(No Model.)

O. W. NEWCOMB.

HOLDER FOR EDGE TOOLS.

No. 441,325. Patented Nov. 25, 1890.

Fig. 1.

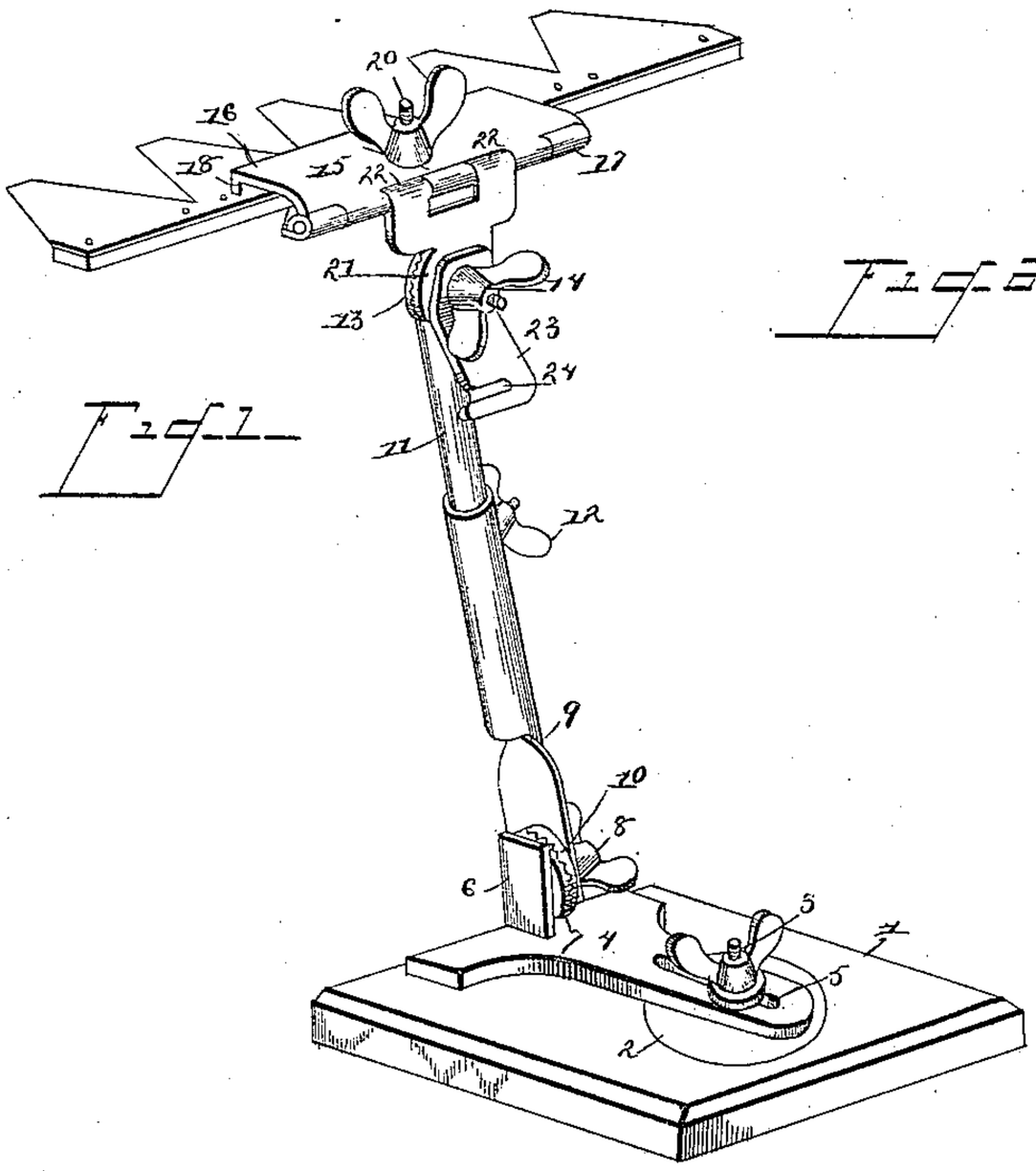


Fig. 2.

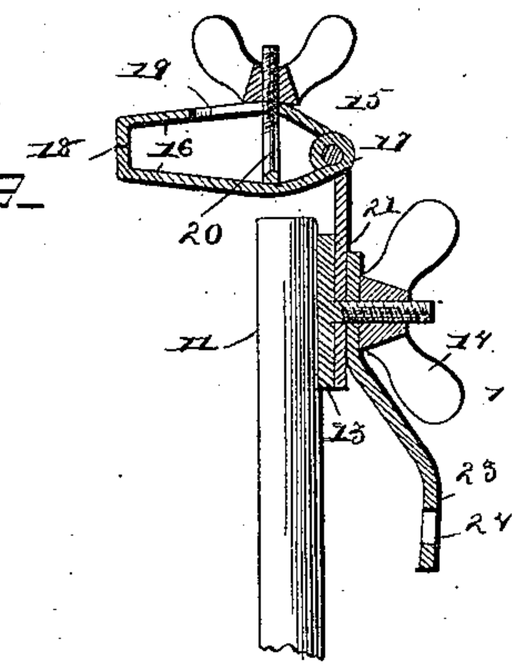


Fig. 4.

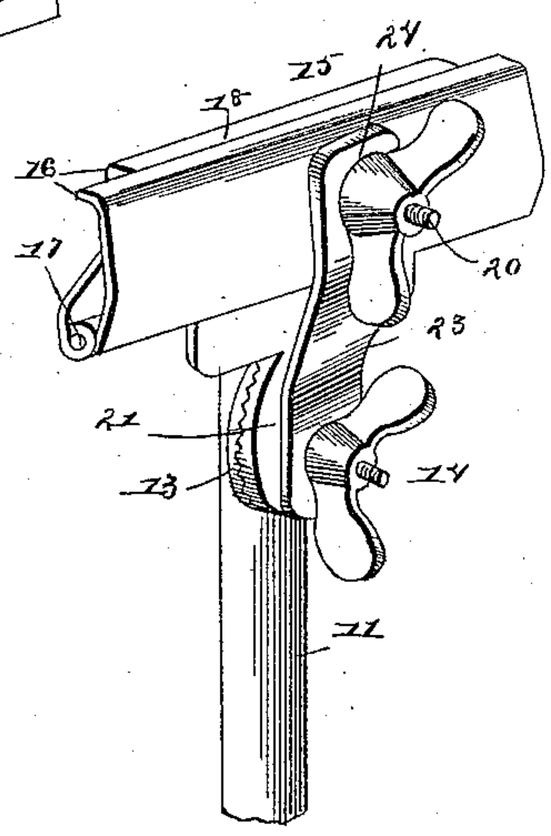
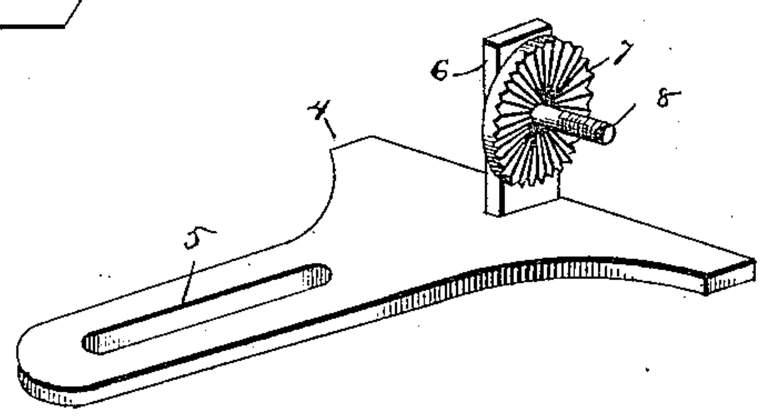


Fig. 3.



Witnesses:
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UNITED STATES PATENT OFFICE.

OBADIAH W. NEWCOMB, OF WELDA, KANSAS.

HOLDER FOR EDGE-TOOLS.

SPECIFICATION forming part of Letters Patent No. 441,325, dated November 25, 1890.

Application filed July 7, 1890. Serial No. 357,954. (No model.)

To all whom it may concern:

Be it known that I, OBADIAH W. NEWCOMB, a citizen of the United States, residing at Welda, in the county of Anderson and State of Kansas, have invented a new and useful Holder for Edge-Tools, of which the following is a specification.

This invention has relation to devices for holding in an adjustable position edge-tools during the operation of grinding the same.

The objects of the invention are to provide a device adapted to support in various positions any ordinary edge-tool, whereby the same may be properly presented to the action of the grindstone; said device to be of cheap, simple, and durable construction, easily manipulated, and adapted, in addition to serving as a tool-holder for the above purpose, to serve as a convenient bench-vise.

With the above objects in view the invention consists in certain features of construction hereinafter specified, and particularly pointed out in the claims.

Referring to the drawings, Figure 1 is a perspective of a device constructed in accordance with my invention. Fig. 2 is a longitudinal vertical section. Fig. 3 is a detail in perspective of the base-plate; Fig. 4, of the upper section of the telescopic standard.

Like numerals of reference indicate like parts in all the figures of the drawings.

1 designates the base-block, which is designed to be secured to a suitable portion of the frame of the grindstone, or may be a portion of the grindstone-frame itself. A plate 2 is let into the upper face of the block, and threaded therein is a set-screw 3.

4 designates a base-plate longitudinally slotted, as at 5, which slot receives the set-screw 3. At one end of the base-plate 4 is located a bearing-post 6, provided with a circular centrally-perforated ratchet-plate 7, in which is mounted a binding-screw 8.

9 designates the lower section of a telescopic standard, which section is provided with a ratchet face or disk 10 at its lower end, which interlocks with the ratchet-disk 7, and is maintained in an adjusted position with relation thereto by means of the binding-screw 8, passing through the said section 9.

11 designates the upper section of the standard, which is mounted for sliding in the lower section, in which it is adjusted by means of a set-screw 12. The upper end of the upper section 11 is provided with a ratchet-disk 13, in which is mounted a binding-screw 14.

15 designates an adjustable head, the same consisting of a pair of jaws 16, hinged together, as at 17, said jaws being provided at their free ends with inwardly-disposed gripping-flanges 18.

19 designates a slot formed in one of the jaws—in this instance the upper one—and through said slot there extends a clamping-screw 20, the lower end of which is connected to the lower jaw.

21 designates a toothed disk which is connected to and operates in conjunction with the toothed disk 13 by means of the binding-screw 14. On one side of the disk 21 is located a pair of eyes 22, which are connected to the jaws 15 through the medium of the pintle 17 of said jaws.

It will be observed that by manipulating the screw 12 any tool, as a sickle-bar or other edge-tool, gripped by the jaws may be raised and lowered.

The screws 14 and 8 may be manipulated to give the desired inclination and the screw 3 operated so that the standard may be advanced to or withdrawn from the grindstone.

23 designates a latch pivoted upon the binding-screw 14, said latch having its free end notched, as at 24, and may be partially rotated, so that said notch takes over the screw 20, and by turning the nut upon the screw the jaws 15 will be raised to a vertical position, and the device may be employed as an ordinary vise, adapted for the reception of various articles for the purpose of riveting, screwing, filing, &c., as is required very often during the day around a farm. It will thus be seen that my invention is useful at all times, its utility not being limited merely to the harvesting-time.

Having described my invention, what I claim is—

1. The combination, with a standard terminating at its upper end in a ratchet-disk, of a companion disk interlocking with said ratchet-disk, a binding-screw, a pair of jaws hinged to each other and to said companion disk, a set-screw passing through the jaws, and a notched

latch pivotally mounted upon the set-screw which connects the ratchet-disk, said latch being adapted for taking under the set-screw of the jaws, substantially as specified.

2. The combination, with the base 1, the binding-plate 2, the slotted base-plate 4, the set-screw 3, passing through the slotted plate and into the base, and the post 6, having the ratchet plate or disk 7, of the sections 9 and 11, telescopically connected, and the set-screw 12 for adjusting the same, the plate 10, toothed and located at the lower end of the lower section, the set-screw 8 for connecting the said plate or disk with the disk 7, the disk 13, located at the upper end of the upper section, the disk 21, having the eyes 22, the hinged jaws 15, one of which is slotted, as at 19, the binding-screw 20, passing through the jaws, and the binding-screw 14, passing through the disks 13 and 21, substantially as specified.

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

OBADIAH W. NEWCOMB.

Witnesses:
BERLIN PRICE,
FRANK G. W. WOODS.