J. A. SOMMERLATTE.

TIE SPACER.

APPLICATION FILED FEB. 15, 1919.

1,319,931.

Patented Oct. 28, 1919.

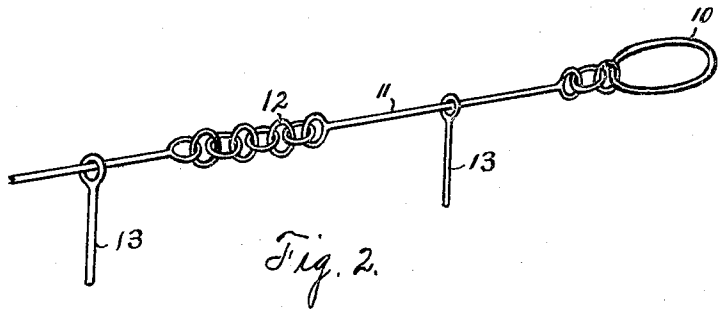


Fig. 2.

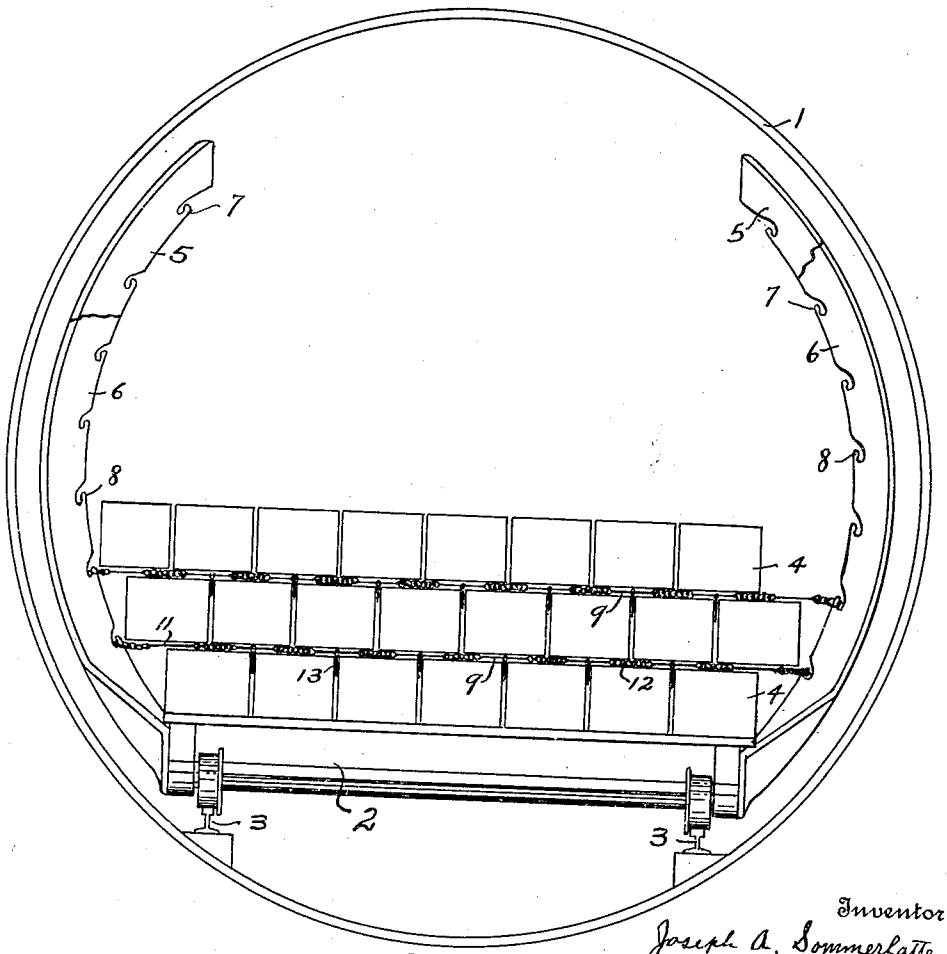


Fig. 1.

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TIE-SPACER.

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To all whom it may concern:

Be it known that I, JOSEPH A. SOMMERLATTE, citizen of the United States, residing at Hallettsville, in the county of Lavaca and State of Texas, have invented certain new and useful Improvements in Tie-Spacers, of which the following is a specification.

This invention relates to new and useful improvements in a tie spacer.

One object of the invention is to provide a device of the character described which has been specially designed for the purpose of spacing ties, when loaded on trucks in the process of creosoting the same.

In the process of creosoting ties, and the like, a large cylinder is usually employed, and the ties are loaded on small trucks, which are run upon a track into the cylinder for the purpose of treatment. Unless the ties are spaced apart, when loaded on the truck, they will fit so closely together that the treating fluid can not thoroughly percolate between them, and consequently they are not thoroughly and uniformly saturated with the creosote. It is the object of this invention to provide a spacer which will hold the tiers of ties apart and will also hold the individual ties in each tier apart, so as to permit the treating fluid to freely flow between them to reach all sides of each tie.

Another object of the invention is to provide a device of the character described, which will be simply and easily constructed, and easily applied for the purposes intended.

With the above and other objects in view, the invention has particular relation to certain novel features of construction, arrangement of parts and use, an example of which is given in this specification and illustrated in the accompanying drawings, wherein:

Figure 1, shows an end view of a cylinder with a loaded truck therein showing the ties spaced by my improved form of spacer, and

Fig. 2, shows an enlarged fragmentary view of the spacer.

Referring now more particularly to the drawings, wherein like numerals of reference designate similar parts in each of the figures, the numeral 1 refers to the cylinder wherein the ties are treated, the ties being conveyed into said cylinder by means of a truck 2, which moves on the track 3, leading into the cylinder. The ties 4 are loaded upon the truck in tiers, in common practice there being eight tiers to the load, and the truck body has the front and rear standards 5, 5 and 6, 6, which are arcuate in form to conform to the contour of the cylinder and which are provided to retain the ties in position on the truck. Each of the front standards has a row of hooks 7, the corresponding hooks of each standard being arranged in alinement, and likewise the rear standards having similar hooks 8 arranged in transverse alinement, the hooks of each standard being spaced apart a distance approximately equal to the thickness of the tie. Spacer chains 9 are provided whose ends have secured thereto the rings 10, 10. These chains are stretched between the front and rear standards, their end rings engaging over the corresponding hooks 7 and 8. These chains are formed of a plurality of long links 11, which are flexibly connected together by means of rings or short links 12, and slidably mounted upon each of the long links is a depending spacing finger 13.

When the truck is empty, the spacer chains 9 are hung on the corresponding hooks upon one side of the truck. When the first tier of ties is placed on the truck, the front and rear chains are stretched across, upon top of the ties, and their end rings 10 are engaged over the lower hooks of the front and rear standards on each side, and the spacing fingers 13 are projected down between the individual ties of the tier. These spacing fingers will space the ties a short distance apart. The next tier of ties is placed on the truck and the chains which have been stretched across the first tier will space the second tier a short distance above the first tier. The second chains from the bottom are then stretched across the second tier of ties and the spacing fingers thereof are fitted between the individual ties of the second tier, and so on until the truck is entirely loaded. When the load is completed, it is obvious that each tie will be spaced a distance from the adjacent ties of the load, so that when the load is run into the cylinder to be treated, the treating fluid will flow freely through between the ties and will reach all parts of the surface of each tie, so that the ties will be thoroughly and uniformly saturated.

What I claim is:

1. A device of the character described, in-

cluding a plurality of long links, flexibly connected together and spacing fingers slidably mounted and depending from the respective links.

2. A device of the character described including a plurality of long links flexibly connected together, spacing fingers slidably mounted upon the respective links, and depending therefrom, and end rings carried by the end links.

3. A device of the character described, including a flexible support, means provided for the attachment of the ends of said support to stationary objects, spacing fingers depending from the support, and movable lengthwise thereon, and means for limiting the movement of each finger.

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

JOSEPH A. SOMMERLATTE.

Witnesses:

WM. DAVIES,

E. V. HARDWAY.

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