July 14, 1925.

1,545,909

D. A. McKINNON

SNOW FENCE

Filed Jan. 5, 1925

Fig. 1.

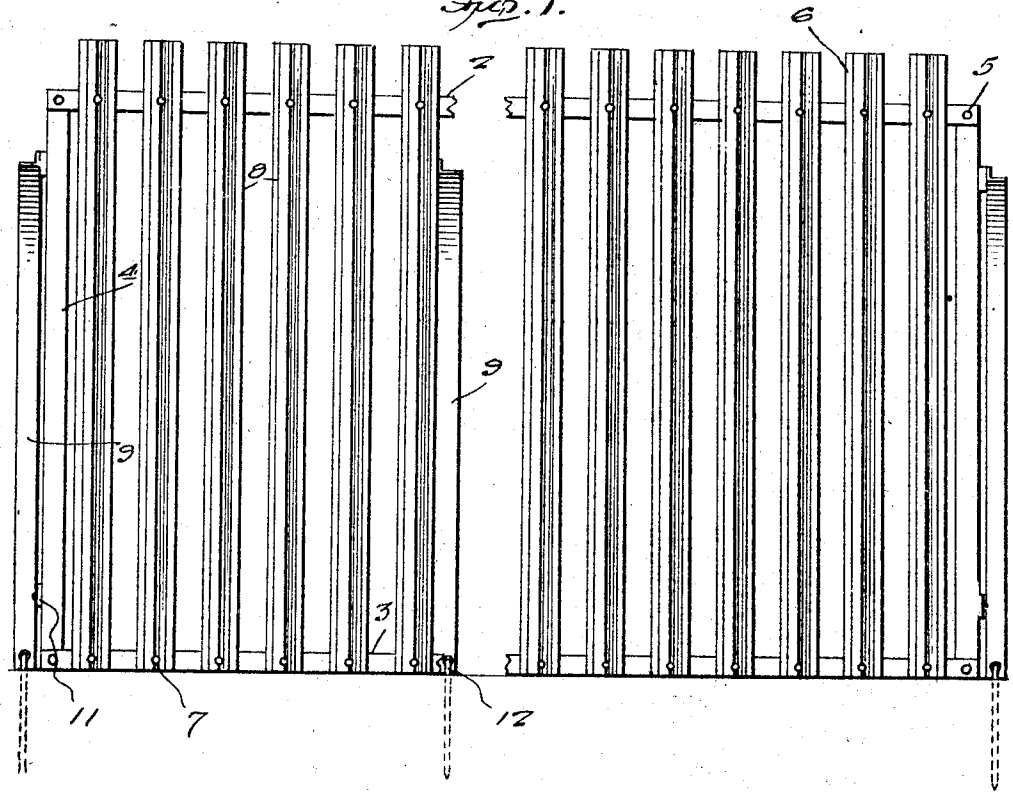



Fig. 2.

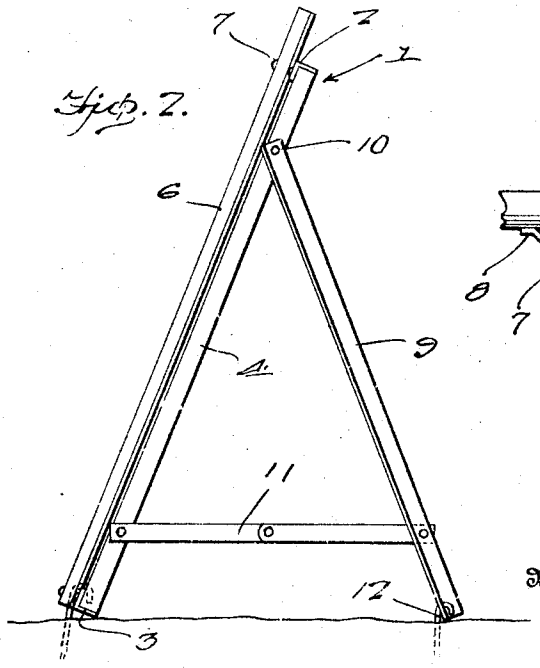
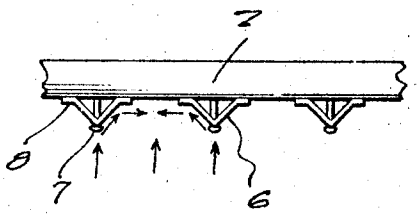



Fig. 3.




Inventor

D. A. McKinnon

By Clarence A. O'Brien.

Attorney

Patented July 14, 1925. 1,545,909

# UNITED STATES PATENT OFFICE.

DONALD A. McKINNON, OF SIOUX FALLS, SOUTH DAKOTA.

## SNOW FENCE.

Application filed January 3, 1925. Serial No. 408.

*To all whom it may concern:*

Be it known that I, DONALD A. McKINNON, a citizen of the United States, residing at Sioux Falls, in the county of Minnehaha and State of South Dakota, have invented certain new and useful Improvements in a Snow Fence, of which the following is a specification.

This invention relates to improvements in fences and is adapted more particularly to improvements in snow fences.

One of the important objects of the present invention is to provide a fence of the above mentioned character, which will be positioned parallel to a highway or road and spaced therefrom in such a manner as to prevent snow from becoming banked on the road or highway.

A further object of the invention is to provide a snow fence of the above mentioned character, wherein the pickets of the fence are of such construction as to cause the neutralization of the air currents and wind whereby the snow will be prevented from being forced through the fence between the pickets onto the road.

A further object of the invention is to provide a snow fence of the above mentioned character, which is of such construction as to permit the same to be readily assembled or disassembled.

A further object is to provide a snow fence of the above mentioned character, which is simple in construction, inexpensive, strong and durable and furthermore adapted for the purposes for which it is designed.

Other objects and advantages of this invention will become apparent during the course of the following description.

In the accompanying drawing forming a part of this specification and in which like numerals designate like parts throughout the same:

Figure 1 is a front elevation of the snow fence embodying my invention.

Figure 2 is an end elevation, and

Figure 3 is a fragmentary top plan view.

In the drawing, wherein for illustration is shown the preferred embodiment of my invention, the numeral 1 designates generally a substantially rectangular shaped frame forming a part of my improved snow fence, the same including the upper and lower longitudinal angle iron members 2 and 3 respectively, and the angle iron end members 4. Any suitable fastening means such as is shown at 5 is provided for securing the frame in an assembled position. If desired, angle iron bracing members may extend between the upper and lower longitudinal members and be secured thereto at their respective ends.

Secured to the upper and lower longitudinal members 2 and 3 of the frame 1 are a plurality of fence pickets 6, the same being arranged in parallel spaced relation and at a suitable distance with respect to each other. The securing means whereby the pickets are supported on the frame is shown at 7.

Each of the fence pickets 6 is constructed of galvanized iron and is substantially V-shaped in cross section, the free edges of each of the pickets having the laterally extending flanges 8 formed thereon in the manner clearly illustrated in Figure 3. The flanges 8 are adapted to abut the front faces of the upper and lower longitudinally extending members 2 and 3 of the frame 1, the fastening bolts 7 employed for securing the pickets on the frame extending through the apex of each of the V-shaped pickets as also clearly illustrated in Figure 3. The purpose of the picket construction of the character above described will hereinafter be more fully described.

For the purpose of supporting the fence at an incline, I provide the supporting braces or legs 9 which are also formed of angle iron material. The upper ends of the supporting members 9 are hingedly secured to the ends of the frame as well as to the intermediate bracing members disposed between the upper and lower longitudinally extending members 2 of the frame as at 10. A hinged bracket 11 is hingedly secured at its respective ends to the frame and the supporting members 9 as clearly shown in Figure 2 of the drawing whereby the supporting members 9 and the frame 1 will be set up in proper position when the hinged brackets 11 are extended.

The fence is adapted to be disposed adjacent a road or highway and parallel thereto, it being understood that the supporting members 9 as well as the rear face of the frame and pickets face the road. The fence is further secured in position adjacent the road or highway by the anchoring pins or stakes 12.

When the fence is set up in position, it will be apparent that the wind and air cur-

rents will strike the apices of the V-shaped fence pickets and travel in the direction of the arrows indicated in Figure 3 of the drawing. The lateral flanges 8 on the free edges of the V-shaped pickets will cause the air currents to travel in the direction substantially at right angles to the direction in which the wind is blowing and will act as a barrier for the wind which is traveling between the pickets of the fence whereby the wind or air currents will be neutralized, thus preventing the snow or the like from blowing through the fence and becoming banked on the road.

The provision of a snow fence of the above mentioned character, enables the same to be readily and easily assembled or disassembled and by constructing the fence of angle iron material, the same is rendered strong and durable. By removing the fastening bolts from the various parts of the fence, the fence may be disassembled in such a manner as to enable the parts comprising the same to be packed in a small amount of space thereby permitting the easy handling of the same.

While I have shown the preferred embodiment of my invention, it is to be understood that various changes in the size, shape and arrangement of parts may be resorted to without departing from the spirit of the invention and the scope of the appended claims.

Having thus described the invention, what I claim is:—

1. A fence comprising a rectangular frame, means for supporting the same at an incline, and fence pickets secured to the upper and lower longitudinal portions of the frame in parallel spaced relation, each picket being substantially V-shaped in cross section, lateral flanges on the free edges of each of the V-shaped pickets, said flanges abutting the aforementioned upper and lower longitudinal portions of the frame.

2. A fence comprising a rectangular frame, means for supporting the same at an incline, and substantially V-shaped fence pickets secured on the frame in parallel spaced relation with respect to each other, lateral flanges formed on the edges of the V-shaped pickets, the lateral flanges of the several pickets cooperating with each other to cause air currents to travel at substantially right angles to the direction in which the air currents are normally traveling to neutralize the latter.

In testimony whereof I affix my signature.

DONALD A. McKINNON.