LE ROY D. LEWIS.

METHOD FOR USE IN BALING AND TRANSPORTING CORDWOOD.

APPLICATION FILED FEB. 6, 1919.

1,333,180.

Patented Mar. 9, 1920.

Fig. 3.

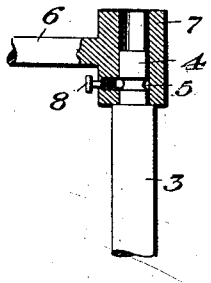


Fig. 1.

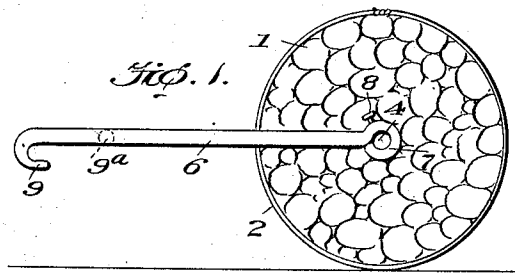


Fig. 4.

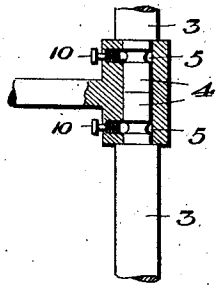


Fig. 2.

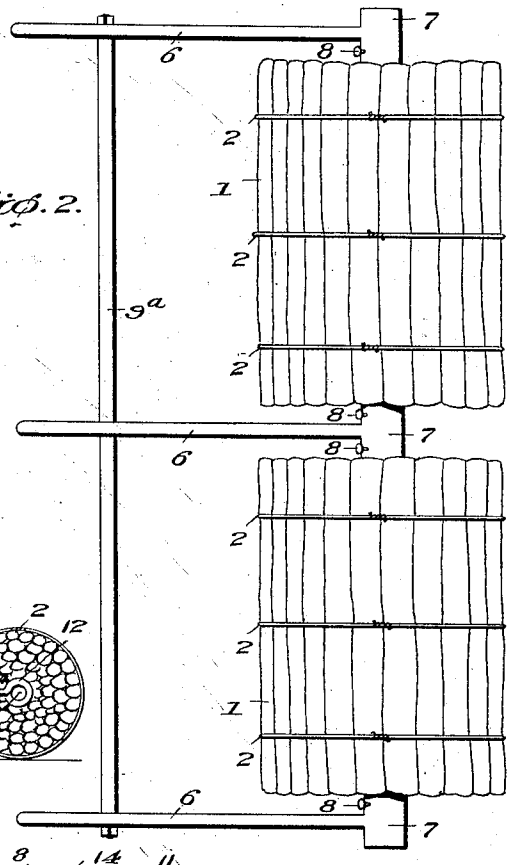


Fig. 5.

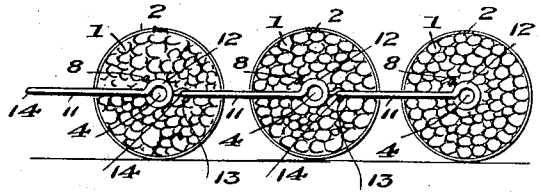
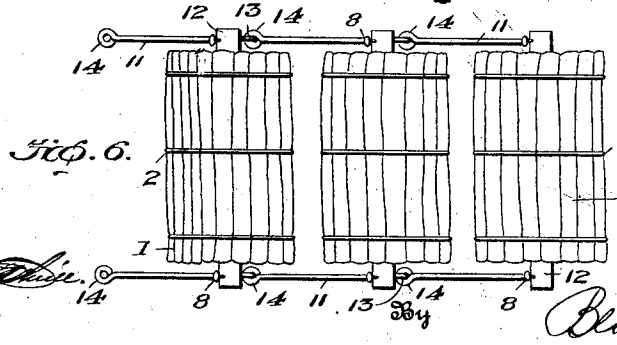


Fig. 6.



Witness:

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UNITED STATES PATENT OFFICE.

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METHOD FOR USE IN BALING AND TRANSPORTING CORDWOOD.

1,333,180. Specification of Letters Patent. Patented Mar. 9, 1920.

Application filed February 6, 1919. Serial No. 275,301.

To all whom it may concern:

Be it known that I, LE ROY DANBY LEWIS, residing at Seattle, in the county of King and State of Washington, a citizen of the United States, have invented a certain new and useful Method for Use in Baling and Transporting Cordwood; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same.

My invention relates to an improved method for use in baling and transporting cord wood.

The invention consists in the several features and in the construction, combination and arrangement of features as more fully hereinafter described and claimed.

The object of the invention is to provide a method whereby the baling, handling and transporting of cord wood is facilitated.

A further object is to provide a method for baling cord wood in such shape that it may be transported by rolling it bodily, from the forest or other place where it has been cut and sawed to the proper thickness and length, to any designated place desired.

A further object is to provide a method for forming cord wood into circular bales or bundles, preferably of the following sizes: Six feet four inches in diameter and four feet in length, containing one cord of wood; two feet in diameter and four feet in length, containing one half cord of wood; one foot in diameter and four feet in length containing one quarter cord of wood; sixteen inches in diameter and four feet in length containing one third of a cord of wood, or any other size desired.

A further object is to provide a method for eliminating the necessity of loading cord wood onto trucks, wagons or other vehicles in order to transport the same from place to place.

A still further object is to provide a method for baling and transporting cord wood which is simple, inexpensive and durable in construction and easy and effective in use.

Referring to the drawings which illustrate one form of means for carrying out or performing my method:

Figure 1 is a side view of my invention;

Fig. 2 is a top plan view of Fig. 1;

Fig. 3 is a detail partly sectional view, on an enlarged scale, of the spring device used to retain the arms on the extreme outer ends of the core;

Fig. 4 is a detail partly sectional view of the spring device used between the bales to retain the arms on the inner ends of two adjacent cores;

Fig. 5 is a side view showing the bales arranged in tandem; and

Fig. 6 is a top plan view of Fig. 5.

In the drawings in which like reference characters denote like parts throughout the several views, 1 represents a plurality of sticks of cord wood, preferably four feet in length, which are formed into a cylindrical bale and held in place by a series of bale wires 2, the ends of each bale wire being secured together in any desired manner, and 3 is a core preferably made of wood, but which may be made of any other suitable material, placed lengthwise in the center of the plurality of sticks of cord wood in the bale. Each end of the core 3 is provided with a reduced portion 4 having an annular groove 5, and 6 are arms each provided with a sleeve 7 having a spring pin 8 adapted to engage the annular groove 5 and thereby lock the arms to the core and prevent the lateral movement of the bales.

The arms 6 are each provided with a hook 9 to which a tractor or other motive power for transporting the bales may be secured. In order to space the arms 6 apart and keep them parallel, a tubular bar 9 is provided the opposite ends of which are bolted to the arms 6.

In Fig. 4 is shown an arm provided with a double set of spring pins 10 for engaging the grooves in the cores, which is used between the bales, to connect the inner ends of the cores.

In Figs. 6 and 7 the bales are shown as arranged in tandem, the cores being connected together by means of a series of arms 11 each having a sleeve 12 with a spring pin to engage grooves in the core, and a hook 13 to engage the hooked end 14 of the arm of the following bale.

Although I have only shown two bales of cord wood arranged laterally side by side and three bales when arranged in tandem the number may be increased or diminished as desired.

In assembling the device the cord wood is formed into a round bale with the core in-

serted longitudinally through the middle portion thereof, the sleeves of the arms placed over the ends of the cores and locked by means of the spring pins, when the bale is ready to be transported to the desired destination by rolling the same.

What I claim is:—

1. The method of preparing cord wood for transportation consisting in forming the sticks of wood into a substantially cylindrical bale, inserting a core within said bale and attaching means to said core for rolling the bale.

2. The method of preparing cord wood for transportation, consisting in forming the sticks of wood into a substantially cylindrical bale, tying the bale so formed together and attaching means to said bale for rolling the same.

3. The method of preparing cord wood for transportation, consisting in forming the sticks of wood into a substantially cylindrical bale, tying the same, inserting a core in the center of the bale and attaching means for rolling the bale to the said core.

4. The method of preparing cord wood for transportation, consisting in forming the sticks into a compact cylindrical bale, tying the same, inserting a core in the center of the bale and attaching means for rolling the bale.

In testimony whereof I have affixed my signature.

LE ROY DANBY LEWIS.