Dec. 18, 1923. 1,477,975

J. OLSON

TAPE FOR WHEELS

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Fig. 1.

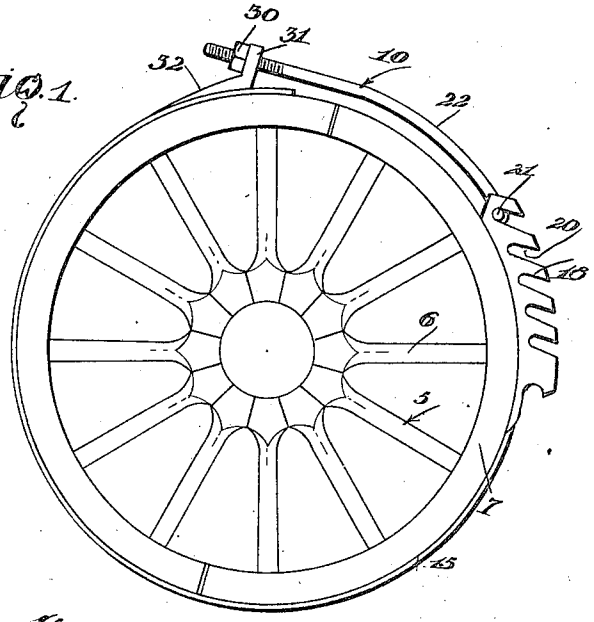


Fig. 2.

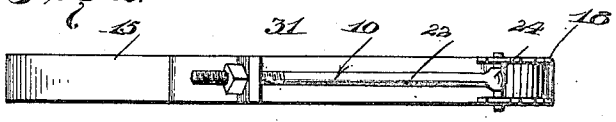


Fig. 3.

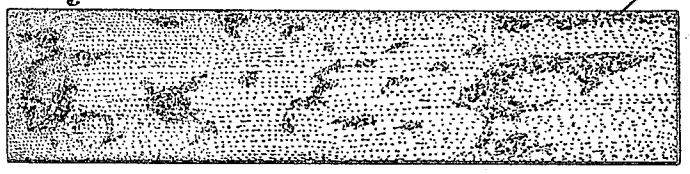


Fig. 4.



WITNESSES

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UNITED STATES PATENT OFFICE.

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TAPE FOR WHEELS.

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To all whom it may concern:

Be it known that I, JENS OLSON, a citizen of the United States, and a resident of Lewiston, in the county of Nez Perce and State of Idaho, have invented certain new and useful Improvements in Tapes for Wheels, of which the following is a specification.

This invention relates to an improved clamp and tape especially adapted for use in setting and re-setting and repairing wheels employed on automobiles and other vehicles.

Briefly stated, an important object of this invention is to provide a tape which may be arranged tightly about the felly of a wheel so as to keep water from swelling the felly and from drying out, and the iron rim from rusting and peeling off, thereby preventing the rim from becoming loose on the felly.

Further, the invention forming the subject matter of this application aims to provide a tape or binding for wheel fellies consisting of canvas, or other fabric asphalt and asbestos, the asbestos acting to prevent the red hot rim upon being applied, from burning the canvas or other fabric and asphalt.

Also, the invention forming the subject matter of this application aims to provide a novel form of clamp for holding the wheel in position during the installation of the hub, and repairing the wheels.

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

In the accompanying drawing forming a part of this application, and in which like numerals are employed to designate like parts throughout the same.

Figure 1 is a side elevation of a wheel with the improved clamp in position thereon,

Figure 2 is an end elevation of the improved clamp,

Figure 3 is a fragmentary plan view of the tape embodied in the invention, and

Figure 4 is a longitudinal sectional view illustrating a piece of tape embodied in the invention.

In the drawing, wherein for the purpose of illustration is shown a preferred embodiment of the invention, the numeral 5 generally designates a wheel consisting of a plurality of radial spokes 6 and the usual felly 7 and the clamp forming the subject matter of this application is designated generally by the numeral 10.

The clamp which is designated by the numeral 10 is especially adapted for drawing the sections of the felly and spokes together subsequent to the installation of the hub of the wheel and it will be observed that when the hub has been installed the clamp may be tightened for properly positioning the felly about the spokes.

Specifically the clamp consists of a band 15, one end of which is provided with laterally directed flanges 18 having diagonally extending slots or openings 20 for the reception of lugs 21 carried by the head 24 of a rod 22. It will be seen that the pairs of slots 20 permits the connection of the rod 22 with the band to be varied, whereby the band may be used in connection with wheels of various diameters. Furthermore, it will be observed that the rod 22 is curved longitudinally so as to conform to the periphery of the wheel.

Figures 1 and 2 illustrate that one end of the rod 22 is threaded and has engagement with a nut 30 which engages the ear 31 secured to one end of the band through the medium of an attaching plate 32. In the use of the invention, the lugs 21 which project laterally from the head 24 are, of course, adjustably connected to the flanges 18 and the nut 30 is tightened after the installation of the hub so as to draw the felly of the wheel.

When the hub has been installed the clamp is removed and a piece of tape designated by the numeral 12 is arranged about the felly of the wheel. Tacks are employed to securely hold the tape in position and it will be noted that the tape 12 enlarges the circumference of the wheel somewhat so that it will again have its original circumference

The improved tape consists of a canvas or fabric body impregnated with asphalt and asbestos, the asbestos preventing the red hot iron rim from burning the canvas or other fabric and asphalt. The asphalt and asbestos of course provide the necessary wear resisting quality and consequently a very efficient tape is provided.

After the tape has been tacked in position the red hot iron rim may now be arranged upon the wheel and when it subsequently contracts, water will be absolutely excluded. Therefore the water cannot swell the felly and the iron rim is prevented from rusting.

With reference to the foregoing description, taken in connection with the accom-

panying drawings, it will be apparent that I have designed a highly efficient tape and clamp which contributes to the efficient repairing of an automobile wheel or the manufacture of the same.

Having thus described the invention, what is claimed is:—

1. A tape for wheel fellies comprising a body of canvas or other fabric impregnated with asphalt and asbestos.

2. A tape for wheel fellies comprising a body of canvas or other fabric impregnated with asphalt and asbestos.

JENS OLSON.