(No Model.)

S. A. SEAT, M. W. PERKINS & J. T. TOOLOOSE.

WORK BENCH.

No. 411,511. Patented Sept. 24, 1889.

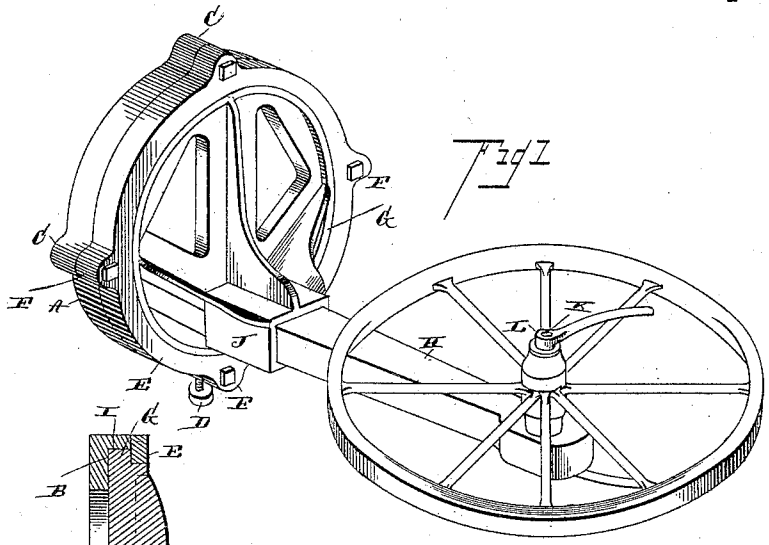


Fig 1

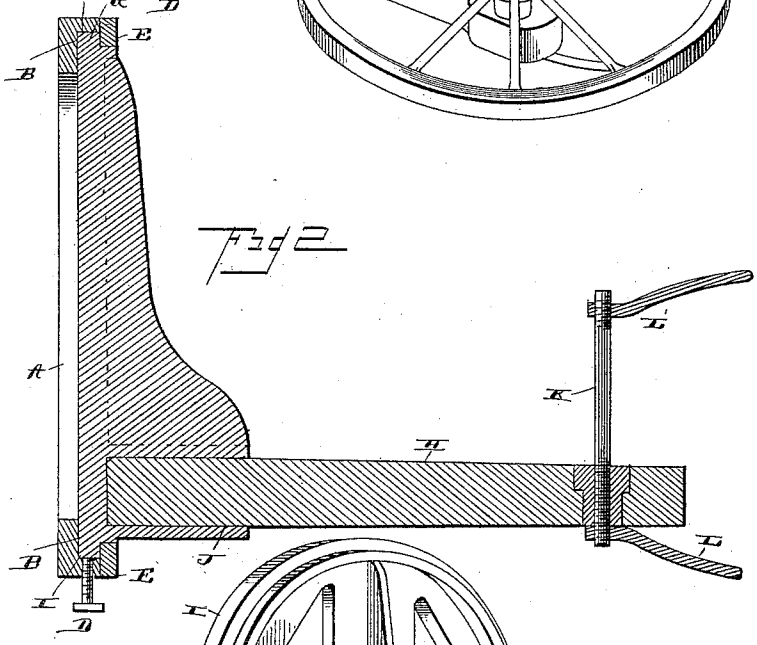


Fig 2

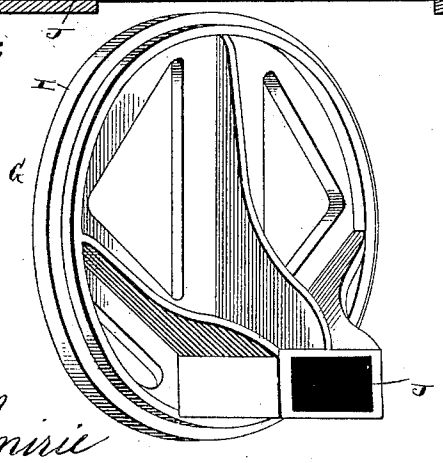


Fig 3

Witnesses
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By their Attorneys,
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UNITED STATES PATENT OFFICE.

SAMUEL A. SEAT, MORGAN W. PERKINS, AND JOHN T. TOOLOOSE, OF HEMATITE, MISSOURI.

WORK-BENCH.

SPECIFICATION forming part of Letters Patent No. 411,511, dated September 24, 1889.

Application filed June 14, 1889. Serial No. 314,214. (No model.)

To all whom it may concern:

Be it known that we, SAMUEL A. SEAT, MORGAN W. PERKINS, and JOHN T. TOOLOOSE, citizens of the United States, residing at Hematite, in the county of Jefferson and State of Missouri, have invented a new and useful Work-Bench, of which the following is a specification.

Our invention relates to improvements in work-benches; and it consists in certain novel features hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of our improved work-bench, showing a wheel supported thereon. Fig. 2 is a longitudinal section of the same. Fig. 3 is a detail perspective view.

In carrying out our invention we secure to the wall of the work-shop or any other suitable fixed support a circular base-plate A, having an annular groove B in its front side and provided at proper points of its periphery with the perforated lugs or bosses C. A set-screw D is mounted in this base-plate at any convenient point, and is adapted to clamp the rotary plate therein, as will be hereinafter more fully described. A cap or retaining-plate E is arranged over the base-plate to hold the rotary plate thereon, and the said cap consists, essentially, of a ring provided with perforated lugs or bosses F, through which and the lugs C securing-bolts are inserted into the fixed support, so as to clamp the cap and the base-plate together and also to the said support.

The wheel-support consists of the circular rotary plate G and the arm H, extending therefrom. The rotary plate is of a proper diameter to fit in the annular groove B of the base-plate A, and is provided on its outer side with an annular shoulder I, which is engaged by the cap or retaining-plate, so as to prevent the said rotary plate falling from its position. Said rotary plate is provided on its outer side and near its edge with a socket J, and the arm H is secured in and projects outward from the said socket. The said supporting-arm H may be constructed of any suitable material, preferably, however, of metal, in order to secure strength, and is of proper length to support a wheel and allow the same to turn easily without coming in contact with the rotary plate. At its free end the supporting-arm H is provided with a spindle or rod K, which is adapted to receive the hub of the wheel, and is provided at its ends with the nuts L, whereby the hub may be clamped securely on the said spindle or rod.

In practice the hub of the wheel is secured on the spindle K, and the rotary plate is moved around so as to bring the supporting-arm into proper position to enable the workman to operate conveniently on the hub, and the set-screw B is then turned up against the rotary plate, so as to clamp it firmly into position and prevent its moving under the blows imparted thereto while making the wheel. The spokes are then driven into the hub and the felly and tire fitted on the spokes, so as to make the wheel.

It will be observed that we have provided a device by the use of which wheels can be very rapidly made, as the handling of the wheel is considerably facilitated and a saving in time consequently effected. The hub can be rotated on the spindle so as to bring the desired portion in front of the workman, and the rotary plate can be easily turned so as to bring the supporting-arm, and consequently the wheel, into the position most convenient to the operator.

The device is very simple and its advantages are thought to be obvious.

Having thus described our invention, what we claim, and desire to secure by Letters Patent, is—

1. A work-bench consisting of a base-plate, a rotary plate supported thereby, and a supporting-arm projecting from the rotary plate, as set forth.

2. The combination of the base-plate, the rotary plate supported thereby and having a supporting-arm extending from its outer side, and the set-screw mounted in the base-plate and adapted to bind on the rotary plate, as set forth.

3. The combination of the base-plate, the rotary plate supported thereby, the supporting-arm projecting from the rotary plate, and

the spindle at the free end of the supporting-arm, as set forth.

4. The combination of the base-plate having an annular groove B, the rotary plate fitting in said groove and having an annular shoulder I, and the retaining-plate fitting over said annular shoulder and secured to the base-plate, as set forth.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in presence of two witnesses.

SAMUEL A. SEAT.
MORGAN W. PERKINS.
JOHN T. TOOLOOSE.

Witnesses:
JOHN CASKANETT,
PETER C. MCCORMACK.