

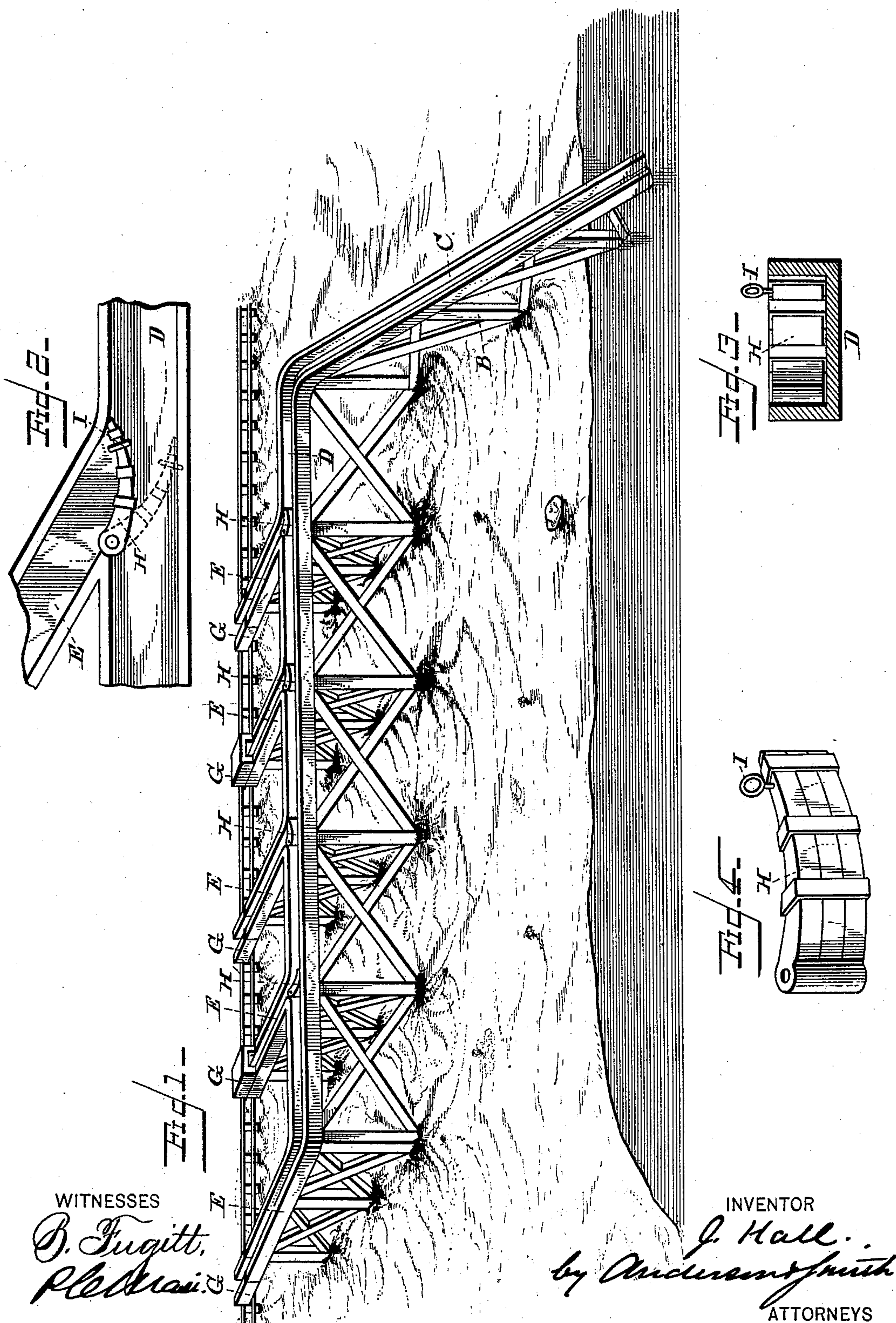
(No Model.)

2 Sheets—Sheet 1.

J. HALL.
ICE CHUTE.

No. 365,338.

Patented June 21, 1887.



WITNESSES

B. Fugitt,
R. H. Hall.

INVENTOR

J. Hall.
by Anderson & Smith
ATTORNEYS

(No Model.)

2 Sheets—Sheet 2.

J. HALL.
ICE CHUTE.

No. 365,338.

Patented June 21, 1887.

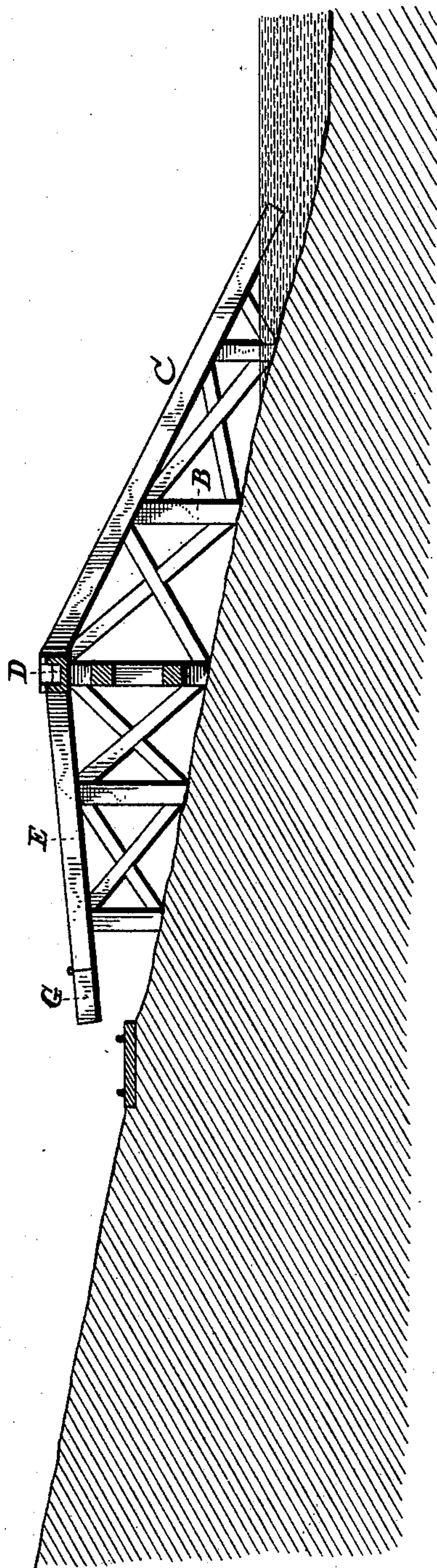


Fig. 5.

WITNESSES

B. Fugitt.
P. M. Asi.

INVENTOR

J. Hall.
by Anderson & Smith

ATTORNEYS

UNITED STATES PATENT OFFICE.

JOHN HALL, OF CRESTON, IOWA, ASSIGNOR OF ONE HALF TO ELLA HALL,
OF SAME PLACE.

ICE-CHUTE.

SPECIFICATION forming part of Letters Patent No. 365,338, dated June 21, 1887.

Application filed April 27, 1886. Serial No. 200,252. (No model.)

To all whom it may concern:

Be it known that I, JOHN HALL, a citizen of the United States, residing at Creston, in the county of Union and State of Iowa, have
5 invented certain new and useful Improvements in Ice-Chutes for Loading Cars and Filling Ice-Houses; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others
10 skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

15 Figure 1 of the drawings is a representation of a perspective plan view. Fig. 2 is a detail view. Fig. 3 is a cross section. Fig. 4 is a detail of the switch. Fig. 5 is a cross-sectional view of my improved apparatus.

20 My invention relates to ice-chutes for loading cars and buildings with blocks of ice; and it consists in the construction and novel combination of parts, as hereinafter described, and pointed out in the claim.

25 Referring by letter to the accompanying drawings, A designates the elevating-chute, which is supported upon suitable trestles B, and dips at its lower end into the water-box in the stream or lake into which the cakes of
30 ice are floated after having been cut, and previous to their reception by the elevator-chain in the elevator-chute C. This chute C extends up over the bank any suitable distance to give it the required elevation, and connects at
35 its upper end with the downwardly-inclined main delivery-chute D. This main delivery-chute D extends along the railroad-track a few feet distant therefrom, and is inclined downward from its point of connection with
40 the elevating-chute C to its lower end, which latter is just a little higher than the floor of the car to be loaded, or, in the case of a building, the point where the ice is to be delivered.

45 From the main delivery-chute D any desired number of auxiliary or side schutes, E, are connected with the main delivery-schute D, so as to lead to as many cars or other places

of delivery for the cakes of ice, and these auxiliary chutes E are provided with hinged aprons G, which are merely continuations of the side chutes, and may be turned up out of the way when it is desired to move the cars after they have been loaded. 50

The main delivery-chute and the auxiliary chutes connected thereto are also supported on trestle-work, and are given suitable downward inclination to insure the ready delivery of the cakes of ice to the cars or ice-house. 55

At the junction of the main chute with the side or auxiliary chutes switches H are provided, said switches being of iron or wood incased in iron and slightly curved. These switches are pivoted to the bottom of the main chute at one side—that is, the side where the mouth of the side chute opens into the main chute. These switches are provided each with a ring or eye, I, so that an attendant may open and close them at pleasure by using a pike or bar so as to control the delivery of the ice to any desired side chute. In this way five or more cars may be loaded simultaneously and in a very short period of time with a comparatively small force of workmen. 60 65 70

Having described this invention, what I claim, and desire to secure by Letters Patent, is— 75

An ice-elevator comprising the following elements: an inclined chute, C, leading from a body of water upward and continuous with an inclined chute, D, having at its terminus a laterally-inclined chute, E, provided with a hinge-apron, a series of supernumerary lateral inclined chutes, also provided with hinged aprons and branching from the said chute D, and switches applied at the mouths of said supernumerary chutes, all substantially as described. 80 85

In testimony whereof I affix my signature in presence of two witnesses.

JOHN HALL.

Witnesses:

EDW. SCHIFFERLE,
MATT J. DUGGAN.