

C. F. ADAMSON.
SPREADER FOR THE LEAVES OF SPRINGS.
APPLICATION FILED APR. 24, 1912.

1,108,111.

Patented Aug. 18, 1914.

Fig. 1.

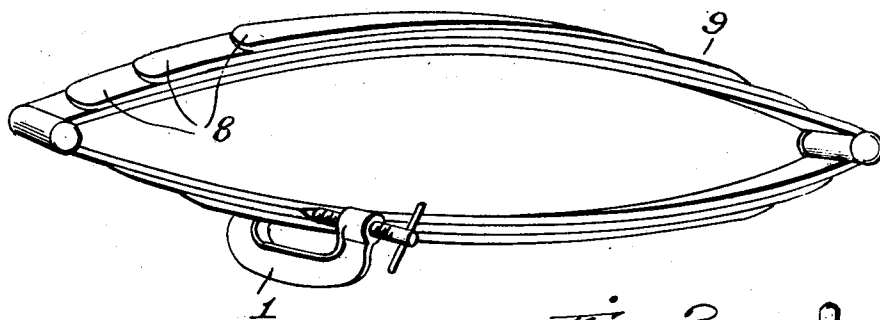


Fig. 2.

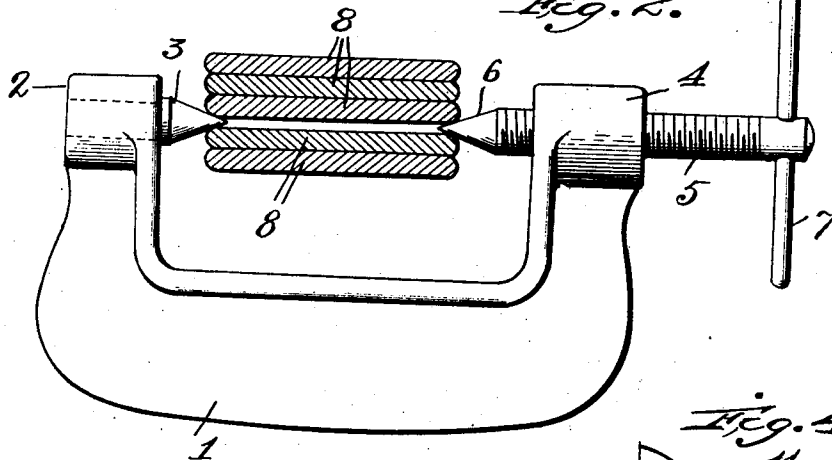


Fig. 3.



Fig. 5.

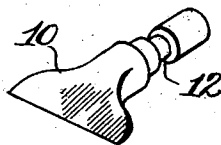
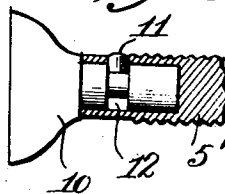


Fig. 4.



Witnesses

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CECIL F. ADAMSON, OF EAST PALESTINE, OHIO.

SPREADER FOR THE LEAVES OF SPRINGS.

1,108,111.

Specification of Letters Patent.

Patented Aug. 18, 1914.

Application filed April 24, 1912. Serial No. 692,917.

To all whom it may concern:

Be it known that I, CECIL F. ADAMSON, a citizen of the United States, residing at East Palestine, in the county of Columbiana, State of Ohio, have invented new and useful Improvements in Spreaders for the Leaves of Springs, of which the following is a specification.

My invention aims to produce a novel tool adapted for use in temporarily spreading apart the leaves of leaf springs, for applying oil between the same, which I accomplish in the manner and by the means hereinafter described and claimed, reference being had to the accompanying drawing, in which:—

Figure 1 is a perspective view of a leaf spring having applied thereto my improved separator. Fig. 2 is an enlarged transverse sectional view through said spring, my improved separator being shown applied thereto in side elevation. Fig. 3 is a detail view of one of the wedging members. Fig. 4 is a detail sectional view showing a slightly modified construction of the wedging members. Fig. 5 is a detail perspective view of the same.

In the said drawing the reference numeral 1 denotes a yoke shaped base, having mounted in one arm 2 thereof a fixed wedging member 3, the same terminating in a point. In the other arm 4 of said base 1 is mounted a screw threaded bolt 5 in threaded engagement with arm 4, and formed at its inner end into a wedging point 6, and at its outer end with a cross bar 7 for manipulating the same.

In operation the device is applied by positioning member 3 between two of the leaves 8 of spring 9 to be separated, and by

similarly positioning the end of the point 6 of bolt 5 therebetween. Upon now screwing said bolt 5 inward, the leaves 8 will be at once forced apart sufficiently to introduce therebetween the nozzle of a suitable oil can or other device for the purpose of oiling between the faces of said leaves. The bolt 5 may then be retracted, and the device applied at any other point on the spring.

In Figs. 4 and 5 I have shown a slightly modified construction of the wedging members, the same being shown with elongated engaging edges, instead of the pointed ends of Figs. 1, 2 and 3. With this construction the wedging member 10 carried by screw threaded bolt 5' will fit rotatably therein, being retained by a pin 11 engaging a groove 12 in the shank of said member 10. With wedging members of this shape a broader area between the spring leaves may be separated. It will be understood that while the base 1 may be made of cast iron, the wedging members should be made of steel.

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

A leaf spreader for spreading leaf springs, comprising a yoke, a conical wedge on one arm of the yoke, and a stem threaded into the other arm of the yoke, said stem being provided with a conical wedge and being adapted when turned to advance toward the first mentioned point.

In testimony whereof I have hereunto set my hand, in the presence of two subscribing witnesses.

CECIL F. ADAMSON.

Witnesses:

EVERETT L. LYON,
L. W. McCLOSKEY.