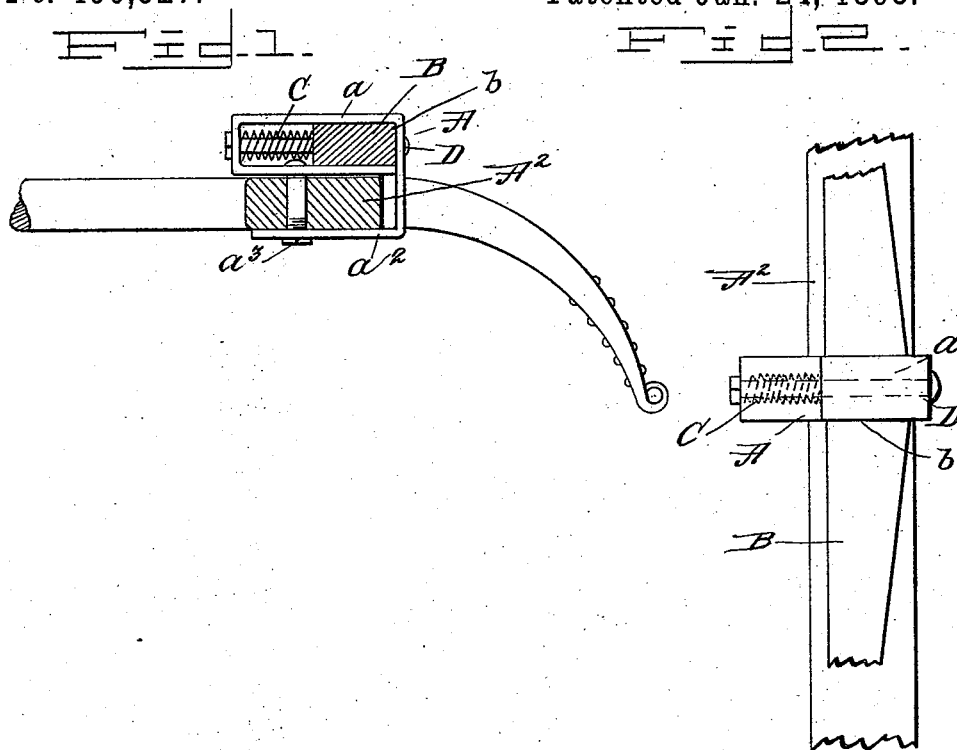


(No Model.)

J. S. WINE.
DRAFT SPRING FOR VEHICLES.

No. 490,527.

Patented Jan. 24, 1893.



Witnesses
Chas. H. La Porte,
J. S. Bushingham

Inventor,
J. S. Wine

By his Attorneys,
Evert & Appleman

UNITED STATES PATENT OFFICE.

JOSEPH S. WINE, OF MOSSY CREEK, VIRGINIA.

DRAFT-SPRING FOR VEHICLES.

SPECIFICATION forming part of Letters Patent No. 490,527, dated January 24, 1893.

Application filed May 24, 1892. Serial No. 434,225. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH S. WINE, a citizen of the United States of America, residing at Mossy Creek, in the county of Augusta and State of Virginia, have invented certain new and useful Improvements in Draft-Spring Attachments, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to spring draft attachments, particularly adapted to be used on plows, harrows, sleds, wagons &c. The object of the invention being to employ a suitable device, whereby the jolt or shock occasioned by the sudden starting of a vehicle shall be entirely overcome or absorbed by said device. A further object being to so construct this device whereby it may be readily and conveniently applied to any vehicle without necessarily altering the latter.

Finally the invention contemplates the provision of a draft spring device that shall be strong and durable to effectually withstand the strains shocks &c. incident to the operation of the same, said device being simple in construction and one that may be manufactured at a comparatively small cost.

With these objects in view, the invention consists in a spring draft attachment for vehicles, comprising a suitable casing having mounted therein a bolt, the latter being encircled by a spiral spring and so arranged, whereby, as power is applied to the evener, the force exerted will tend to compress the spring, and thus relieve the vehicle from jarring or shocks incident to the travel of same; furthermore, the invention resides in certain novel details of construction whereby the several objects are attained.

In the accompanying drawings forming a

part of this specification, wherein like letters of reference indicate similar parts in the several views, Figure 1, is a central longitudinal sectional view of one form of device as shown applied to a vehicle. Fig. 2, is a top plan view of the same.

In the drawings, A, indicates a bar which is suitably bent up to form a clip having a projecting end a^2 , inclosing the cross beam A^2 , of the shafts, and being pivotally secured.

Referring to Fig. 1, it will be seen, that after the evener B, is inserted at b , the spiral spring C, is placed in position and the bolt D, is passed through the coinciding apertures of the several parts to bind them in their relative position.

It will be understood that various changes may be made in the detail construction of this invention without materially departing from the general idea involved.

From the foregoing description, the operation of my invention will be at once understood.

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

In a draft spring attachment, the combination with the bar A, bent up to form a clip having the arm a^2 , as described, of the pivotal bolt a^3 , securing said clip centrally of the whiffletree, the bolt D, supporting the whiffletree and the spiral spring encircling said bolt to exert a pressure on said whiffletree, for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

JOSEPH S. WINE.

Witnesses:

SAML. L. SLUSSER,
A. C. ROHR.