

Why Snow Fence with 2" Pickets is Better

For many years, picket type of Snow Fence has been manufactured with pickets $1\frac{1}{2}$ " wide, spaced 2" apart, the same as is used in Corn Cribbing and Garden Fence. As a result of our experience over fifteen years of manufacturing Snow Fence, and the employment of considerable study and research, we have developed a Fence which is particularly designed and made for the prevention of snow drifting. The pickets are wider, being full 2" wide. This increase in width has greatly improved the efficiency of the Fence, and by the proper spacing of these pickets, we have increased the picket coverage per one hundred lineal feet, and materially increased the strength of the Fence, and its ability to stand rough usage, and at no increase in weight.

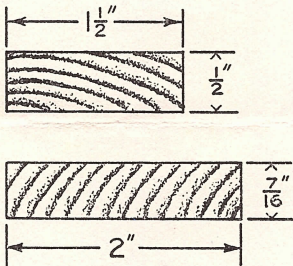


Figure 1

Figure 1, shows to scale, the $1\frac{1}{2}$ " pickets which have been used in Snow Fence in the past, and also the 2" width picket, used in this improved Snow Fence. While the new picket is one-sixteenth of an inch thinner, it is one-half inch wider and has one-sixth more wood, which greatly increases its strength and practically eliminates the breaking of pickets in handling the Fence when erecting and taking down.

It is impossible to obtain lumber entirely free from knots, except at prohibitive cost. It therefore happens that the Grading Rules on Snow Fence pickets allow for occasional knots. While most knots will not exceed one-half inch in diameter, still they are responsible for a certain amount of weakness in the picket, and are responsible for picket breakage. With a half-inch diameter knot, a picket of $1\frac{1}{2}$ " width has only one inch of sound wood left at the point where the knot occurs, whereas in a picket of 2" width, deducting for the diameter of the knot, there is still one and one-half inches of sound wood left. Figure 2 clearly shows the effect of a knot in the two different kinds of pickets, and it is readily seen that where a knot does occur, the 2" width picket is still 50% stronger at the knot, than the $1\frac{1}{2}$ " picket. This is one of the principal reasons why this improved type of Fence stands up so much better under rough handling and bad weather conditions.

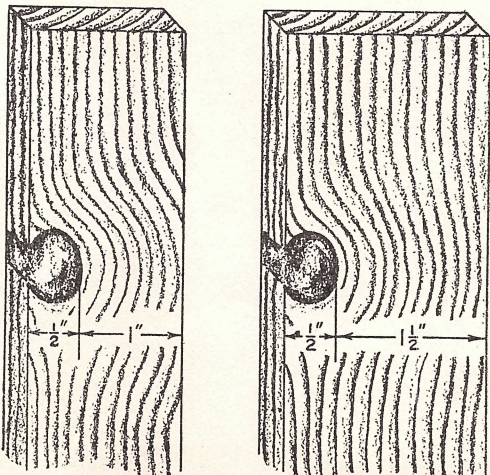


Figure 2

The efficiency of Snow Fence depends upon the picket coverage per hundred lineal feet, and this improved type of Snow Fence with the 2" width pickets has 534 inches of picket coverage per one hundred lineal feet of Fencing, as compared to 514 inches on the Fence with $1\frac{1}{2}$ " pickets. This is graphically illustrated in Figure 3, and shows one of the reasons why this improved type of Snow Fence is more efficient in stopping snow.

The weight of a roll of Snow Fence has a considerable bearing on the ease of handling and the time it takes to erect, and each roll of this improved type of Snow Fence is slightly lighter in weight than the old type Fence, in spite of the fact that it is stronger and more efficient. This is in line with the modern tendency to reduce weight by improvement in design. The rolls of improved type of Snow Fence are also slightly smaller in diameter, which means that more Fence can be stored in the same space during the summer months.

This improved type Snow Fence with the 2" width pickets has been designed throughout with the object of providing the maximum efficiency in the control of snow drifting, and is not just an adaptation of Picket Garden Fencing.

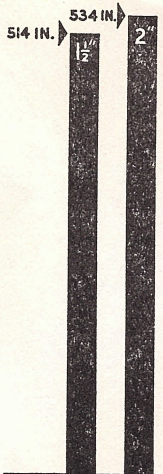


Figure 3

ILLINOIS WIRE & MANUFACTURING CO.
JOLIET, ILLINOIS

BIG RED SNOW FENCE

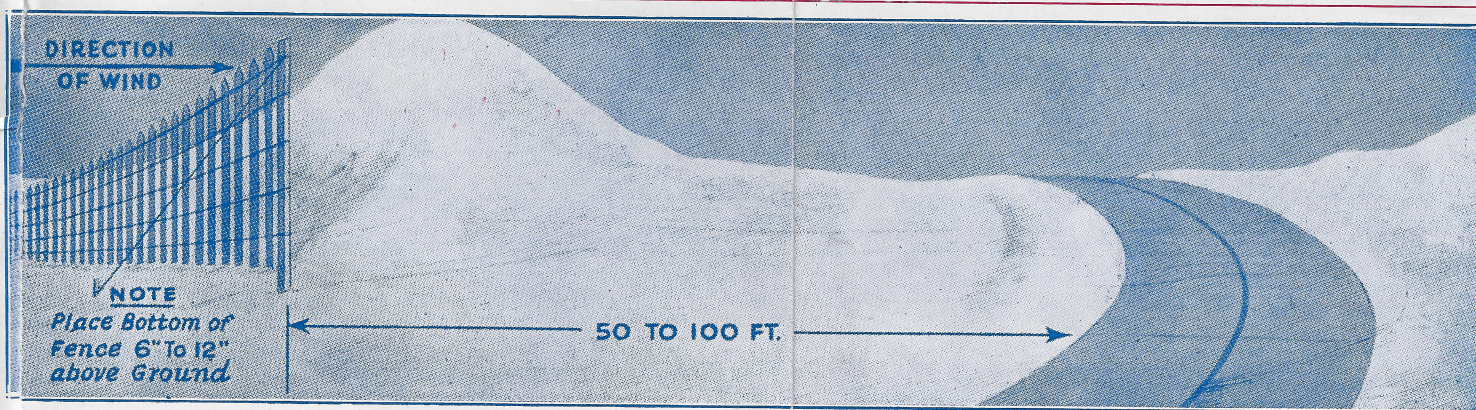
PREVENTS DRIFTS ALL WINTER

QUANTITY PRODUCTION ASSURES QUALITY AT LOW PRICE

BIG RED SNOW FENCE is the result of our forty-five years' experience and is the most effective snow fence it is possible to make and is also by far the most economical fence on the market today.

Being the largest manufacturers of snow fencing and producing on our own patented high speed automatic machines, our production costs are extremely low and the economies effected thereby, also the savings effected in buying raw materials in large quantities we are passing on to our customers. This explains why we can market a quality product at prices comparable to inferior makes of snow fence.

We wish to particularly call attention to the method of weaving the pickets in BIG RED SNOW FENCE so tightly between the wires that there is no opportunity for them to loosen and fall out. This is effected without injuring the galvanizing on the wires. Incidentally, this new method of fabricating assures absolutely uniform spacing of the pickets. Below is shown a cross section of BIG RED SNOW FENCE showing how tightly the wires lay around the pickets.



METHOD OF ERECTING

BIG RED SNOW FENCE should be erected at a distance of from 50 to 100 feet from the windward side of the road running at right angles to the direction of the prevailing winds. Iron posts of the driven type are used. The Snow Fence is then unrolled and tied to the posts, with pieces of No. 12 wire, about 3 to each post. Bottom of pickets should be one foot from surface of ground. Rolls are of convenient size and shape to be rolled about like barrels and are handled by two men. Compare the weight and compact size of 100 feet of this material with bulk and weight of the old "Lumber" Snow Fence.

SPECIFICATIONS

Pickets

Made from the best sound, live, merchantable timber. Size: $\frac{7}{16}$ in. x 2 in., space $2\frac{1}{2}$ in. apart. Treated with Red Mineral Preservative which effectively prevents decay by killing fungus and sealing pores.

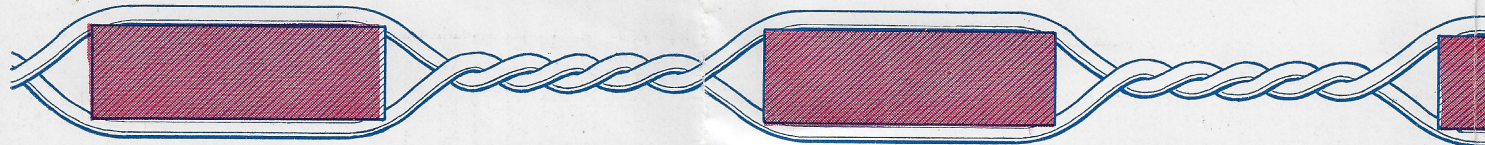
Wire

Specially Galvanized by New Process which gives heavy, ductile coating which will not crack or peel, and has extremely long life. Size No. 12 $\frac{1}{2}$, made from steel of high tensile strength.

Construction

Made on special machines which force the pickets so tightly between the wires that they will not come loose even under very severe conditions. The fence is stretched after weaving and before being placed in rolls. Five double strands of wire are used on the 4 ft. height. Railroads use 4 ft., 5 ft., and 6 ft. Fence.

An Ounce of Prevention is Worth a Ton of Shoveling



Section of STANDARD "BIG RED" SNOW FENCE. Note how tightly the wires are compressed around the pickets.

NEARLY THREE OUT OF EVERY
FOUR MILES OF SNOW FENCE ARE
"BIG RED"

Lufkin, Texas
Buffalo, N. Y.
East St. Louis, Ill.
Minneapolis, Minn.

MADE BY

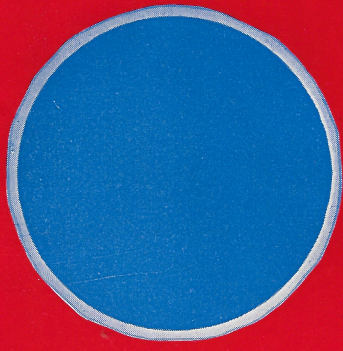
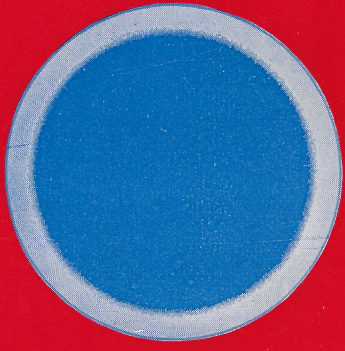
Illinois Wire & Manufacturing Co.

JOLIET, ILLINOIS

Council Bluffs, Iowa
Marshfield, Wis.
Cumberland Mills, Md.
Helena, Mont.

Magnified Cross Section of Special Wire used in "BIG RED" Snow Fence.

Note the extra thickness of zinc, also how it bonds to the surface of the wire. No greater possibility of peeling of the heavy zinc coating on this heat treated wire than a thin zinc coating applied by old process.



Ordinary Galvanized Wire — Magnified Cross Section.

Note the comparatively thin coating of zinc, also how unevenly it is applied. The ordinary process of galvanizing coats the wire with zinc without amalgamating it with the body of the steel.

A REVOLUTIONARY DEVELOPMENT IN THE ART OF RUSTPROOFING SNOW FENCE WIRE

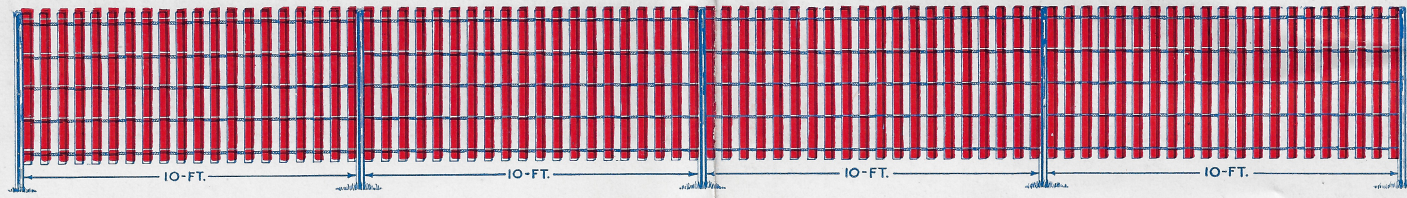
IMPORTANCE OF WIRE USED IN SNOW FENCE

From a standpoint of service, the wire between which the pickets are woven is one of the most important items in Snow Fence construction. With this in mind we weave BIG RED SNOW FENCE with a special wire made to our own specifications by one of the largest steel companies in the country.

We first require that the steel used in the wire be of one of the highest grades of open-hearth steel of unusual tensile strength and that it be carefully drawn and annealed so as to be of uniform size and texture. It is then specially treated so that when the galvanizing is applied it will thoroughly bond with the steel. This is extremely important, as with the ordinary grades of galvanized wire this lack of bonding causes flaking and peeling of the coating.

The spelter used is of the best grade of pure, virgin zinc of great ductility, which gives a uniform, thick coating which withstands twisting in weaving without cracking and flaking off. It is this absence of cracking and the thick coating of galvanizing which gives BIG RED SNOW FENCE two to three times the life of other similar fences. Since "BIG RED" costs no more than inferior kinds of Snow Fence, it is by far the most economical.

FOR SALE BY
R. M. LIGHTBODY
TELEPHONE 1195
WATERVILLE, MAINE



Standard Installation of 4 foot Big Red Snow Fence

Form 117-A

For the Greatest Protection and Longest Life Insist on "Big Red Snow Fence"

