(No Model.)

E. T. CHANEY.

SAND BAND FOR VEHICLE WHEELS.

No. 262,928. Patented Aug. 22, 1882.

Fig. 1.

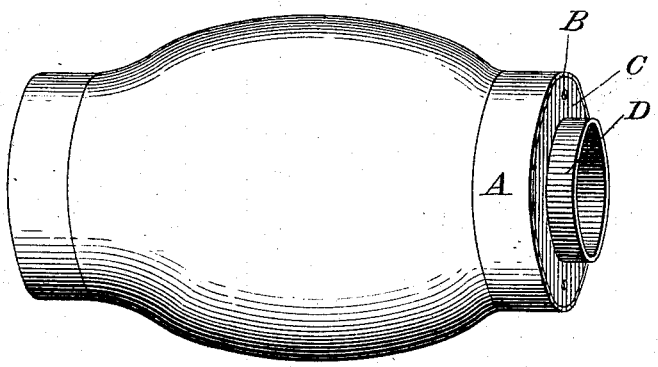
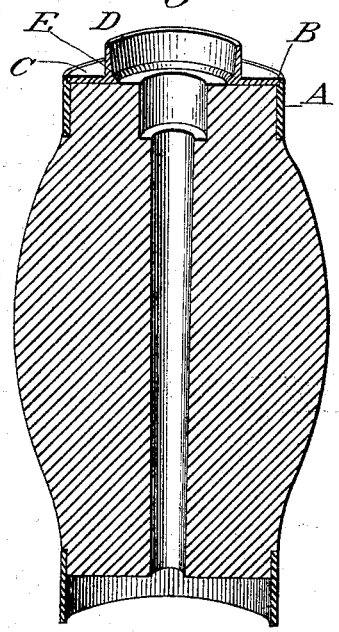


Fig. 2.



Witnesses:

Frank Craig

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UNITED STATES PATENT OFFICE.

EDWARD T. CHANEY, OF HERMON, NEW YORK.

SAND-BAND FOR VEHICLE-WHEELS.

SPECIFICATION forming part of Letters Patent No. 262,928, dated August 22, 1882.

Application filed March 18, 1882. (No model.)

To all whom it may concern:

Be it known that I, EDWARD T. CHANEY, a citizen of the United States, residing at Hermon, in the county of St. Lawrence and State of New York, have invented a new and useful Improvement in Sand-Bands for Vehicle-Wheels, of which the following is a specification.

My invention relates to improvements in hub and sand bands made in two separate parts, and so constructed that the band, with its rim or flange, can be joined to the hub-band by means of a groove, rabbet, screw, or other suitable device. The inner edge of the sand-band next to the hub has a small bead or rim thereon, and is made thickest on its inner edge, tapering outward on both its inner and outer surfaces the more effectually to convey any dirt or deleterious matter that might get on it or in it away from the collar or shoulder of the axle. The hub-band and sand-band, with its rim, are so joined as to present a solid metal end with axle-hole therein. The sand-band is securely held in its position by means of nails or screws passing through its rim into the end of the hub. Hub-band and sand-band with its rim or flange may be made of composition, brass, malleable iron, or other suitable metal, and of all sizes required for wheels.

Heretofore sand-bands, when used, have either been entirely disconnected from the band that encircles the back or inner end of the hub, or sand-band, hub-band, and flange have all been cast in one piece. The first of these has usually been objectionable on account of its untidy appearance. The last is impracticable, because the axle-box cannot be set in the hub after the band is driven onto the hub. Neither can the axle-box be tightened or repaired in any wise when required without first removing the sand-band and hub-band, then using a false band, in order to be able to reset or tighten the axle-box, if required, which necessitates the defacing and impairing of the finished hub, as well as the extra time and labor expended in preparing for the required work of setting, resetting, or repairing. I have overcome the above objections in my invention as follows:

In the accompanying drawings, in which similar letters of reference refer to like parts, Figure 1 is a perspective of a hub with band encircling the back or inner end of the same and sand-band with its rim or flange, which connects the two and covers a portion of the end of the hub, all in their proper position as when in use. Fig. 2 is a longitudinal section.

A is the band that encircles the end of the hub, in the inner surface of the outer edge of which is a groove or rabbet, B, in which is placed the rim C, to which is attached sand-band D, which is made with a small bead or rim on the inner surface of its inner edge, as shown at E. The sand-band is also made thicker on its inner edge, and tapers outward on both its inner and outer surfaces the more effectually to convey any dirt or deleterious substances that might get on it or in it away from the collar or shoulder of the axle-tree. The sand-band is more securely held in its position by nails or screws passing through the rim of the same into the end ot the hub. Hub-band and sand-band, together with its rim, are to be made of composition, brass, malleable iron, or other suitable metal.

I do not limit myself to any particular manner of connecting the rim of the sand-band with the hub-band; but

What I claim as my invention, and wish to secure by Letters Patent, is—

1. The sand-band D, having rim C, in combination with the hub-band A, having groove or rabbet B, the rim C being adapted to fit into the groove or rabbet, substantially as described.

2. The sand-band D, having both its inner and outer surfaces tapering toward its outer edge, and provided with a bead, E, substantially as specified.

EDWARD T. CHANEY.

Witnesses:
ALEX. STOKES,
B. R. STONE.