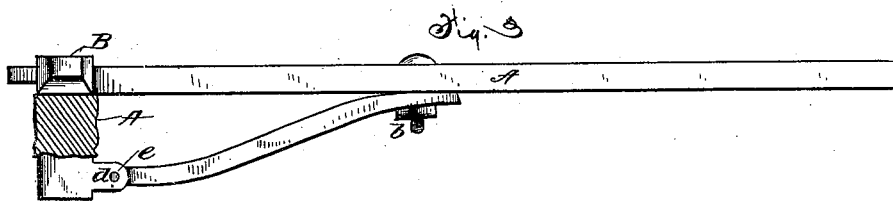
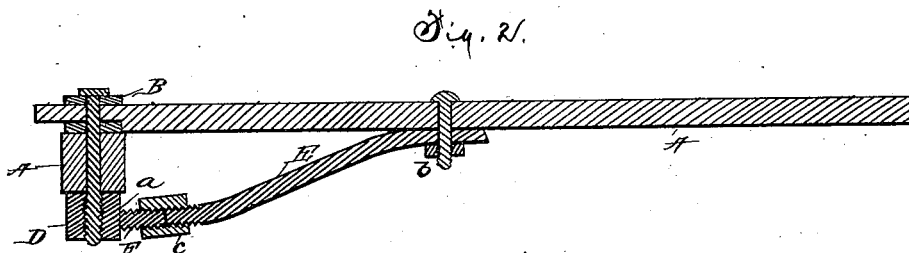
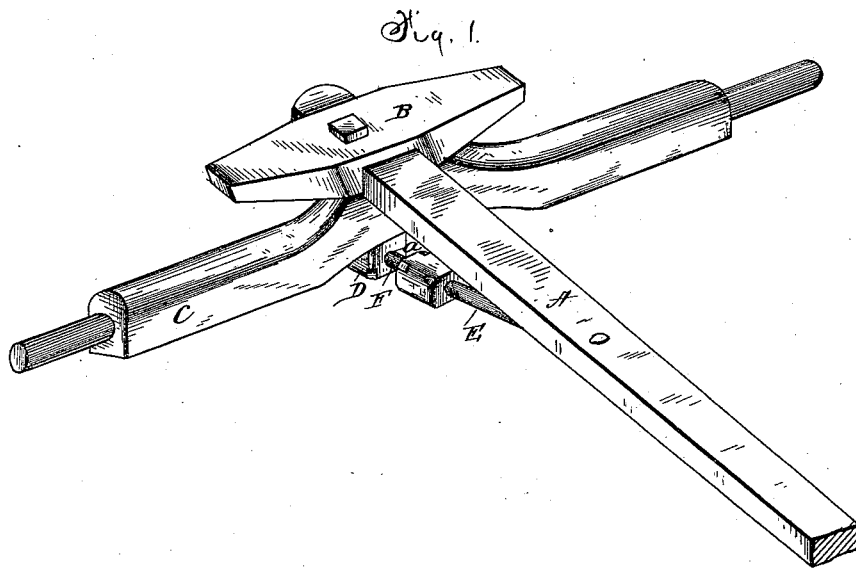


(No Model.)

T. J. ALLISON.
RUNNING GEAR FOR VEHICLES.

No. 304,397.

Patented Sept. 2, 1884.



WITNESSES

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UNITED STATES PATENT OFFICE.

THOMAS J. ALLISON, OF BINGHAM SCHOOL, NORTH CAROLINA.

RUNNING-GEAR FOR VEHICLES.

SPECIFICATION forming part of Letters Patent No. 304,397, dated September 2, 1884.

Application filed May 14, 1884. (No model.)

To all whom it may concern:

Be it known that I, THOMAS J. ALLISON, a citizen of the United States, residing at Bingham School, in the county of Orange and State of North Carolina, have invented a new and useful Running-Gear, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to a brace for running-gear, adapted to be applied more especially to the perch-pole and king-bolt nut; and it has for its object to provide a device of this character, whereby all rattling of the parts will be prevented and the liability of the brace to come loose and eventually drop off is prevented.

A further object of the invention is to provide a device of this character which shall be extremely simple in its construction, effective in its operation, and one that may be supplied at a slight cost.

The invention consists in the improved construction and combinations of parts, herein-after fully described, and pointed out in the claim.

In the drawings, Figure 1 is a perspective view of a sufficient portion of the running-gear of a vehicle to illustrate the application of my improvement thereto. Fig. 2 is a longitudinal vertical section of the same; and Fig. 3 is a modified form of brace in side elevation, the axle being cut away to more clearly show the construction.

In the accompanying drawings, in which like letters refer to corresponding parts in the several figures, A represents a perch-pole, which is of the usual construction.

B represents the head-block, which may be secured or connected therewith in any preferred or suitable manner, and C represents the axle. The axle, perch-pole, and head-block are each provided with a vertical opening registering with each other for the passage of a king-bolt, which connects the parts pivotally. Upon the lower end of the king-bolt, which is screw-threaded, is provided a nut, D, which is of a well-known construction. Upon the under side of the perch-pole is secured a rod or brace, E, by means of a trans-

verse bolt and nut *b*. The end of this brace or rod E is screw-threaded, as shown, for a purpose which will be more fully described.

F represents a bolt or rod which is screw-threaded its entire length, and which is formed integral with the top nut, D, while it is connected to the brace-rod E by means of a tap-nut *c*.

In applying the above-described brace the king-bolt is first fitted in the openings of the head-block, perch-pole, and axle, and the nut tightened, so as to bring the opening to the rear. The rod F is then screwed in the opening in the side of the said nut and the tap placed thereon. The brace is secured to the under side of the perch-pole, and brought as near to the screw-threaded bolt F as is possible, and the tap-nut then operated to connect the two parts.

In Fig. 3 I have shown a modification, in which the end of the extension of the king-bolt nut is cut away to form two arms, *d*, which are provided with openings *e*, while the end of the bracing-rod is provided with a similar opening. The parts are then joined by means of a bolt or rivet, thus forming a hinged connection.

It will be seen from the above description that by the use of my invention a brace is provided which may be readily applied, which is of simple and inexpensive construction, and that all liability of the parts to become loose or detached is obviated.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination of the king-bolt nut D, having a screw-threaded form or extension, with a rod, E, secured to the under side of the perch-pole, and a nut, *c*, connecting said rod E and extension F, as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

THOMAS J. ALLISON.

Witnesses:

JAMES T. DICK,
J. H. FOWLER.