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This technical drawing shows a top-down view of a rectangular swimming pool divided into multiple lanes. The pool is bounded by a thick line labeled '1' representing the pool walls. Inside, dashed lines labeled '3' represent the lane lines. At each end of the pool, there are vertical lines labeled '4' representing the starting and ending lines. Small rectangular buoys, labeled '5' and '6', are positioned at the intersections of the lane lines and starting/ending lines. The drawing is oriented horizontally, with a vertical line labeled '2' running through the center, possibly indicating a depth or width measurement. The bottom edge of the pool is irregular, suggesting a natural shoreline or a specific pool design.

A technical drawing of a vertical post assembly. The post is labeled 1. A helical spring 2 is wound around the post. A sliding sleeve 3 is positioned on the post. The sleeve has a central longitudinal slot 4. A pin 5 is shown passing through the sleeve and the post. A bracket 6 is attached to the sleeve. The drawing is labeled with numbers 1 through 6 and a letter A.

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SNOW-FENCE.

1,006,796.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JULIUS RUPP, a citizen of the United States, and a resident of the city of Kolze, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Snow-Fences, of which the following is a specification.

My invention relates to improvements in snow fences for a railroad right-of-way, that is to fences adapted to be erected along the railroad right-of-way at either side thereof to prevent the formation of snow drifts across the track.

The object of my invention is the provision of a snow fence as mentioned which will be of improved construction and efficient in operation.

Other objects will appear hereinafter.

With these objects in view my invention consists in the combinations and arrangements of parts hereinafter described and claimed.

My invention will be best understood by reference to the accompanying drawing forming a part of this specification, and in which,

Figure 1 is a side elevation of a section of a snow fence embodying my invention, and Fig. 2 is a section taken on line $x-x$ of Fig. 1.

The preferred form of my construction as illustrated in the drawing comprises a plurality of similar plates 1 formed preferably of sheet metal. The plates 1 are of any suitable height required or desired, the same being of a length such as to adapt the same to extend between adjacent supporting posts 2 which are arranged at intervals along the right-of-way at the edges thereof. The contiguous extremities of adjacent plates 1 overlapping as shown, the same being provided with registering elongated longitudinally extending slots 3. Said plates are detachably secured upon the posts 2 through the medium of screws 4 threaded into said posts 2 the winged or flared heads of said screws projecting through the slots 3 as shown, locking of said plates to said posts being effected by turning said screws so that the heads thereof are disposed at right angles

to said slots as will be readily understood; detachment or removal of the plates being permitted by simply turning said screws so that the heads thereof will register with said slots. By the provision of slots 3 of considerable lengths as shown it is clear that in the installation of the posts 2 great particularity in the spacing of the posts will not need be exercised, since with elongated slots as mentioned considerable lee-way is afforded, considerable range of distances between the posts 2 at which the plates 1 will be adapted for use being afforded.

Each of the plates 1 is provided with a plurality of elongated openings or slots 5 arranged preferably in rows, the slots or openings of adjacent rows being in staggered relation. The openings 5 are overhung by inclined inwardly projecting wings 6 formed integral with said plates, and the upper edges 7 of said plates are curved outwardly as clearly shown. By the provision of the openings 5 the passage of the wind through the fence will be permitted, the provision of the wings 6 overhanging said openings effecting the deflection of the air currents passing through said openings and resulting in the formation of eddies at the inner side of the fence. By reason of the eddies thus formed that is of the interruption of the air currents in this manner, the snow carried thereby will be caused to be deposited in drifts extending longitudinally of the fence and adjacent thereto, the possibility of transverse drifts being obviated. By reason of the upward bending or curving of the upper edges of the fence plates 1 the results just mentioned are facilitated, such construction effecting the outward deflection of air currents impinging upon the upper edge portion of the fence preventing downward sweep thereof over the upper edge of the fence toward the longitudinally extending drifts formed by the wings 6 and hence preventing the destruction of such drifts which might otherwise be occasioned by air currents passing over the top of the fence and downwardly therefrom.

A fence of the construction as set forth is

durable and economical; the same may be readily and quickly arranged for use in proper season and during the summer and warmer months may be readily and easily taken down. When the plates 7 are removed the posts 2 may serve as supports for wire fences or other fences suitable for summer use. Although the plates 1 have been illustrated and described as being supported upon posts 2 it is clear that the same may be supported by any other suitable means, for example, the same may be secured to wire fences if desired by simply providing turn buttons similar to the screws 4 at intervals along the fence.

While I have illustrated and described the preferred form of construction for carrying my invention into effect, this is capable of variation and modification without departing from the spirit of the invention. I therefore do not wish to be limited to the precise details of construction as set forth, but desire to avail myself of such variations and modifications as come within the scope of the appended claims.

Having described my invention what I claim as new and desire to secure by Letters Patent is:

1. A snow fence comprising a plurality of similar plates having overlapping adjacent ends; supporting means for said plates; means for securing said plates to said supporting means, each of said plates having a plurality of openings; and inclined wings overhanging said openings, substantially as described.

2. A snow fence comprising a plurality of similar plates having overlapping adjacent ends; supporting means for said plates; means for detachably securing said plates to said supporting means, each of said plates having a plurality of openings; and inclined wings overhanging said openings, substantially as described.

3. A snow fence comprising a plurality of similar plates having overlapping adjacent ends; supporting means for said plates, said plates having slots in their ends; means engaging said slots for detachably securing said plates to said supporting means, each of said plates being foraminated; and inwardly projecting inclined wings overhanging the foraminations, substantially as described.

4. A snow fence comprising a plurality of similar plates having overlapping adjacent ends; supporting means for said plates, said plates having slots at their ends, the slots in the overlapping ends of adjacent plates registering; means engaging said slots for detachably securing said plates to said supporting means, each of said plates being foraminated; and inwardly projecting in-

clined wings overhanging the foraminations, substantially as described.

5. A snow fence comprising a plurality of similar plates having overlapping adjacent ends; supporting means for said plates, said plates having longitudinally extending elongated slots at their ends, the slots in the overlapping ends of adjacent plates registering, and means on said supporting means engaging said slots for detachably securing said plates to said supporting means, each of said plates being provided with longitudinally extending openings; and inwardly projecting downwardly inclined wings overhanging said openings, substantially as described.

6. A snow fence comprising a plurality of plates having overlapping adjacent ends; spaced posts for supporting said plates, said plates having longitudinally extending elongated slots at their ends, the slots in the overlapping ends registering; means on said posts engaging said slots for detachably securing said plates to said posts, each of said plates being provided with longitudinally extending openings; and inwardly projecting downwardly inclined wings overhanging said openings, substantially as described.

7. A snow fence comprising a plurality of similar plates having overlapping adjacent ends; spaced posts for supporting said plates, said plates having longitudinally extending elongated slots at their ends, the slots in the overlapping ends of said plates registering; turn-screws on said posts engaging said slots for detachably securing said plates to said supporting means, each of said plates being provided with longitudinally extending openings; and inwardly projecting downwardly inclined wings formed integral with said plates overhanging said openings, substantially as described.

8. A snow fence comprising a plurality of similar plates having overlapping adjacent ends; supporting means for said plates, said plates having longitudinally extending elongated slots at their ends, the slots in the overlapping ends of adjacent plates registering, and means on said supporting means engaging said slots for detachably securing said plates to said supporting means, each of said plates being provided with longitudinally extending openings; and inwardly projecting downwardly inclined wings overhanging said openings, the upper edges of said plates being curved outwardly, substantially as described.

9. A snow fence comprising a plurality of similar plates having overlapping adjacent ends; supporting means for said plates, said plates having slots at their ends, the

slots in the overlapping ends of adjacent plates registering; means engaging said slots for detachably securing said plates to said supporting means, each of said plates being
5 foraminated; and inwardly projecting inclined wings overhanging the foraminations, the upper edges of said plates being curved outwardly, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of 10 two subscribing witnesses.

JULIUS RUPP.

Witnesses:

JOSHUA R. H. POTTS,
W. C. SMITH.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."