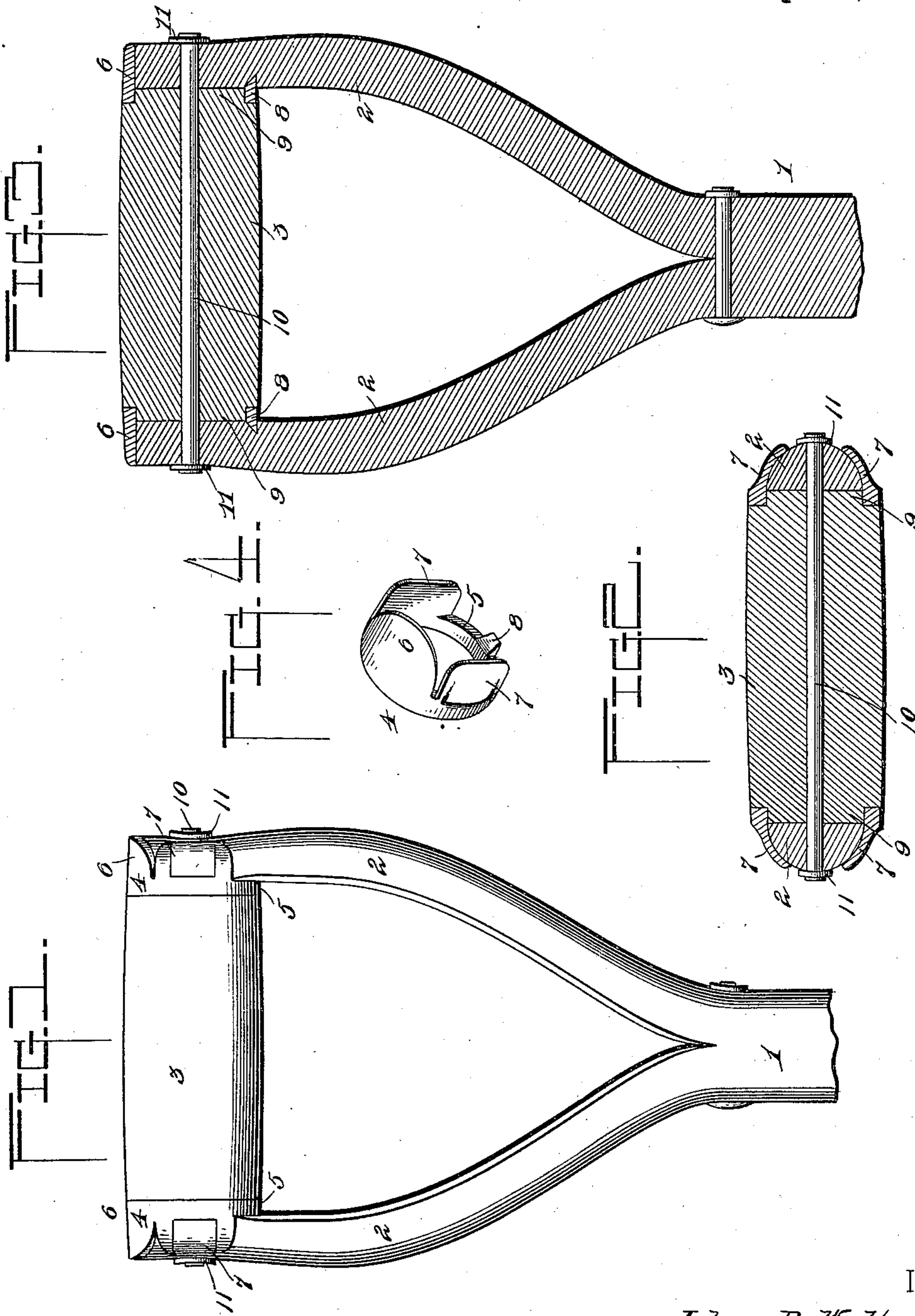


(No Model.)

J. P. WALTER.
TOOL HANDLE.

No. 601,690.

Patented Apr. 5, 1898.



Inventor

John P. Walter.

Witnesses

W. J. L. L. L.
Edwin L. L.

By his Attorneys,

C. A. Snow & Co.

UNITED STATES PATENT OFFICE.

JOHN P. WALTER, OF EDGERTON, OHIO.

TOOL-HANDLE.

SPECIFICATION forming part of Letters Patent No. 601,690, dated April 5, 1898.

Application filed January 20, 1897. Serial No. 619,955. (No model.)

To all whom it may concern:

Be it known that I, JOHN P. WALTER, a citizen of the United States, residing at Edgerton, in the county of Williams and State of Ohio, have invented a new and useful Tool-Handle, of which the following is a specification.

This invention relates to that class of wooden handles for shovels and like implements wherein the upper portion of the handle is furcated or forked and the hand-grip is secured between the two prongs of the fork.

The objects of this invention are to strengthen the connection between the hand-grip and the prongs and prevent splitting of the parts; and with these objects in view the invention consists in providing a ferrule adapted to be fitted over the end of the hand-grip and provided with a cap or hood to fit over the end of the prong, wings adapted to be bent down over the edges of the prong, and a projecting point to enter the prong from its inner surface.

The invention will be fully described in the following specification and particularly pointed out in the claims.

In the drawings, Figure 1 is a front elevation of a portion of a handle embodying my improvement. Fig. 2 is a horizontal section through the hand-grip. Fig. 3 is a vertical longitudinal section through the hand-grip and the prongs. Fig. 4 is a perspective view of the ferrule detached.

Similar reference-numerals indicate similar parts in the several figures.

1 represents the handle, split at its upper end to form a fork, having prongs indicated by 2. These prongs are steamed and bent to the desired form in the usual manner.

3 represents the hand-grip, and 4 my improved ferrule. This ferrule consists of the ring 5, adapted to be fitted onto the end of the hand-grip, the cap 6, to fit over the end of the prong, the wings 7, adapted to be bent over the sides of the prong, and the pin or point 8, adapted to project into the prong from its inner surface. The ferrule is made of wrought or malleable iron or any other metal that will be of suitable strength and

capable of being bent. The cap 6 is concavo-convex in cross-section to correspond with the contour of the hand-grip, so that when in position it will present a smooth and continuous surface therewith. The wings project outwardly in a straight direction from the ring 5 when the ferrule is made and until after the prong and hand-grip are arranged in position relatively to each other, after which the wings are bent inwardly toward each other over the side edges of the prong to grip the prong tightly between them and the ring 5. The pin 8 projects inwardly into the prong from its inner surface, as clearly shown in Fig. 3. The end of the hand-grip is reduced or rabbeted, as indicated at 9, for the reception of the ring 5, and preferably the ferrule is shrunk on the handle in order that it may fit tightly thereon.

10 represents a pin or rivet extending through the prongs and the hand-grip, and 11 the washers fitted over the ends of the pin, which are then burred to hold the pin in place and serve as additional safeguards against the detachment of the hand-grip from the prongs.

From the foregoing description it will be seen that I have produced a simple and efficient device which will effectively lock the hand-grip and the prongs of the fork together and which will prevent splitting of the parts.

The device can be manufactured at a very low cost, and by its use the life of the handle will be greatly lengthened, and at the same time it makes a neat finish for the handle and presents no projecting surface that can injure the hand in use.

It will be understood that changes in the form, proportion, and minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

Having thus described my invention, what I claim is—

1. In a tool-handle, the combination with the hand-grip and the forked handle, of a ferrule fitted on the end of the hand-grip and having an integral pin to project into the side of the prong, integral wings adapted to be

bent over onto the side of the prong, and an integral cap to fit over the end of the prong, substantially as described.

2. As a new article of manufacture, a fer-
5 rule comprising a ring portion, and a cap, side wings, and a pin or point, all projecting laterally in one direction from one face of the ring, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

JOHN P. WALTER.

Witnesses:
J. C. MORTLAND,
HIRAM LONG.