H. E. JONES.

WHEEL HOLDER.

APPLICATION FILED DEC. 28, 1916.

**1,226,335.** Patented May 15, 1917.

Fig. 1.

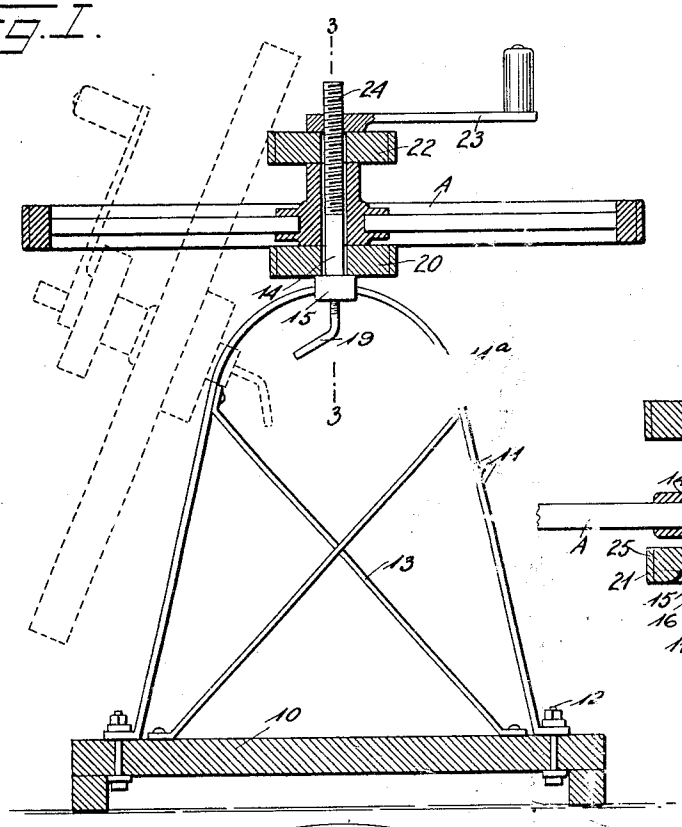



Fig. 3.

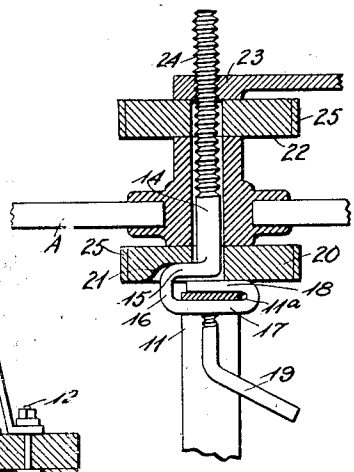
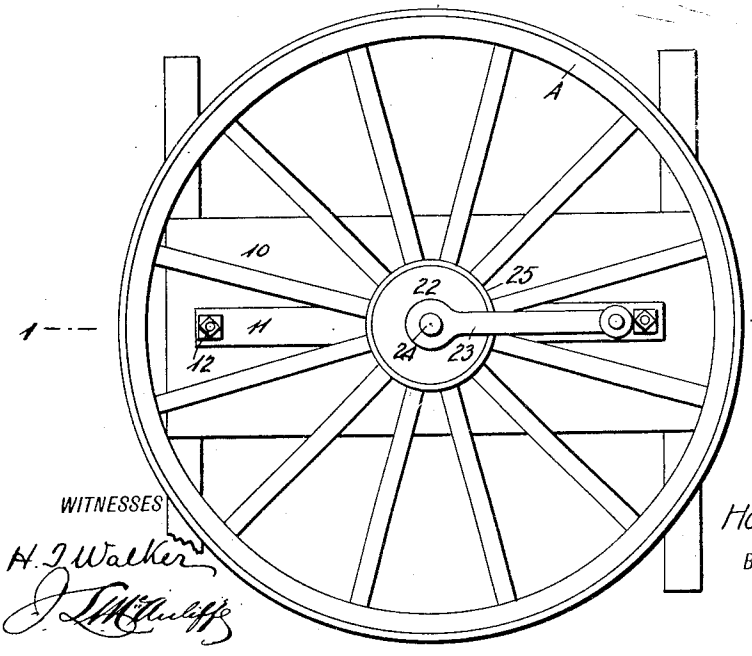



Fig. 2.




WITNESSES

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# UNITED STATES PATENT OFFICE.

HORACE EVERET JONES, OF EBENSBURG, PENNSYLVANIA.

## WHEEL-HOLDER.

1,226,335. Specification of Letters Patent. Patented May 15, 1917.

Application filed December 28, 1916. Serial No. 139,246.

*To all whom it may concern:*

Be it known that I, HORACE E. JONES, a citizen of the United States, and a resident of Ebensburg, county of Cambria, State of Pennsylvania, have invented a new and Improved Wheel-Holder, of which the following is a full, clear, and exact description.

My invention relates to a device for use by wheelwrights to hold a wheel while being operated upon.

The prime object of the invention is to provide a device of the character indicated, on which a wheel may be placed and replaced with rapidity, and on which the wheel may be disposed at any desired angle and turned about its axis whereby to promote convenience in operating on any given part of the wheel.

The invention may be more particularly explained in the specific description following.

Reference is had to the accompanying drawings forming part of this specification, in which similar characters of reference indicate corresponding parts in all the views, and in which:

Figure 1 is a vertical section on the line 1—1 of Fig. 2, showing a wheel holder embodying my invention;

Fig. 2 is a plan view; and

Fig. 3 is a detail in vertical section, on line 3—3, Fig. 1, on a slightly larger scale.

In constructing a practical embodiment of my invention in accordance with the illustrated example, any suitable base 10 is provided on which a supporting frame 11 is secured. The frame is preferably formed of a strip of metal bent into arched form, or in any event to have an arching top 11ª. The strip may be secured by bolts 12 to the base 10 and may be braced by cross bars 13 secured respectively to the base and sides of the frame.

On the arched top of the frame is supported a spindle 14 which is formed with a base designated generally by the numeral 15. The said base may be formed by extending it laterally at one side of the spindle, as best seen in Fig. 3, then downwardly as at 16, then transversely as at 17 parallel with the first lateral member and across the opposite side, the base being finally returned on itself in an inward direction, as at 18, presenting a horizontal member disposed between the upper lateral arm and the lower arm and spaced from the latter a sufficient distance to receive between the said members 17 and 18 the arched top 11ª of the supporting frame. In this manner the spindle is slidably supported on the frame and may be moved thereon through an angle to either side of the central vertical position, whereby to dispose a wheel A at any desired angle to the horizontal. To secure the spindle in adjusted position on the supporting frame, I have shown a lever set screw 19 which takes into the bottom member 17 of the base at the underside of the arched member A. Associated with the spindle is clamping means to secure the wheel A in position on the spindle, and to move with the latter. The clamping means consists of a bottom block 20 having a central eye to be dropped over the spindle, and at the underside said block 20 is shaped to conform to the formation of the arm 15, being recessed as at 21 to receive the upper lateral arm of the base so that said block will firmly sit upon the said base. The block 20 forms a seat for the hub of the wheel A which is dropped over the spindle 14, and a second upper clamp block 22 has a central eye to also be fitted on the spindle above the wheel hub and overlie the latter. To secure the parts a suitable fastener is provided to engage the spindle above the upper clamp block 22. Advantageously the securing means consists of a crank handle 23 having a threaded hub to screw on to the upper threaded end 24 of the spindle when the wheel and the upper clamp block 22 have been placed in position. It will be obvious that the handle may be turned more or less tight to permit the wheel to turn in its own place about the spindle 13 as an axis, to prevent turning of the wheel.

From the described construction it will be seen that by manipulating the set screw 19 the spindle with the wheel thereon may be quickly swung to the right or the left from the central position, and firmly secured in the adjusted position, and may be turned on its axis when desired, regardless of its angular position. In this way the wheel may be so disposed as to bring any given part thereof in convenient position for being operated upon.

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

1. A wheel holder comprising a frame formed of a strip of metal in arched form,

a spindle having a base embracing the said arched top and slidable thereon, a set screw extending through the underside of the base to engage the said top, upper and lower clamp elements on the spindle adapted to hold a wheel therebetween, and a retaining device threaded on the spindle above the said upper clamp element.

2. A wheel holder comprising a frame presenting an arched top, a spindle having a base, said base extending laterally from the spindle at one side, then downwardly, thence laterally in the opposite direction from the first member, then beneath the arched top, and returned on itself in an upward direction above the arched top, a set screw extending through the lower member of the base and adapted to bind against the arched top and wheel holding means carried by the spindle.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HORACE EVERET JONES.

Witnesses:
THADDEUS JONES,
H. A. ENGLEHART, Jr.

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