(No Model.)

D. BAKENHUS & A. MUESELER.

TRUCK.

No. 418,838. Patented Jan. 7, 1890.

Fig. 1.

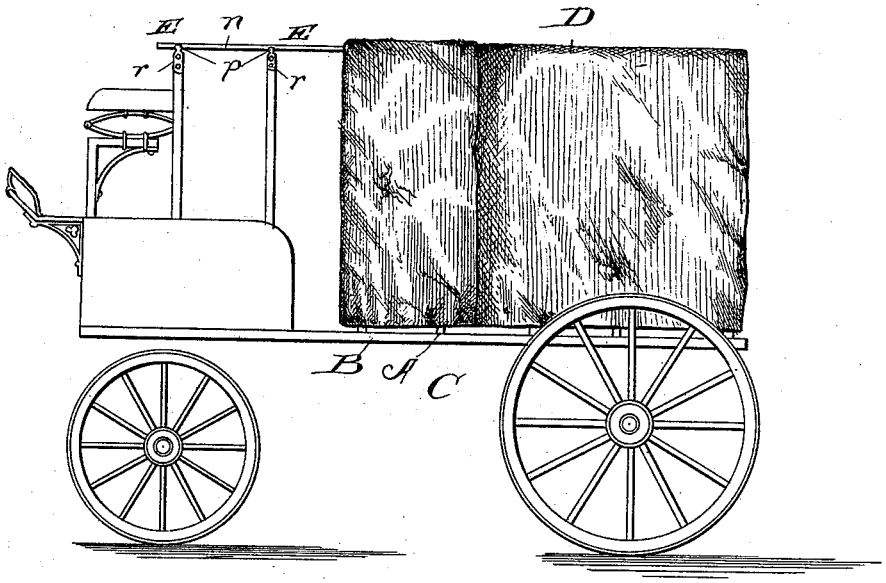


Fig. 2.

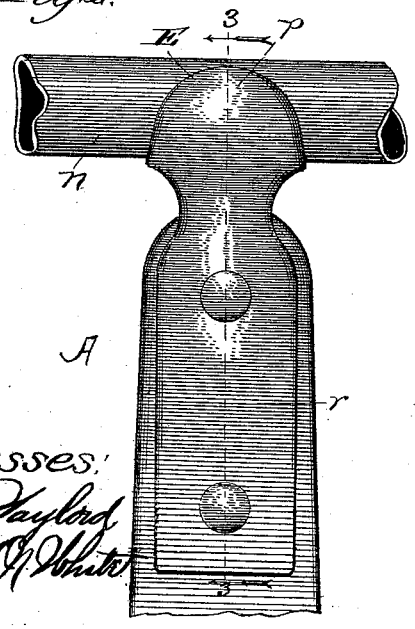
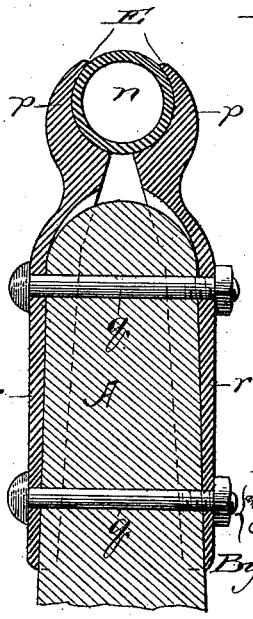


Fig. 3



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UNITED STATES PATENT OFFICE.

DIETRICH BAKENHUS AND ALBERT MUESELER, OF CHICAGO, ILLINOIS.

TRUCK.

SPECIFICATION forming part of Letters Patent No. 418,838, dated January 7, 1890.

Application filed October 15, 1889. Serial No. 327,062. (No model.)

To all whom it may concern:

Be it known that we, DIETRICH BAKENHUS and ALBERT MUESELER, citizens of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Trucks, of which the following is a specification.

Our invention relates to an improvement in the form of wagon known by the term "truck," and, more particularly stated, to the form of such wagon around and near the lateral edges of the platform of which openings or sockets are provided at intervals to receive and sustain stakes, which thus answer the purpose of the sides of a wagon-box to confine the load. In wagons of the aforesaid class the means commonly employed to shield the load is a "cover" of some suitable waterproof material, such as rubber, canvas, or other cloth. The upper ends of the stakes over which the cover is adjusted tend to wear through the cover by the weight of the latter against the ends and the instability of the stakes in their sockets, which causes them to be oscillated against the cover by the jarring of the truck while in motion.

The object of our improvement is to provide improved means for preventing injury from the upper ends of the stakes to the cover, and means which shall also tend to render the stakes more stable and uniform in their movements under the effect of jarring of the moving truck, and to diffuse the strain in an outward direction of the load against the stakes the more equally throughout the series of stakes on the several sides of the truck-platform at which they may be provided.

In the accompanying drawings, Figure 1 is a view in side elevation of a truck provided with our improvement and showing a cover adjusted to extend partly over the series of stakes; Fig. 2, a view in side elevation of the upper end portion of a stake provided with our improvement, the tubular connecting medium between stakes being shown as broken away; and Fig. 3, a section taken on the line 3 3 of Fig. 2, viewed in the direction of the arrows, and showing the securing-bolts in elevation.

A is a stake, which may be of ordinary or any suitable form and material. Toward the upper end of the stake we apply to each of two opposite sides brace-pieces r and r', secured together, as by the bolts q, and extending beyond the end of the stake, where each terminates in a jaw p, concaved on its inner surface to conform to the connecting medium n, hereinafter described, and rounded on its outer surface. The two jaws p thus face each other and afford, when adjusted as hereinafter explained, a clamp E, for the connecting medium n. As many stakes A as required are adjusted in their respective sockets of the platform B of a truck C, and are united in series on each side of the truck by the connecting medium n, which should present a rounded surface, and for which purpose and for the further purposes of the lightness and strength it affords we prefer to employ metal tubing, gas-pipe being the most desirable kind. The tubing thus extends along the tops of the stakes and is clamped between the jaws p thereof. If ever it is required to remove a stake or different stakes, as in case of breakage, necessitating replacing with a new one for each so broken, this may be readily accomplished; without having to that end to disturb the tubular connection, by merely loosening the bolts securing the brace-pieces r and r', to permit separation thereof from the stake to be removed and from the tube n, and inserting, to take its place, another stake provided with the jaws, which are then caused to embrace the tube and are clamped together by securing them with the bolts q and their nuts. As will be seen, the connecting medium between the stakes so unites the latter as to prevent their being independently movable, thereby increasing their resistance to outward pressure against them and preventing the tendency to wear the cover D, which is supported on the smooth or rounded surfaces afforded by the clamps and tubes on the upper ends of the stakes.

What we claim as new, and desire to secure by Letters Patent, is—

1. A truck-stake A, provided with a clamp E, comprising brace-pieces r and r', secured to the stake and terminating beyond one end of the same at opposite sides thereof in jaws

p, hollowed out on their opposing inner surfaces, and thereby adapted to clamp between them and conform or substantially conform to a connecting medium—such as the tube n—transversely thereof, and rounded on their external surfaces, substantially as and for the purpose set forth.

2. In combination with a truck C, stakes A at the opposite sides of the truck-platform, surmounted at their upper ends by clamps E, each comprising jaws p, concave on their inner sides and rounded on their external surfaces, extending from brace-pieces r and r', removably secured to opposite sides of the stake, and a metal tube n, extending across the ends of the stakes on each side of the truck and clamped between the jaws, substantially as and for the purpose set forth.

DIETRICH BAKENHUS.
ALBERT MUESELER.

In presence of—
W. H. DYRENFORTH,
M. J. FROST.