May 8, 1928.

D. A. McKINNON

1,668,651

SNOW FENCE

Filed Sept. 24, 1926

Fig. 1.

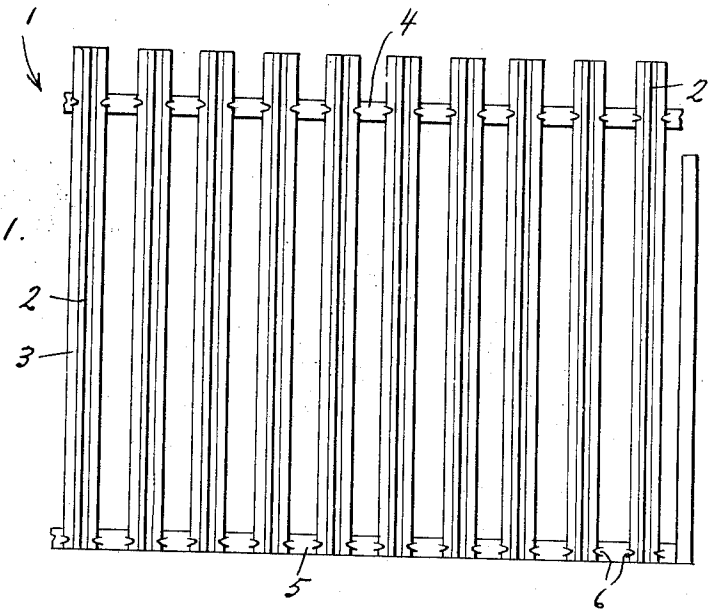


Fig. 3.

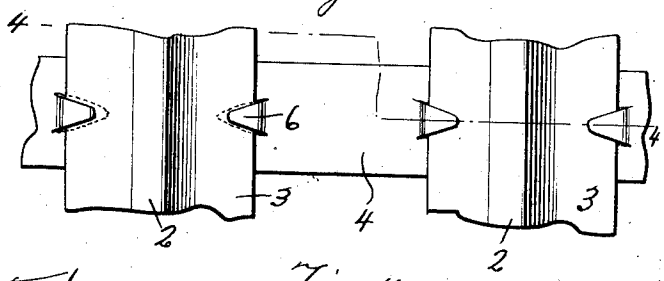


Fig. 2.

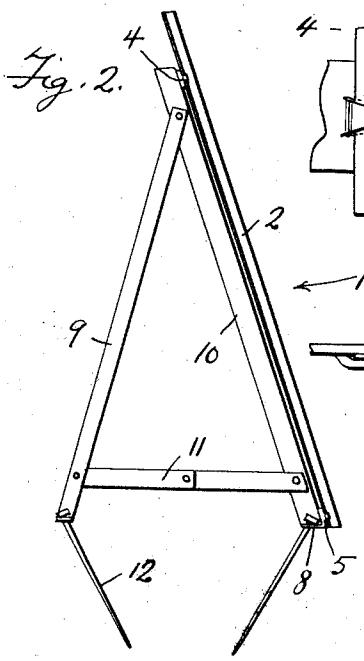
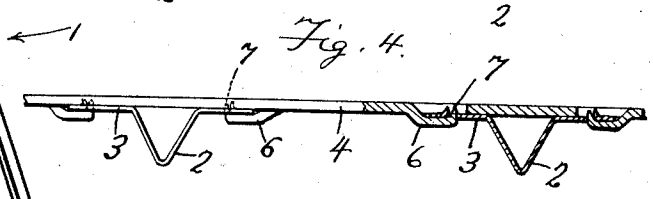


Fig. 4.



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UNITED STATES PATENT OFFICE.

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

SNOW FENCE.

Application filed September 24, 1926. Serial No. 137,507.

The present invention relates to improvements in fences, and is more particularly adapted to an improvement over the snow fence embodied in Patent No. 1,545,909, granted to me July 14, 1925.

One of the important objects of the present invention is to provide a simple and efficient means for securing the fence pickets as illustrated in my prior patent, whereby the pickets will be supported in parallel spaced relation with respect to each other.

A further and important object of the invention is to provide a fence securing means of the above mentioned character which is of such construction as to obviate the necessity of having to employ nails or other similar fastening means for securing the fence pickets on the spacing strips.

A still further object is to provide a fence securing means of the above mentioned character wherein the spacing strips are provided with struck out tongues which engage over the opposite side edges of the pickets, the pointed ends of the tongues or prongs being adapted to pierce the pickets for securing the strips against sliding movement with respect to the pickets.

A further object is to provide a fence securing means of the above mentioned character which is simple in construction, inexpensive, strong and durable and further well adapted to the purpose for which it is designed.

Other objects and advantages of the invention will become apparent from the following description taken in connection with the accompanying drawing:

In the accompanyng drawing forming part of this application and in which:

Figure 1 is a front elevation of my improved snow fence showing the manner in which the fence pickets are secured in parallel spaced relation.

Figure 2 is an end elevation.

Figure 3 is a fragmentary enlarged detail of the fence picket securing means, and

Figure 4 is a sectional view taken approximately on line 4—4 of Figure 3 showing the manner in which the strips are secured on the fence pickets.

In the drawing wherein for the purpose of illustration is shown the preferred embodiment of my invention, the numeral 1 designates generally the snow fence embodying my invention, the same comprising a plurality of fence pickets 2. Each of the fence pickets is constructed of galvanized iron and is substantially V-shaped in cross section, the free edges of each picket having the laterally extending flanges 3 formed therein in the manner as clearly illustrated in Figure 4. The construction of the pickets as well as the purpose thereof has been more fully set out in my prior Patent No. 1,545,-909, and it is not thought necessary to go further in detail relative to the same in the present application.

Extending transversely across the rear faces of the pickets are the upper and lower metallic strips 4 and 5 respectively. Struck out from each of the elongated metallic strips are the spring tongues or prongs 6, and these tongues or prongs are arranged in pairs as is more clearly illustrated in Figures 3 and 4 of the drawing, the purpose to be presently described.

The elongated strips have their front faces abutting the rear faces of the laterally extending flanges 3 formed on each of the fence pickets, and each pair of spring tongues or prongs are disposed over the front faces of the respective laterally extending flanges in the manner as clearly shown in the drawings so that the several pickets 2 will be supported in parallel spaced relation with respect to each other.

For the purpose of locking the spacing strips against vertical sliding movement with respect to the pickets 2, the pointed ends of the tongues or prongs 6 are disposed inwardly as at 7 and pierce the laterally extending flanges 3 formed on the fence pickets 2 in the manner clearly shown in Figure 4. The inwardly disposed pointed ends 7 of the spring tongues or prongs 6 will thus secure the strips 4 and 5, rigidly, with respect to the pickets and maintain the same in proper position adjacent the upper and lower ends of the pickets.

In this manner, considerable time and labor will be saved in securing the fence pickets on the strips when the snow fence is assembled, and will furthermore eliminate the use of nails or other similar fastening means now ordinarily employed for securing fence pickets to the supporting strips or members provided therefor.

As is clearly shown in Figure 2, the lowermost strip 5 is provided with the laterally disposed portion 8 which forms a ground

engaging foot and aids in supporting the snow fence. For the purpose of supporting the snow fence at an incline, I provide the supporting braces 9, the same being also formed of angle iron material. The upper ends of the supporting braces or legs are hingedly secured to the upper ends of the vertical members 10 forming a part of the fence supporting frame. A hinged bracket 11 is associated with the lower ends of the supporting members 9 and the members 10 in the manner as clearly set out in my prior patent. The fence is so secured in position adjacent the road or highway through the medium of the anchoring pins or stakes 12.

It will thus be seen from the foregoing description that I have provided a highly novel, yet simple means for supporting the fence pickets in parallel spaced relation with respect to each other and furthermore, the provision of the pairs of spring tongues or prongs having the fence pickets piercing points will prevent any possibility of the pickets becoming accidentally disengaged from the strips and will further hold the strips against sliding movement.

A fence securing means of the above mentioned character may be manufactured at a very low cost and will be furthermore strong and durable.

While I have shown and described the preferred embodiment of the invention it is to be understood that minor 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 as new and desire to secure by Letters Patent is:—

1. In a snow fence including a plurality of fence pickets, each picket being substantially V-shaped in cross section, flanges extending from the side edges of each of the V-shaped pickets, of means for securing the pickets in parallel spaced relation, said means comprising metallic strips extending transversely across the rear faces of the laterally extending flanges, spring tongues struck out from each strip and arranged in pairs, each pair of spring tongues extending over the front faces of the respective laterally extending flanges of each picket, the free ends of the spring tongues being pointed and disposed inwardly, said pointed ends of said tongues adapted to pierce the lateral flanges on the pickets for locking the strips against vertical sliding movement with respect to the pickets.

2. In a snow fence including a plurality of fence pickets, flanges extending laterally from the sides of each picket, of means for securing the pickets in parallel spaced relation comprising metallic strips extending transversely across the rear faces of the laterally extending flanges, spring tongues struck out from each strip and arranged in pairs, each pair of spring tongues extending over the front faces of the respective lateral flanges of each picket, and co-acting means between the tongues and the laterally extending flanges for locking the strips against sliding movement with respect to the pickets.

In testimony whereof I affix my signature.

DONALD A. McKINNON