(No Model.)

R. H. GLEASON.

ADJUSTABLE PANEL SNOW FENCE.

No. 329,640. Patented Nov. 3, 1885.

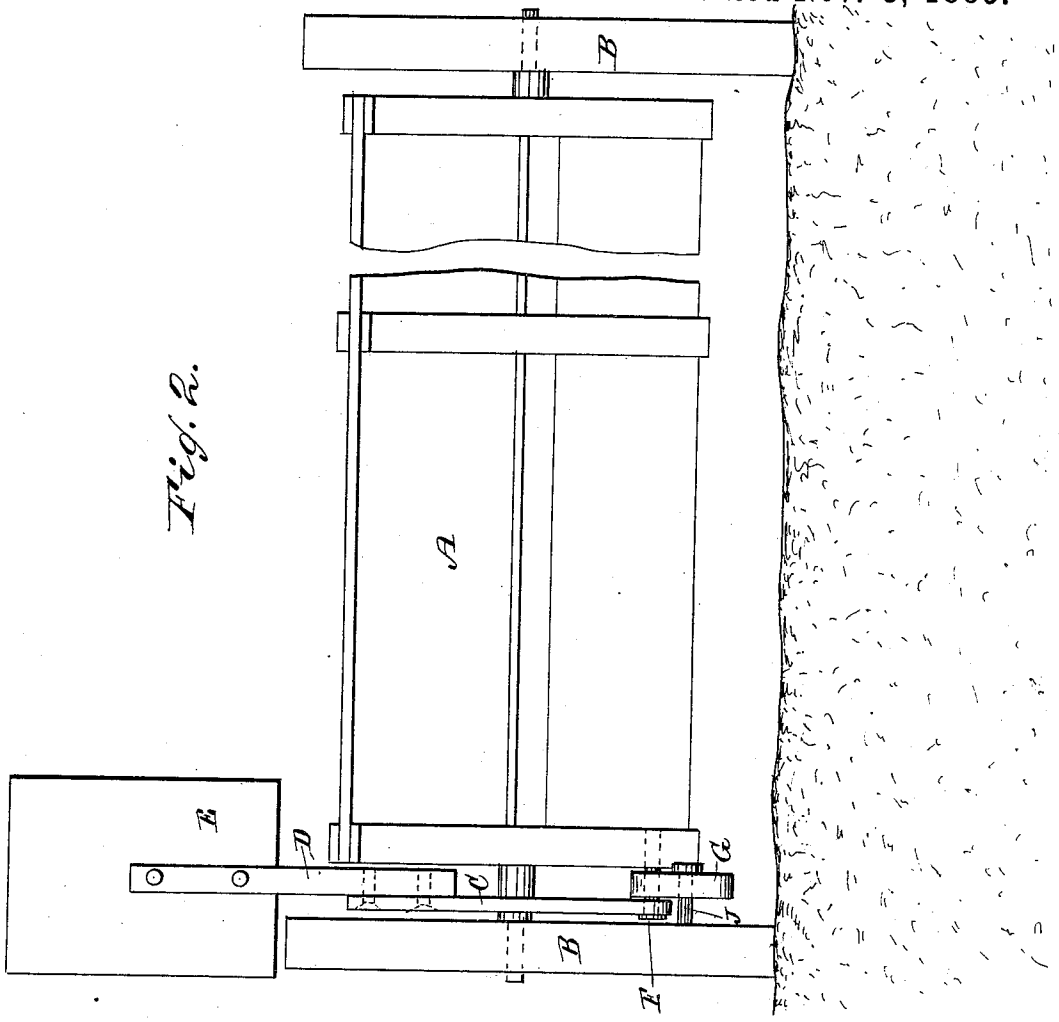


Fig. 2.

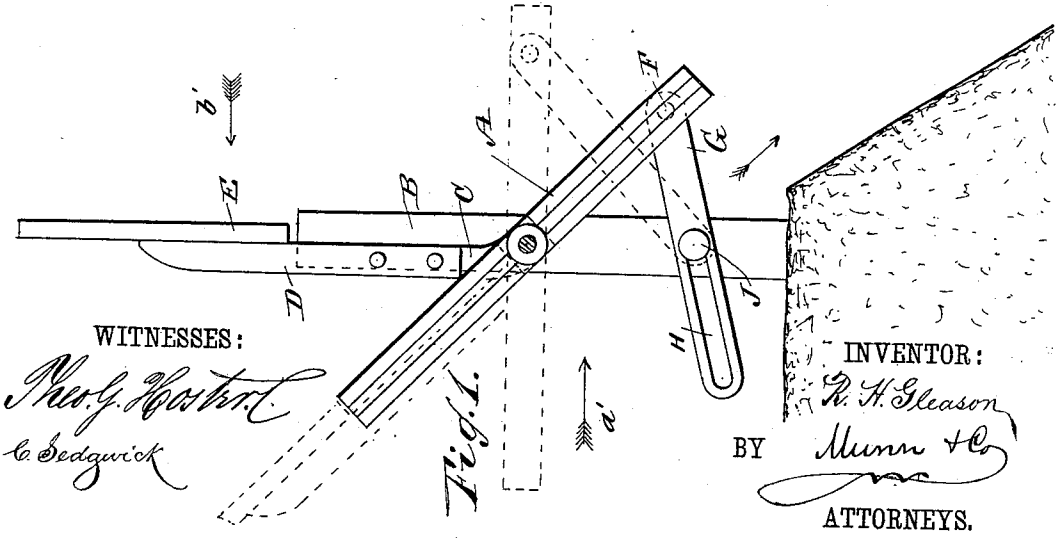


Fig. 1.

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UNITED STATES PATENT OFFICE.

ROLLIN HUDSON GLEASON, OF EGAN, DAKOTA TERRITORY, ASSIGNOR TO HIMSELF, H. PALMER FRENCH, AND CHARLES W. FRENCH, ALL OF SAME PLACE.

ADJUSTABLE-PANEL SNOW-FENCE.

SPECIFICATION forming part of Letters Patent No. 329,640, dated November 3, 1885.

Application filed February 2, 1885. Serial No. 154,737. (No model.)

To all whom it may concern:

Be it known that I, ROLLIN H. GLEASON, of Egan, in the county of Moody and Territory of Dakota, have invented a new and Improved Adjustable-Panel Snow-Fence, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved deflector or adjustable panel for snow-fences, which panel adjusts itself automatically according to the direction from which the wind blows.

The invention consists in the combination, with a pivoted panel, of an arm secured on the same, a vane on the upper end of the arm, and a check-bar connected with the bottom of the pivoted panel, and provided with a longitudinal slot, through which a pin passes into one of the posts or standards.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is an end view of my improved adjustable-panel snow-fence, parts being in section. Fig. 2 is a face view of the same, parts being broken out.

The panel A, which is suitably braced and stiffened, is provided with end pivots, and is pivoted between two standards, B, in such a manner that it can turn freely on its longitudinal axis. On one of the pivots of the panel A an angle-bar, C, is loosely mounted at its angle, one shank being parallel with the edge of the panel, and the other projecting at an angle of forty-five degrees to the face of the panel, and to which latter shank an arm, D, is secured, having a vane, E, secured to its upper end, the said vane facing in the same direction as the panel. The lower end of the angle-bar C is connected by a pivot, F, with the end of the panel, and on the said pivot is mounted one end of a bar, G, provided at the opposite end with a longitudinal slot, H, through which a pin, J, is passed into a post or standard, B. The panel is erected at the top of a cut, as shown in Fig. 1. When the wind blows in the direction toward the cut—that is, in the direction of the arrow *a'*, Fig. 1—it strikes the vane E and swings it with the bar D up into the vertical position, thereby bringing the panel into the position shown in Fig. 1, at an inclination of forty-five degrees toward the bottom of the cut. The snow and wind, striking the inclined panel, are guided down into the cut and out again, whereby all snow is carried out of the cut. When the wind blows over the cut in the direction of the arrow *b'*, the wind strikes the vane E and swings it down to an angle of ninety degrees, the panel A being held horizontal, thus permitting the snow to sweep under it. The vane E thus regulates the inclination of the panel A according to the direction of the wind. The bar G limits the rocking movements of the panel.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. In a snow-fence, the combination, with a pivoted panel, of an arm held on the panel, and a vane on the free end of the arm, substantially as herein shown and described.

2. In a snow-fence, the combination, with a panel pivoted between the two standards to swing on its horizontal axis, of an arm connected with the panel, a vane on the arm, and of a check-bar for limiting the swinging movements of the panel, substantially as herein shown and described.

3. In a snow-fence, the combination, with a panel pivoted between the two standards, of an arm connected with the panel and projecting at an angle of forty-five degrees, a vane on the arm, a slotted check-bar connected with the panel, and of a pin passed through a slot in the bar into one of the posts, substantially as herein shown and described.

4. In a snow-fence, the combination, with the pivoted panel A, of the angle-bar C, the bar D, the vane E, and the check-bar G, having a longitudinal slot, H, substantially as herein shown and described.

ROLLIN HUDSON GLEASON.

Witnesses:
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