections G are received, substantially as set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

NELSON F. SHUNK.
JOHN Q. SHUNK.

Witnesses:

HORACE M. DEAL,
CHAS. DONNENWIRTH.