

No. 725,464.

PATENTED APR. 14, 1903.

G. W. LUTZ.
FOLDING STAKE HOLDER.
APPLICATION FILED MAY 31, 1902.

NO MODEL.

Fig 1.

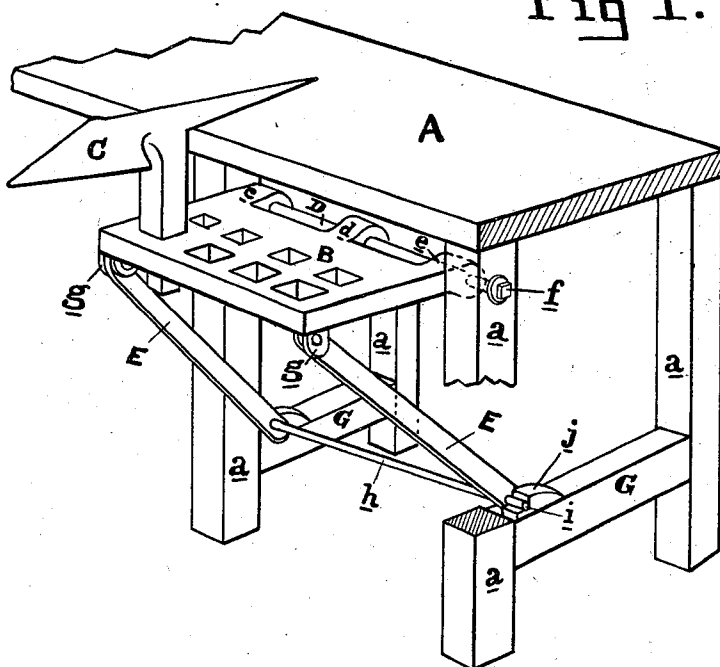
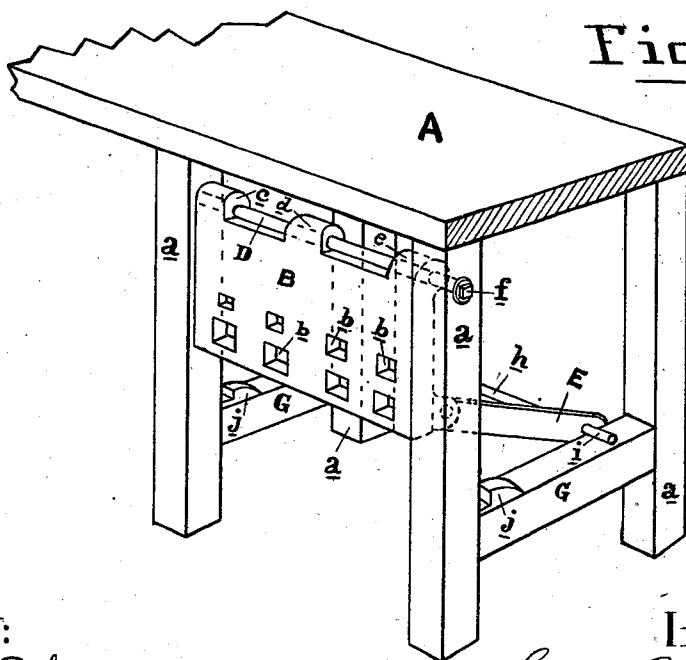


Fig 2.



Attest:
E. B. Lehman,
Edward G. Freed.

Inventor.
George W. Lutz
By J. Kirby
his atty

UNITED STATES PATENT OFFICE.

GEORGE W. LUTZ, OF DAYTON, OHIO.

FOLDING STAKE-HOLDER.

SPECIFICATION forming part of Letters Patent No. 725,464, dated April 14, 1903.

Application filed May 31, 1902. Serial No. 109,716. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. LUTZ, a citizen of the United States, and a resident of the city of Dayton, in the county of Montgomery and State of Ohio, have invented a new and useful Improvement in Folding Stake-Holders; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to folding stake-holders for tinner's benches, and has for its object to provide a bench plate or stake holder which when in position for use will project out from the bench and be accessible from three sides, so that a workman when performing stake-work has more room and freer access to the stake than when the plate is set into the top of the bench, as has heretofore been customary, and which when not in use can be instantly folded beneath the bench and out of the way.

The invention consists in certain features of novelty in the construction, combination, and arrangement of parts by which the said object is attained, and which are fully described in this specification, illustrated in the accompanying drawings, and pointed out in the claims at the end hereof.

In the said drawings, Figure 1 represents a perspective broken view of an ordinary tinner's bench with my improvement applied thereto and shown in the position it occupies when set up for use, and Fig. 2 represents the device folded below the bench.

Similar letters of reference indicate the same parts on both figures.

A represents a rigidly-constructed work-bench provided with standards or legs *a*.

B is a plate, preferably of iron, provided with a number of holes *b*, which may vary in size and form to suit requirements and which are adapted to receive tinner's stakes, such as are commonly employed by tinsmiths and other sheet-metal workers, one style of which is represented by the letter C. The plate A is provided with ears or extensions *c*, *d*, and *e*, through which passes a rod D, the ends of which pass through the front standards *a* and are secured therein by nuts *f*, as shown.

Arms E are pivotally connected to ears *g* on the under side of the plate B, at or near the front edges thereof. The lower or free ends of the arms E are connected by a rod *h*, having its ends *i* extending through and beyond the arms to engage stops *j*, attached to or formed on cross-ties G, which rigidly connect the front and back legs of the bench.

When the plate A is out of service, it is designed to occupy the position shown in Fig. 2, and when the plate is to be used for holding stakes, as shown in Fig. 1, it is swung into such position, the ends *i* of rods *h* engaging behind the stops *j*, as clearly shown in said latter figure, which support the plate in an extended elevated position in front of the bench, where it is accessible from three sides, thus giving a workman freer access to the work to be performed and otherwise facilitating its accomplishments. The rod *h*, in addition to tying the arms E together at their lower ends, affords a convenient means for releasing the structure from the stops *j* with the foot and which when raised to clear said stops permits the plate to drop into the position shown in Fig. 2, the extension *i* sliding on the cross-ties G.

As the details of construction which I have shown and described herein may be departed from without departing from the spirit of my invention, I do not limit the invention to such exact construction.

Having thus fully described my invention, I claim—

1. The combination with a rigidly-constructed work-bench, of a stake plate or holder in pivotal connection with the bench or framework thereof, cross-ties rigidly connecting the front and back legs of said bench, stops located on said cross-ties, folding mechanism for supporting the said stake plate or holder in an elevated position and having extensions adapted to engage said stops and support said stake plate or holder in an elevated position whereby upon raising said extensions to clear said stops the stake plate or holder will automatically drop to a vertical position, substantially as and for the purpose set forth.

2. The combination with a rigidly-constructed work-bench, of a folding stake plate or holder having ears in pivotal connection with the bench or framework thereof, arms

pivotaly connected to said stake plate or holder, extensions at the lower ends of said arms, cross-ties rigidly connecting the front and back legs of said bench, stops located on
 5 said cross-ties and adapted to engage said extensions whereby upon raising the latter to clear said stops the stake plate or holder will automatically drop to a vertical position, substantially as and for the purpose set forth.

10 3. The combination with a rigidly - constructed work-bench, of a stake plate or holder in pivotal connection with the bench or framework thereof and adapted to be supported wholly beneath the bench when not in service
 15 and to be extended out beyond the front of the bench when required for service, cross-ties connecting the front and back legs of said bench, stops located on said cross-ties, folding mechanism having extensions adapted
 20 to engage said stops and support said stake plate or holder in an elevated position whereby upon raising said extensions to clear said stops the stake plate or holder will automatically drop to a vertical position, substantially
 25 as and for the purpose set forth.

4. The combination with a rigidly - constructed work-bench having cross-ties rigidly connecting the front and back legs thereof,
 30 of a stake plate or holder in pivotal connection with the bench or framework thereof, arms pivotaly connected to said stake plate or holder near the outer edge thereof, extensions at the lower ends of said arms, and stops
 35 located on said cross-ties to engage said extensions and hold said stake-plate in an elevated position, the said stops being arranged to permit of ready releasement of said extensions whereupon the stake plate or holder
 40 will automatically drop to a vertical position beneath the bench substantially as and for the purpose set forth.

5. The combination with a work-bench hav-

ing a top A; rigid front and back legs *a* and cross-ties G rigidly connecting said front and back legs, of a stake plate or holder B; one
 45 edge of which is in pivotal connection with said front legs, stops *j* secured to the upper side of said cross-ties, arms E in pivotal connection with said stake plate or holder near
 50 the front edge thereof, a cross-bar *h* connecting the lower ends of said arms and having extensions *i* projecting beyond the outer sides thereof adapted to engage said stops whereby
 55 said stake plate or holder is supported in an elevated position and whereby upon raising the said extensions to clear said stops the said stake plate or holder will automatically drop to a vertical position, substantially as and for
 the purpose set forth.

6. The combination with a work-bench hav-
 60 ing a top A; rigid front and back legs *a* and cross-ties G rigidly connecting said front and back legs, of a stake plate or holder provided with ears *c* and *e*, means whereby said ears
 65 are pivotaly connected with said front legs, stops *j* secured to the upper side of said cross-ties, arms E in pivotal connection with said stake plate or holder near the front edge thereof,
 70 a cross-bar *h* connecting the lower ends of said arms and having extensions *i* projecting beyond the outer sides thereof and adapted to engage said stops whereby said stake plate or holder is supported in an elevated position
 75 and whereby upon raising said extensions to clear said stops the said stake plate or holder will automatically drop to a vertical position, substantially as and for the purpose set forth.

In testimony whereof I have hereunto subscribed my name, in presence of two witnesses,
 this 26th day of May, 1902.

GEORGE W. LUTZ.

Witnesses:

CHAS. C. ROGERS,
 H. S. WIRT.