

(No Model.)

W. GUTHRIE.

DEVICE FOR FACILITATING THE STOWING OF ICE IN BUILDINGS, &c.

No. 267,421.

Patented Nov. 14, 1882.

Fig. 1.

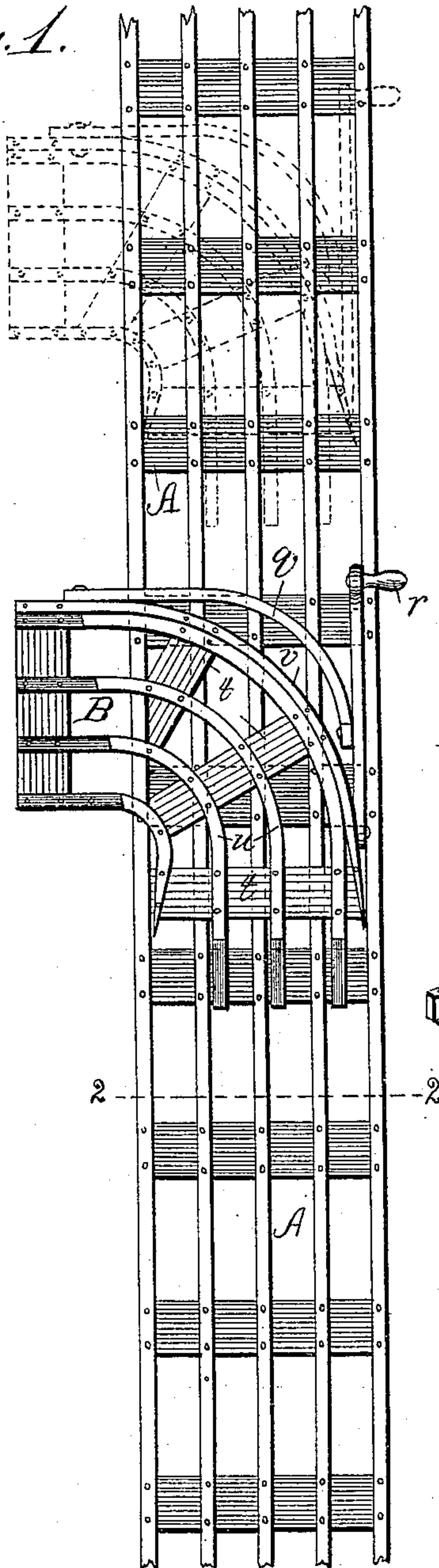


Fig. 2.

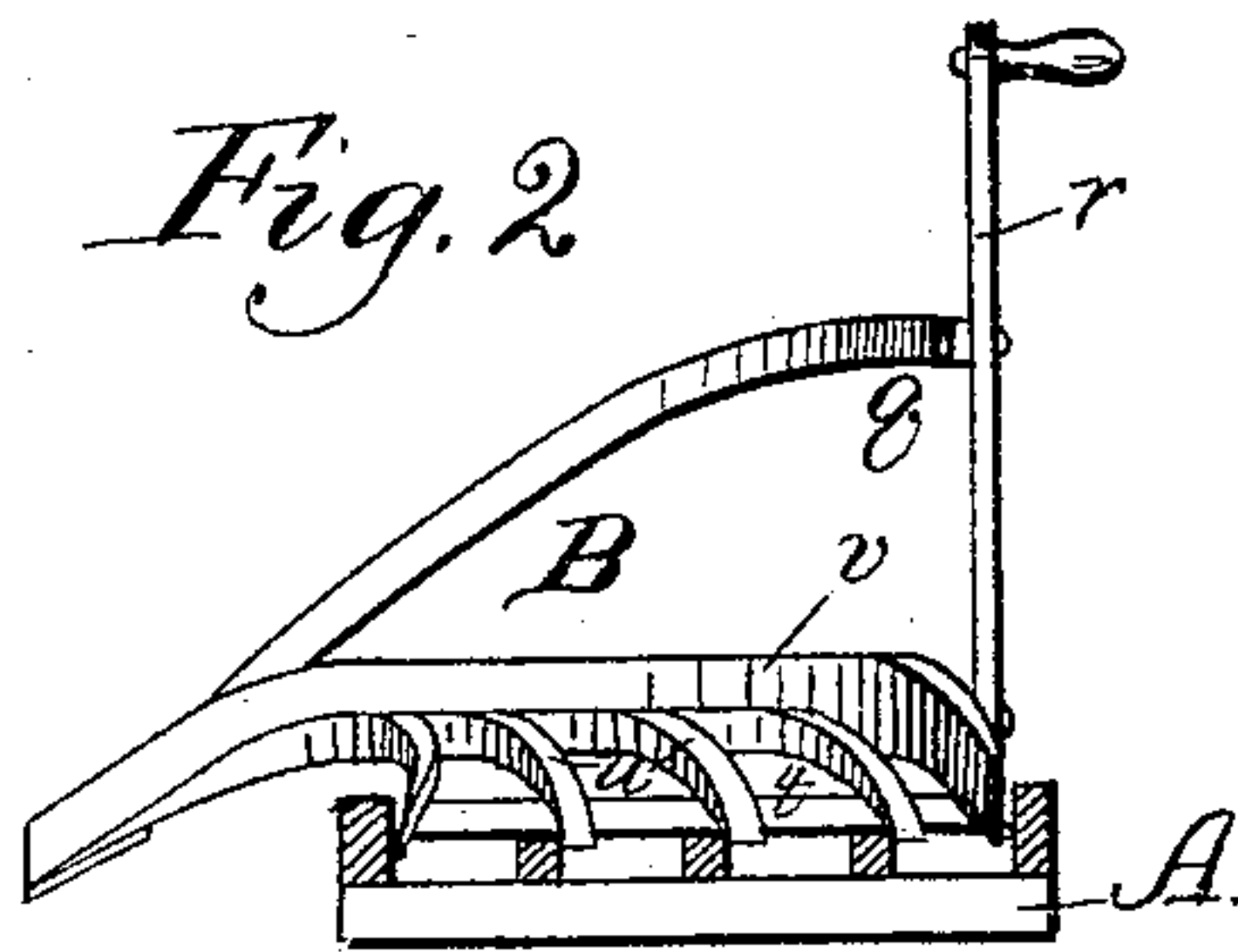
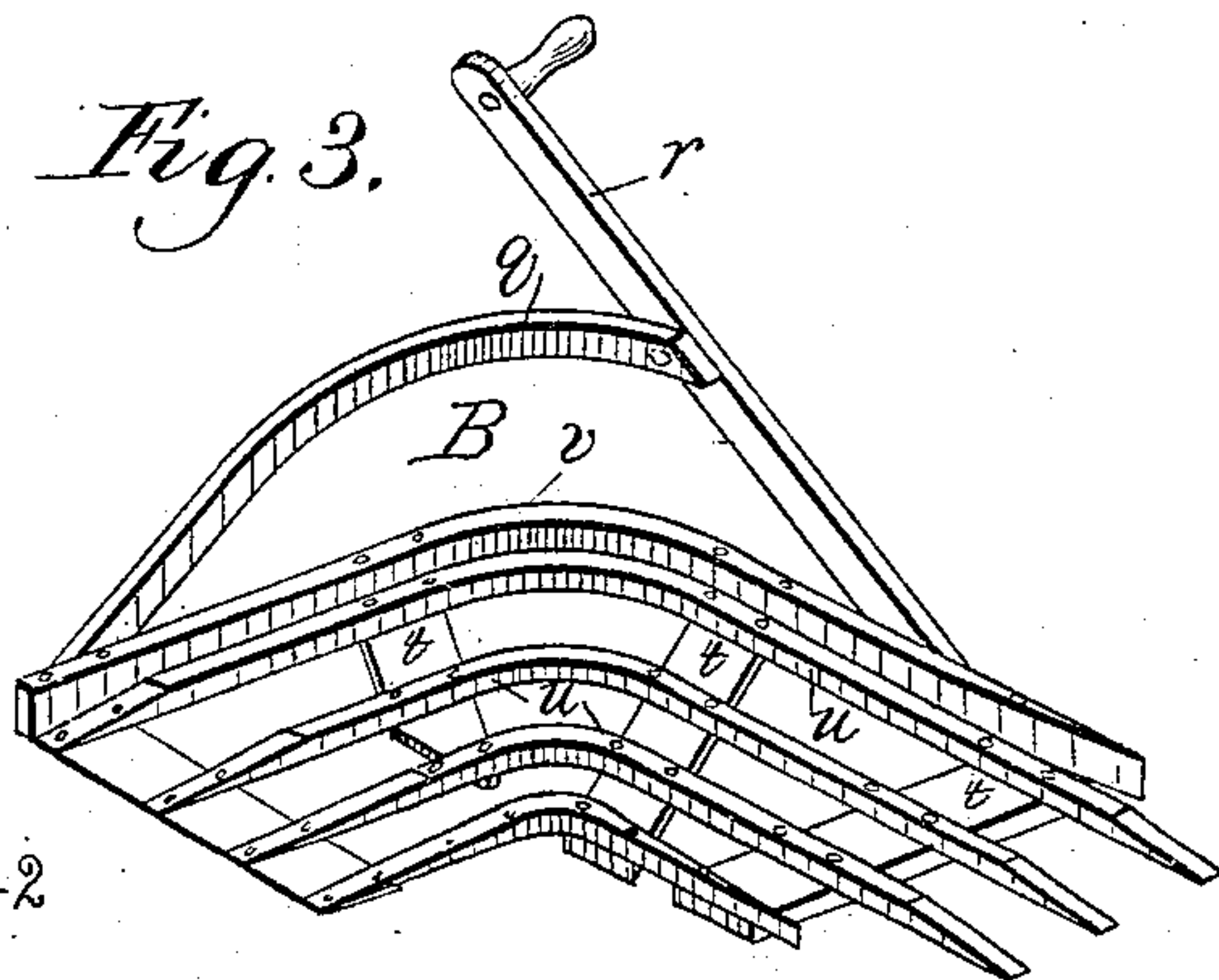


Fig. 3.



WITNESSES—

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DEVICE FOR FACILITATING THE STOWING OF ICE IN BUILDINGS, &c.

SPECIFICATION forming part of Letters Patent No. 267,421, dated November 14, 1882.

Application filed September 2, 1882. (No model.)

To all whom it may concern:

Be it known that I, WARDELL GUTHRIE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Device for Facilitating the Stowing of Ice in Buildings, &c; and I hereby declare the following to be a full, clear, and exact description of the same.

10 The object of my invention is to facilitate the operation of throwing the blocks off the slide when they severally reach their proper points of deposit; and it consists in employing with a slide, of whatever construction, a movable
15 deflector or switch for turning the block off the slide at any desired point thereof; and it consists, also, in the construction which I prefer for carrying my invention into effect, all as hereinafter more fully set forth.

20 Referring to the accompanying drawings, Figure 1 is a plan view of a portion of an ice-slide having applied to it my device constructed in one of its most convenient forms; Fig. 2, a transverse section on the line 2 2 of Fig. 1,
25 and Fig. 3 a perspective view of my switch detached.

A is the slide, and B the switch, which, while it may be greatly varied in details of construction, should comprise a frame or plate to lie on
30 the surface of the slide and be provided with a suitable guide, *v*, to deflect the block either in a curve or at an angle from the straight line, which it tends to maintain, and thus cause it to pass off over the edge of the slide. It should
35 also be provided with a handle of some sort to permit it to be moved easily back and forth along the slide, as circumstances shall require.

In the form shown in the drawings bent strips of wood, *u*, are bolted to cross-pieces *t*,
40 and beveled off at their ends, as shown at *s*,

to facilitate the sliding of the blocks of ice on and off, the guide *v* being formed by making the outside strip or bar higher than the others. A handle, *r*, secured to the device at one side, and suitably braced, as shown at *q*, permits
45 the switch to be easily moved along the slide by the operator.

The essential elements of my device are the agent by which the block is deflected and the agent by which it is moved from place to place
50 along the slide.

Where inverted-V-shaped metal strips are employed for the slide, which maintain the block of ice in place by cutting into it, the deflector may consist simply of similar strips arranged upon a supporting frame or plate and
55 bent around to the required curve or angle, in which case the block will follow these strips and pass over the edge, thereby constituting them the equivalent of the guide *v*. Numerous modifications, in fact, may be made in my device without departing from the spirit of my invention so long as it is adapted to be readily moved from point to point, and to cause the block which comes into contact with it to run
60 off over the edge of the slide.

What I claim as new, and desire to secure by Letters Patent, is—

1. A movable deflector or switch for discharging the ice laterally from a slide at any desired point thereof, substantially as described.
70

2. The ice-switch B, comprising a deflecting-guide, in combination with a plate or frame sustaining it, and to receive the block of ice, and a suitable handle for moving the device
75 along the ice-slide, substantially as described.

WARDELL GUTHRIE.

In presence of—

HAROLD DYRENFORTH,
THOMAS A. BANNING.