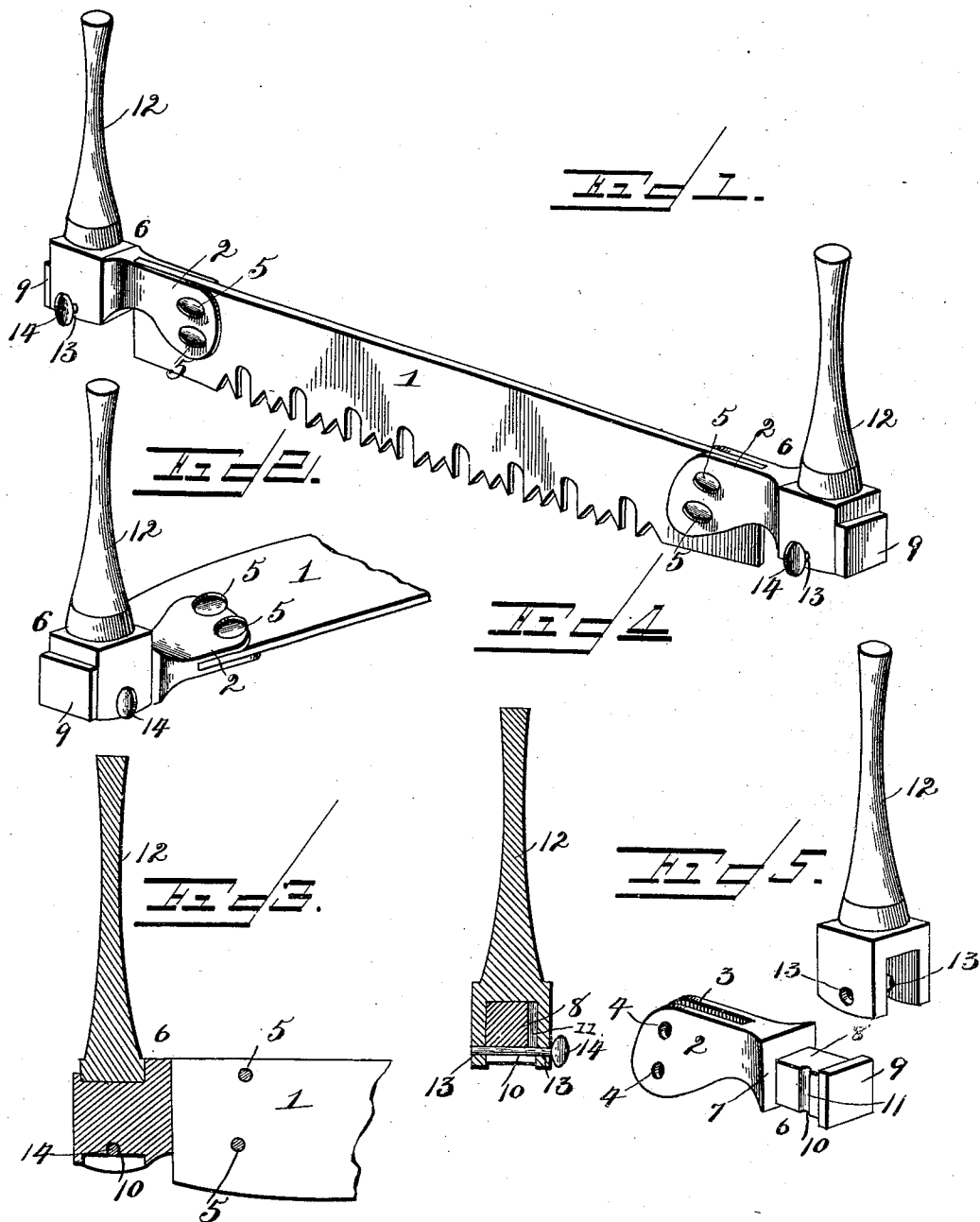


(No Model.)

J. R. & W. R. RANDOLPH.  
REVERSIBLE SAW HANDLE.

No. 508,975.

Patented Nov. 21, 1893.



Witnesses

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# UNITED STATES PATENT OFFICE.

JILES R. RANDOLPH AND WILLIAM R. RANDOLPH, OF TRIGG COUNTY,  
KENTUCKY.

## REVERSIBLE SAW-HANDLE.

SPECIFICATION forming part of Letters Patent No. 508,975, dated November 21, 1893.

Application filed April 4, 1893. Serial No. 469,049. (No model.)

*To all whom it may concern:*

Be it known that we, JILES R. RANDOLPH and WILLIAM R. RANDOLPH, citizens of the United States, residing in the county of Trigg (Cadiz P. O.) and State of Kentucky, have invented a new and useful Reversible Saw-Handle, of which the following is a specification.

This invention relates to reversible saw-handles, and has for its object to provide a handle that may be quickly reversed in order to accommodate the position of the operator to produce comfort and ease in sawing logs longitudinally as well as transversely.

With these and other objects in view the invention consists of the construction and arrangement of the parts thereof as will be hereinafter more fully described and claimed.

In the drawings: Figure 1 is a perspective view of a saw-blade having the improved handle applied thereto. Fig. 2 is a similar view of a blade showing the improved handle arranged at right angles to the position shown in Fig. 1. Fig. 3 is a vertical longitudinal sectional view, the parts being arranged as shown in Fig. 1. Fig. 4 is a transverse sectional view, the parts being arranged as shown in Fig. 2. Fig. 5 is a detail perspective view of the parts of the handle detached from the saw-blade and separated.

Similar numerals of reference indicate corresponding parts in the several figures of the drawings.

Referring to the drawings, the numeral 1 designates a saw-blade, having on the opposite ends thereof the improved form of handle, and as both of the handles are of the same formation only one of the same will be described. The bracket 2 is formed with a slot 3 to receive the end of the saw-blade, and the opposite parts of the said bracket forming the walls of the said slot 3 are provided with a pair of aligned openings 4 to receive removable bolts 5 that are passed through said openings and similar openings in the end of the saw-blade to hold the bracket in removable connection with the saw-blade. The outer part of the said bracket is formed with a head 6 that is constructed with a groove 7, to form a bearing or engaging-bar 8, having an outer

flanged end, as at 9, and said flanged end together with the opposite shouldered wall or terminating part of the said bar provides limiting stops or guards. The said engaging bar is formed with an under groove 10, extending transversely thereacross that communicates with another groove 11, extending vertically across one side of the same, it being observed that the said grooves are at a right angle to each other. The bearing or engaging-bar is also arranged at a slight oblique angle to properly position the handle relatively to the saw-blade, as shown, and removably fitted over the said engaging-bar is the adjustable handle 12, having a lower bifurcated end that is of such size as to snugly fit the said engaging-bar, and the opposite parts of which are of such length as to slightly project beyond the thickness in any direction of the said engaging-bar which has its portion, receiving the handle, of the same breadth and thickness to permit the handle to be fitted from the top and side to bring the saw blade in a vertical or horizontal position. The opposite parts of the said bifurcated end of the handle are formed with aligned openings 13, that are adapted to communicate with the opposite terminations of the grooves in the engaging-bar, as shown in the accompanying drawings, and held in either of the positions shown by a removable pin 14, that is passed through the said opening 13 and engages either of the cross-grooves of the said engaging-bar. The bifurcated end of the handle is of such size as to snugly fit over the engaging-bar, and the latter being of angular form the said handle is thereby prevented from having loose play, as it is held against movement or effort to withdraw the same by the pin 14. Lateral or sidewise movement of the handle is also prevented by the limiting stops or shoulders formed at the opposite ends of the engaging-bar, as the said engaging-bar is of such length between the said stops or shoulders as to admit of the bifurcated end of the handle fitting between the said stops or shoulders and engaging the same.

The advantages of the improved construction are manifold, but among many others is the close fitting of the handle on the engaging-

bar in either of its adjusted positions, and it will not be permitted to work loose or have any play whatsoever. The construction of the several parts being strong and durable they will stand hard usage and wear and tear. The reversible nature of the handle also permits the operator to stand in the same position when sawing longitudinally of timber as when sawing transversely of the same.

10 Changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

15 Having described the invention, what is claimed as new is—

1. In combination with the saw-blade, of an engaging-bar held in connection therewith at the end of the same having grooves in the bottom and one side thereof extending transversely of the same, and a handle removably and adjustably fitted to said bar, a pin being passed through the one end of said handle and engaging one or the other of the said grooves when the handle is adjusted from one position to the other, substantially as described.

2. The combination of a saw blade provided

with a longitudinally disposed outwardly extending rectangular head of the same breadth and thickness, a reversible handle having a bifurcation at its lower end adapted to receive and fit upon the side or top of the head, and means for detachably securing the handle to the head, whereby the handle may be reversed, substantially as described.

3. In combination with a saw-blade, of a bracket removably connected thereto, and having an integral engaging-bar with shoulders at opposite terminations thereof and with a groove in the bottom and one side of the same, a handle having a bifurcated end with aligned openings therein removably fitted to the said engaging-bar, and a pin removably mounted in the said openings of the bifurcated end of the handle and arranged to engage either one of the said grooves of the engaging-bar, substantially as described.

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

JILES R. RANDOLPH.

WILLIAM R. RANDOLPH.

Witnesses:

H. B. MCKINNEY,

JNO. D. SHAW.