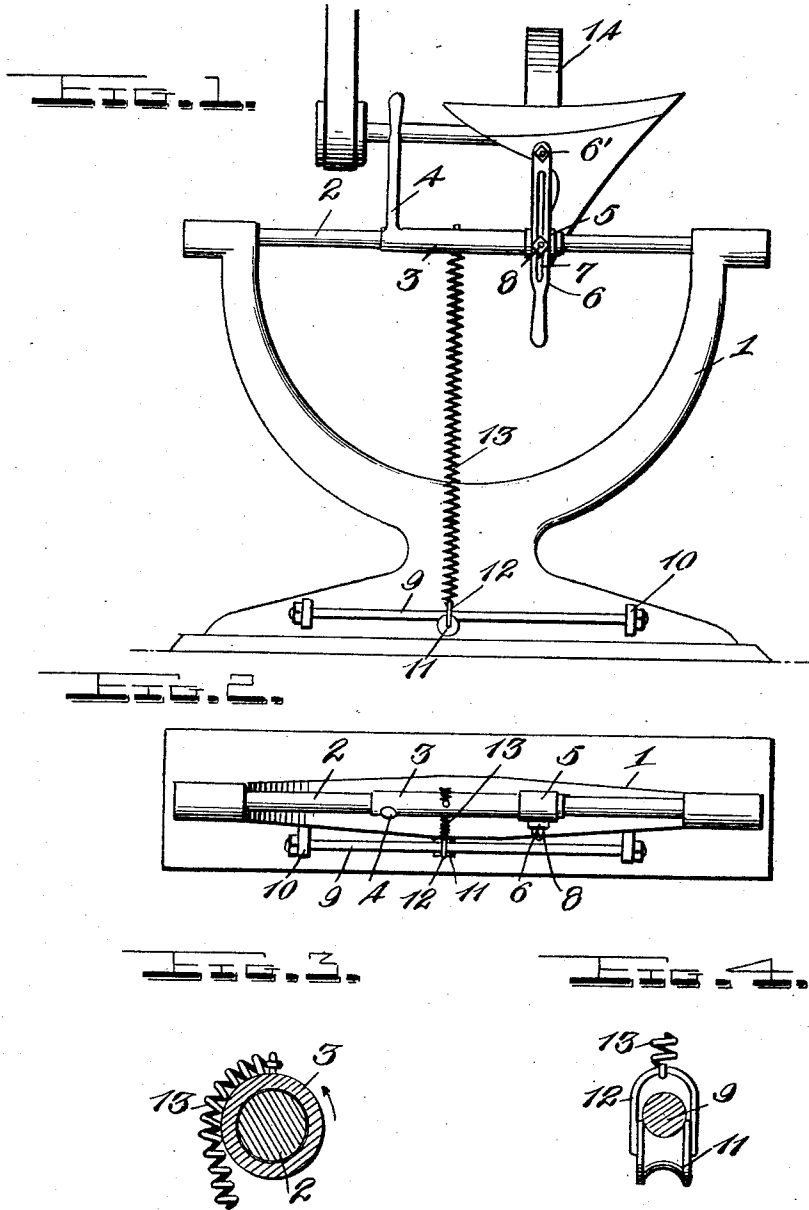


J. W. WILHITE.
 PLOW SHARPENING DEVICE.
 APPLICATION FILED JULY 26, 1911.

1,006,613.

Patented Oct. 24, 1911.



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN WILLIAM WILHITE, OF UTICA, KENTUCKY.

PLOW-SHARPENING DEVICE.

1,006,613.

Specification of Letters Patent.

Patented Oct. 24, 1911.

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To all whom it may concern:

Be it known that I, JOHN WILLIAM WILHITE, a citizen of the United States, residing at Utica, in the county of Daviess and State of Kentucky, have invented certain new and useful Improvements in Plow-Sharpener Devices, of which the following is a specification, reference being had to the accompanying drawings.

10 This invention relates to sharpening devices, and more particularly to a device for sharpening plow points and the like.

15 The object of this invention is to provide a device for sharpening plow points and the like, on a grinding stone.

Another object of this invention is to have its parts so arranged that they can be readily operated for the purposes required.

20 Other objects of this invention will become apparent as it is more fully set forth.

In the accompanying drawings which illustrate by way of example, an embodiment of this invention Figure 1 represents a view in elevation of this invention; Fig. 2 is a plan view of Fig. 1; Fig. 3 is a sectional view through the central portion of the shaft and sleeve of this invention, and, Fig. 4 is a detail view of a holder for the means that gives the device a resilient action.

30 Similar reference characters refer to similar parts throughout the drawings.

In the construction shown in the appended drawings, 1 represents a stand having its lower portions arranged to be secured to the floor or other suitable place and its upper portion to receive a shaft 2. The shaft 2 is preferably horizontally disposed and has loosely mounted thereon, a pipe sleeve 3, and which has a handle 4 attached thereto for actuating it horizontally or rotatably on the shaft 2. Secured to the front portion of the pipe 3 is a coupling 5 arranged to receive a link 6, that is provided with means 6' for securing the plow point thereto.

7 is a slot provided in the link 6 so that the same can be adjusted to various positions on the coupling 5, a clamping nut and bolt 8 being provided therein for the purpose of holding it.

50 A shaft 9 suitably held by a journal member 10 is disposed beneath the shaft 2 and provided with a reel 11 loosely mounted thereon. Passing through the reel 11 is a link 12, which has one end of a spring 13 attached to it. The other end of the spring

is connected to the pipe 3 in such a manner as to rotate the same and cause the link 6 to push the plow point against a grinding stone when the device is arranged in proper relation for sharpening the plow. The device is preferably mounted adjacent to a grinding wheel, that can be driven by power or other suitable means so that when the plow points are to be sharpened they can be readily engaged by the sharpener with the grinding stone.

In general operation, the link 6 is fastened to the plow point by the means 6' so that the plow will be held securely thereto and arranged so that the edge of the plow will come in contact with the grinding stone 14. The link is then adjusted so as to be suitably disposed for the keeping of the plow point in proper contact with the stone. While the wheel is grinding the edge of the plow point, the spring 13 will tend to turn the sleeve 3 together with the link 6 toward the stone and thereby keep the plow point firmly against the same. As the edge is being sharpened the operator actuates the handle 4 horizontally or rotatably backward, or both, as the case may be, so that the whole edge of the plow point will be properly treated. Thus it will be seen that the device on the whole, is very simple and requires but little skill on the part of the worker to operate the same properly, as a little practice will give the desired ability.

Obviously, while there is shown but one modification of the construction of this invention in the drawings, it is not desired to limit this application for a patent in any way, otherwise than is necessitated by the prior art, as many modifications of the construction of this invention may be made without departing from the principles thereof.

Having thus described this invention, it is claimed:

1. A sharpening device for plows and the like, comprising in combination, a shaft, a pipe loosely mounted on said shaft, a lever for actuating said pipe horizontally and rotatably on said shaft, a link secured to said pipe having its end portion arranged to hold a plow or the like, means for causing said pipe to actuate said links so that it will press said plow against the grind stone, and means for holding said shaft and said last mentioned means.

2. A sharpening device for plows and the

like comprising in combination, a shaft, a
support for rigidly holding said shaft, a
pipe sleeve disposed on said shaft, a handle
for rotatably and horizontally actuating
5 said sleeve, a coupling secured to said sleeve,
a link disposed on said coupling adjustably
secured thereon, the end portion of said link
being arranged to hold a plow point or the
like so that the same can be sharpened on a
10 grind stone, resilient means for rotatably

actuating said sleeve so that the same will
cause the link to press the plow point against
the grinding stone, and means for holding
said resilient means.

In testimony whereof I hereunto affix my 15
signature in the presence of two witnesses.

JOHN WILLIAM WILHITE.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."
