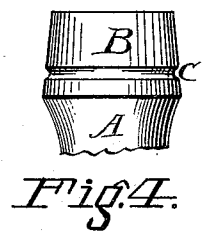
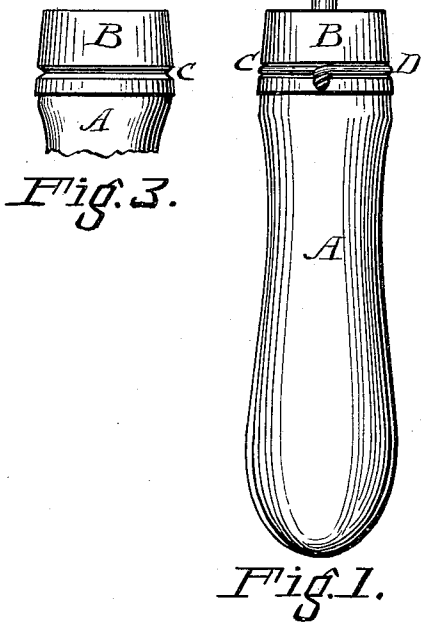
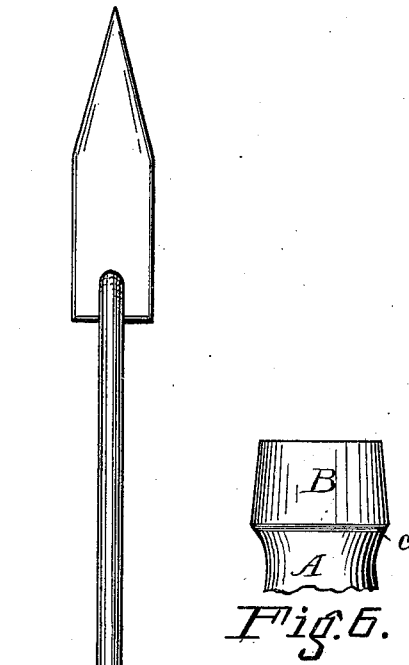
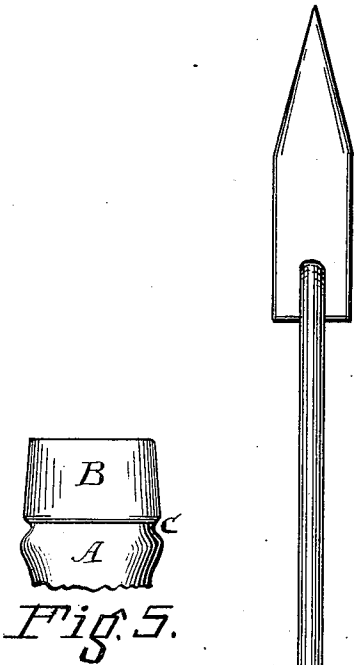


(No Model.)

J. DONOGHUE.
TOOL HANDLE.

No. 355,150.

Patented Dec. 28, 1886.



Witness,
Geo. B. Tibbitts
D. R. Tibbitts

Inventor,
James Donoghue,
By Geo. B. Tibbitts atty

UNITED STATES PATENT OFFICE.

JAMES DONOGHUE, OF CLEVELAND, OHIO.

TOOL-HANDLE.

SPECIFICATION forming part of Letters Patent No. 355,150, dated December 28, 1886.

Application filed May 1, 1886. Serial No. 200,892. (No model.)

To all whom it may concern:

Be it known that I, JAMES DONOGHUE, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Handles, of which the following is a specification.

This invention relates to that class of handles that are exposed to heat and are liable to injury by burning, and has for its object to provide a protection against such injury; and it consists of a sheet-metal cap covering the end of the handle, and having a feather-edge extending inward around the tool-shank.

This improvement is especially adapted to handles of soldering-irons. These handles, being so much exposed to extreme heat, are soon badly burned and rendered useless, thereby entailing considerable loss and inconvenience. To overcome this loss and inconvenience, I construct the handle substantially as shown in the accompanying drawings, in which—

Figure 1 is a side elevation, and Fig. 2 is a longitudinal section, of a soldering-iron, showing my improved handle. Figs. 3, 4, 5, and 6 are views showing modified forms of securing the protector.

A is a wooden handle, of suitable size and form for a soldering-iron or fire-poker.

B is a sheet-metal cap, fitted to cover the

end of the handle, and is secured by forcing the metal into a groove, C, in the wood, in each of the forms shown.

For further strengthening the handle, a strong wire band, D, may be fixed in the groove in the metal, which also serves to firmly hold the cap onto the wood, so that in case the wood shrinks the metal cap cannot slip off. The wood has a hole made in its end before the cap is placed on, and where the tool is attached the point of the tool is driven through the metal and into the wood. This forces the feather-edge *b* of the metal into the wood down around the shank of the tool.

The cap thus forms a perfect protection to the wood against the heat and preserves it for a great length of time.

Having described my invention, I claim—

The improvement in tool-handles, which consists in the combination, with the handle A, of a sheet-metal cap, B, covering the end of the handle, and a feather-edge extending inward around the shank of the tool and secured to the wood, substantially in the manner described.

JAMES DONOGHUE.

Witnesses:

GEO. W. TIBBITTS,
E. W. LAIRD.