(No Model.)

D. J. OWEN.

SPRING HANGER.

No. 351,396. Patented Oct. 26, 1886.

Fig. 1.

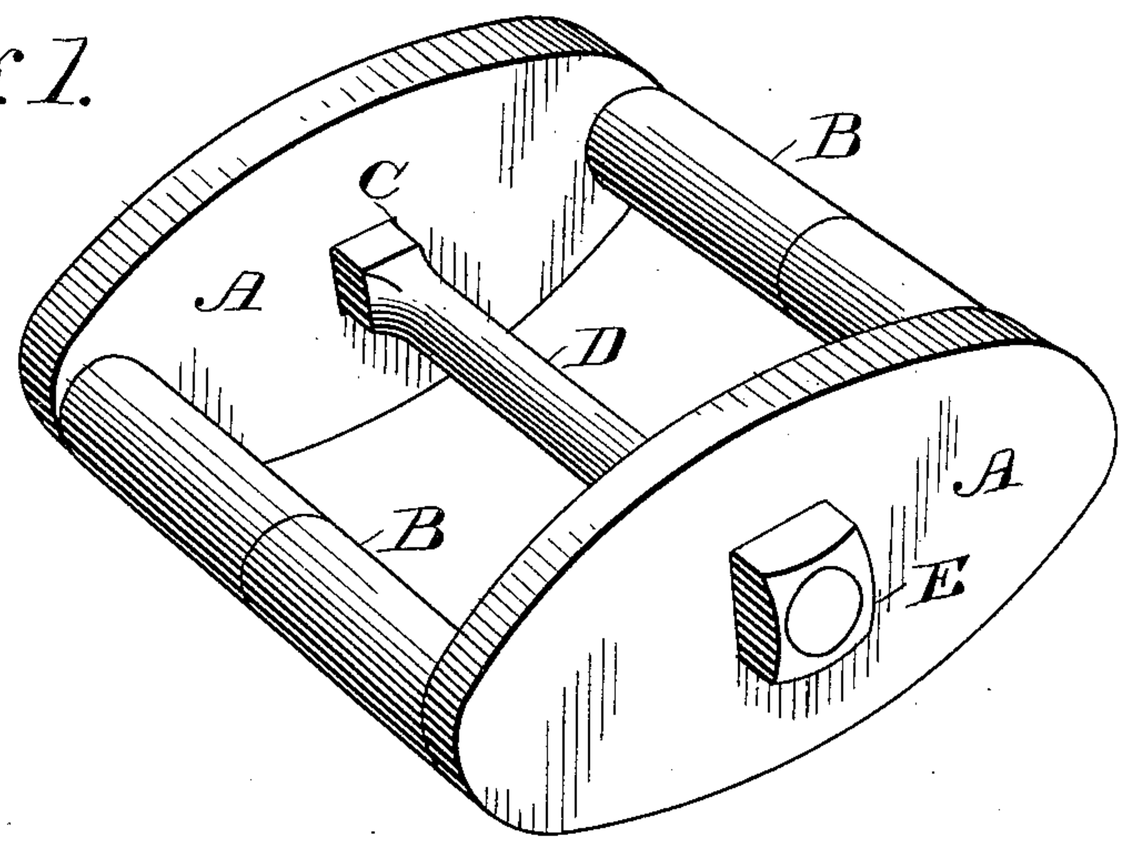
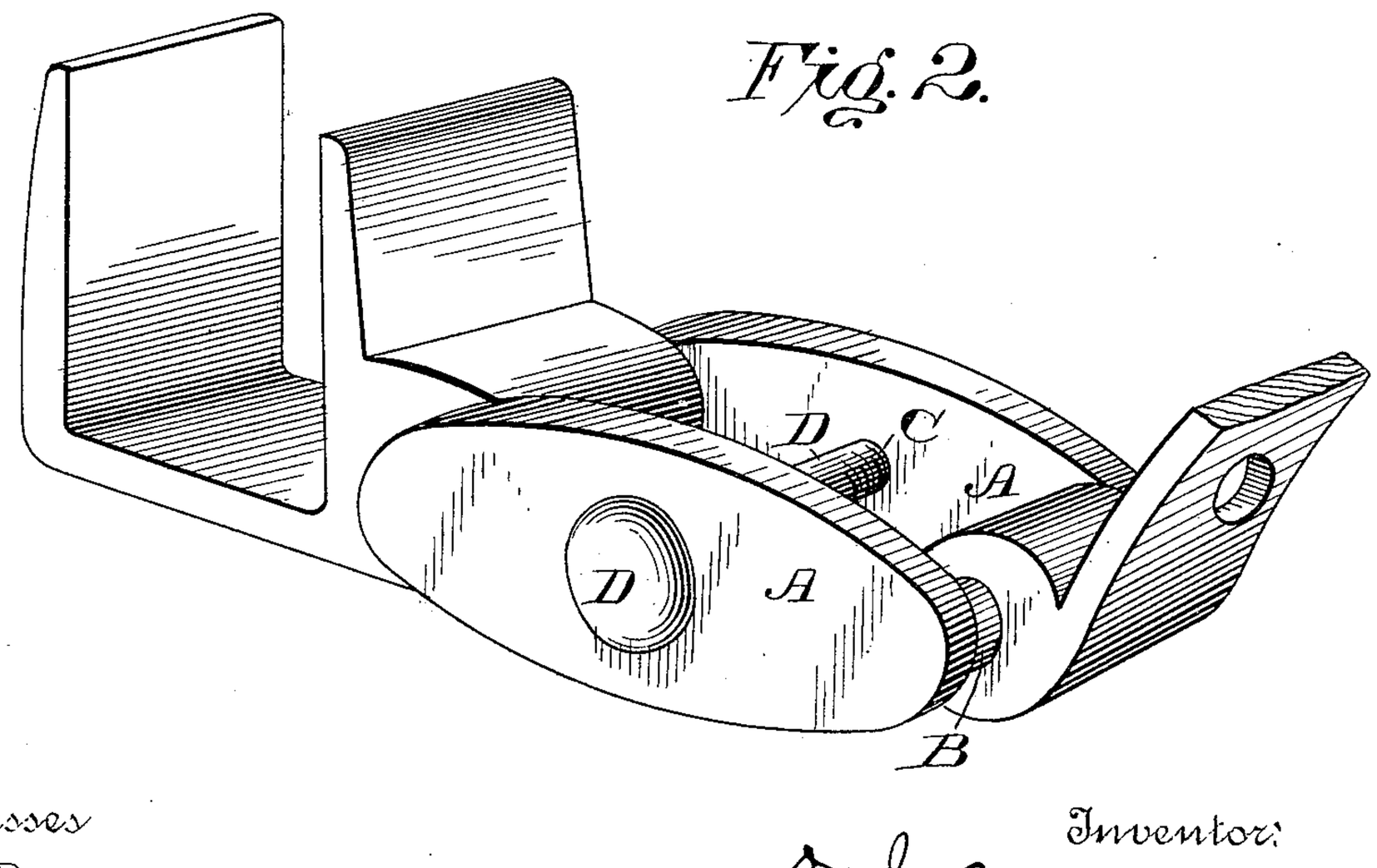


Fig. 2.



Witnesses
Wm. J. Dannels
C. A. Dick

Inventor:
D. J. Owen
By his Attorneys C. A. Walen & Co

UNITED STATES PATENT OFFICE.

DEMUS J. OWEN, OF LYNN, PENNSYLVANIA.

SPRING-HANGER.

SPECIFICATION forming part of Letters Patent No. 351,396, dated October 26, 1886.

Application filed August 25, 1886. Serial No. 211,863. (No model.)

To all whom it may concern:

Be it known that I, DEMUS J. OWEN, of Lynn, in the county of Susquehanna and State of Pennsylvania, have invented certain new and useful Improvements in Spring-Hangers; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention is designed with special reference to spring-hangers for vehicles; and it is intended to be used anywhere that a solid eye and bolt are made use of. It is admirably adapted for hanging both side and end springs of vehicles, and also thill-couplings and the like.

The object of my invention is to do away with the numerous bolts used in such constructions, which invariably get loose in a short while and rattle to such an extent as to be very annoying when the vehicle is in use. By my arrangement I am enabled to furnish to the trade an article that will answer the requirements of the market, and at the same time possesses all the features and characteristics of those now in use. I have, after practical experiments, produced a simple, neat, and durable device, which can be cheaply manufactured and easily applied and readily taken off with but comparatively little labor and trouble.

The nature of my invention and the manner in which the same is or may be carried into effect can best be explained and understood by reference to the accompanying drawings, in which—

Figure 1 is a perspective view of a device made in accordance with my invention. Fig. 2 is a perspective view of the device, showing how it is applied to attachments used either for end or side springs or thill-couplings.

In the accompanying drawings, A A are the side plates, which may be of any suitable shape or configuration. Each of these plates is provided at or near its ends with projections or lugs B B, extending inwardly at right angles thereto. These inwardly-projecting lugs should be perfectly smooth and round to accomplish the best results, and may or may not, as desired, be of sufficient length as to meet or come together when the plates are in proper position. They should, however, be of such length as to enter the eye far enough to answer all practical purposes. They preferably should be formed absolutely solid, so as to stand the wear and strain to which they are subjected when in use.

To overcome any liability of the projections or lugs breaking or giving way when subjected to undue strain, I have deemed it advisable to form the plates and projections in one piece; but it is manifest, however, that they may be formed separately and then fastened together in any of the well-known ways, and yet fully answer the purposes of my invention. I prefer to form the same in one piece, for the reason that it is thought the device will be stronger and more durable than when formed otherwise.

Plates A A are centrally perforated at C to receive a headed bolt, D, which is screw-threaded at its other end, upon which is placed an ordinary nut, E.

It will now be understood, assuming that the bolt has been inserted in the perforations C, that by screwing the nut E onto the bolt D the two plates A A will be secured together and firmly held in place, as seen in Fig. 1.

In Fig. 2 I have shown only so much of the usual attachment employed for springs and couplings as is necessary to illustrate my invention.

In conclusion, I would state that I do not restrict myself to the special details of construction herein shown and described, inasmuch as the same may be widely varied and altered without departure from my invention.

Having fully described my improvements and the manner in which the same are or may be carried into effect, what I claim as new and of my own invention is—

1. The combination of the plates having solid inward projections and central perforations,

as described, and a suitable bolt for securing them together, substantially as set forth.

2. The combination of the plates having inward projections and perforations arranged in the center of said plates, as described, and a bolt for securing the plates in position, as set forth.

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

DEMUS J. OWEN.

Witnesses:

C. A. HUNGERFORD,

J. R. MESEROLE.