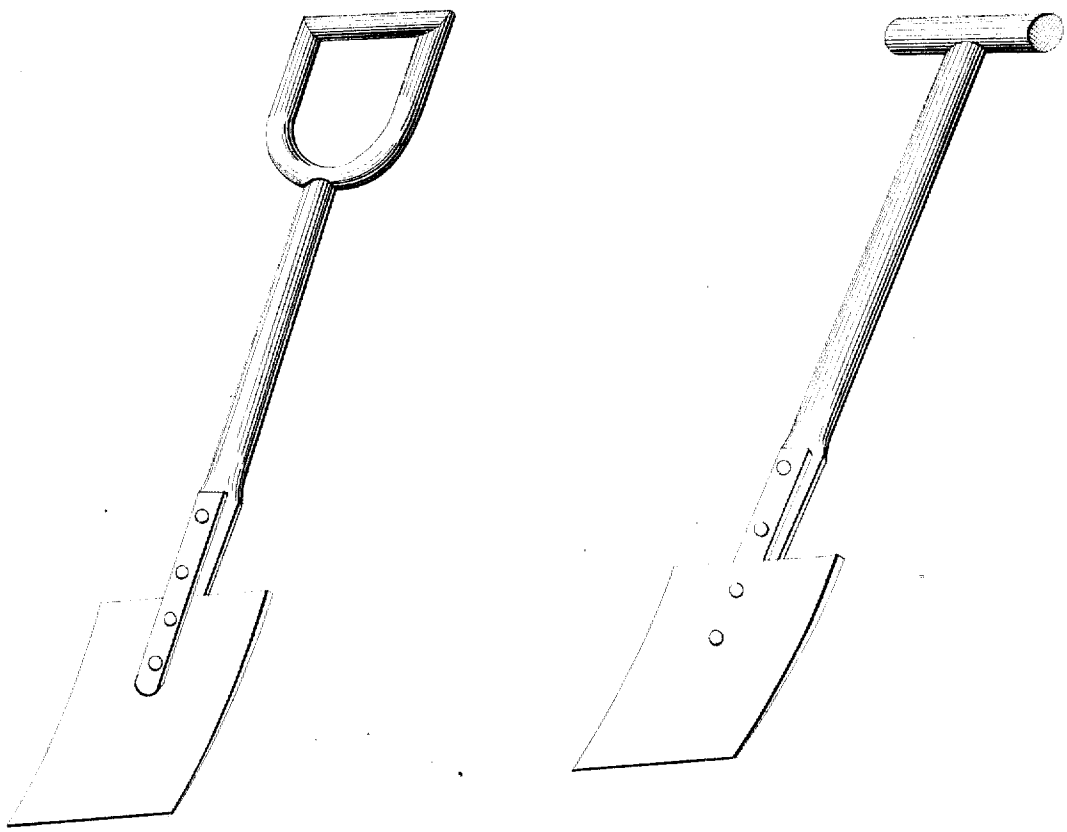
4022X

J. WOOD.

Shovel.

Patented Feb. 10, 1825.



N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON D. C.

4022X

UNITED STATES PATENT OFFICE.

JAMES WOOD, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN THE MANUFACTURE OF SHOVELS AND SPADES.

Specification forming part of Letters Patent dated February 10, 1825.

To all whom it may concern:

Be it known that I, JAMES WOOD, of Philadelphia, Pennsylvania, have invented an Improvement in Making Shovels and Spades, of which the following is a specification.

This improvement in the making or manufacturing of shovels and spades consists in making the blades entirely of steel and attaching the blade to the handle by means of the steel or iron straps fastened to the blade, and also to the handle by rivets on the front and back side of the blade and handle, or by a strap on the back side only, the support of the front side formed from the plate of which the said plate is made, and in making the said blades each from a single piece of steel rolled to the proper dimensions and not hammered.

The difference between this improved mode of making or manufacturing shovels and spades and the modes heretofore in use is that heretofore they have been made of iron, and none have been made of steel. The supports by which the blade is fastened to the handle by the old method are formed from and are part of the blades themselves, instead of being fastened to the blades by rivets, and the whole formed from a sheet of iron doubled and welded together by hammering, instead of being rolled from a piece of steel, as by this method.

In testimony that the above is a true specification of my said improvement I have hereunto set my hand this 22d day of January, A. D. 1825.

JAMES WOOD.

Witnesses:
WILLIAM T. SMITH,
GEO. C. GODDARD.