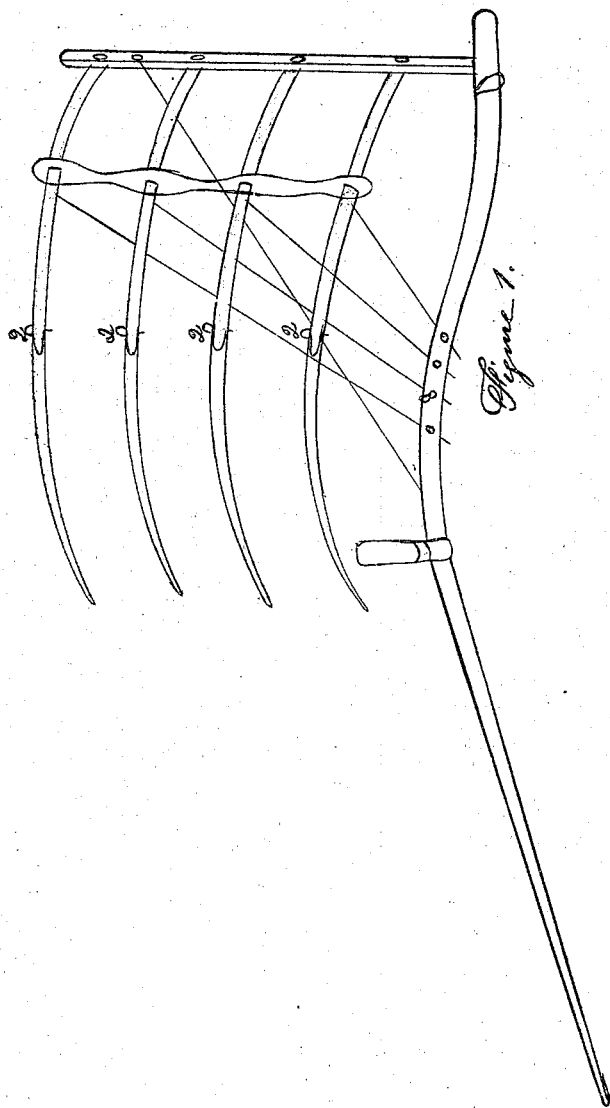


*Wood & Loveland,  
Grain Cradle.*

*No. 3814*

*Patented. Nov. 9. 1844.*



# UNITED STATES PATENT OFFICE.

WILLIAM A. WOOD AND JOHN C. LOVELAND, OF HOOSICK FALLS, NEW YORK.

## IMPROVEMENT IN GRAIN-CRADLES.

Specification forming part of Letters Patent No. 3,814, dated November 13, 1844; antedated November 9, 1844.

*To all whom it may concern:*

Be it known that we, WILLIAM A. WOOD and JOHN C. LOVELAND, of the village of Hoosick Falls, in the county of Rensselaer and State of New York, have invented a new and useful improvement on the machine commonly called and known as the "Grain-Cradle;" and we do hereby declare that the following is a full and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a perspective view of the machine. Letter 2 represents where the metallic parts of teeth are joined to the wooden parts of teeth.

The nature of our improvement and invention consists in making the teeth of the cradle whole or in part of hollow metal, and when only part is metallic the metal composes the lower end or extremity of the teeth, being the part that requires the most curve, and is

twenty inches long. The remainder of the teeth are composed of wood, and are attached to the metallic parts of teeth by entering the tube about three inches, and are secured by a wire pin passing transversely through the parts of teeth, as shown at Fig. 2 in drawings, the metallic teeth or parts of teeth being of the usual thickness, or nearly so, of the wooden teeth heretofore in use.

What we claim as our invention and improvement, and desire to secure by Letters Patent, is—

The use of said hollow metallic teeth and hollow metallic parts of teeth, the metal being less liable than wood to relax and straighten.

WILLIAM A. WOOD.  
JOHN C. LOVELAND.

Witnesses:

JASON BURRELL,  
ADIN THUGER.