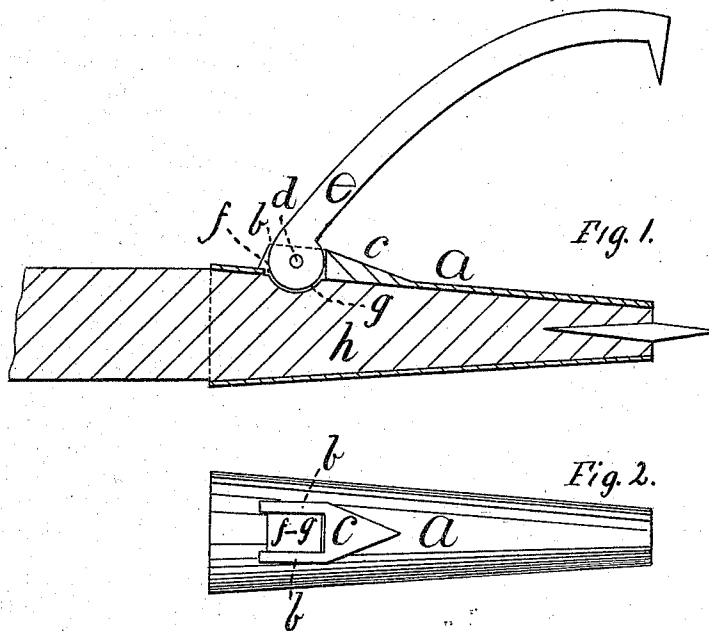


E. MANSFIELD.
Cant-Hooks.

No. 142,032.

Patented August 19, 1873.



Witness:
N. E. Brown
Eugene McKee

Inventor
Edward Mansfield
Per Abraham Lincoln Seaver Atty

UNITED STATES PATENT OFFICE.

EDWARD MANSFIELD, OF ORONO, MAINE.

IMPROVEMENT IN CANT-HOOKS.

Specification forming part of Letters Patent No. **142,032**, dated August 19, 1873; application filed March 15, 1873.

To all whom it may concern:

Be it known that I, EDWARD MANSFIELD, of Orono, in the county of Penobscot and State of Maine, have invented certain new and useful Improvements in Cant-Hooks; and I do hereby declare that the following is a full, clear, and exact description thereof, that will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings and to the letters of reference marked thereon, which form a part of this specification, in which—

Figure 1 shows a section of my invention; Fig. 2, a view of the side on which the lips are placed.

The object of my invention is to produce a cant-dog in which the hook shall be jointed near the axial line of the handle, thereby increasing the leverage and preventing it from slipping on the log, and in which the handle may be attached without being bored and weakened by bolt or rivet holes, and at the same time more securely than by the ordinary mode of wedging with the pike only. I effect my purpose in the manner shown in the drawings.

At *a* is a ferrule, some twelve inches, or thereabout, in length, covering and strengthening the lower end of the handle. *b b* show two lips, raised upon one side of the ferrule, and connected with each other at their lower ends, forming a stop, *c*, which prevents too much motion of the hook. Through these lips, as near their junction with the ferrule as possible, are bolt-holes, through which passes the bolt *d* for securing the hook *e* thereto, and between them and under this bolt, a portion of the ferrule (see *f*) is removed, as is also a corresponding portion, *g*, of the wood of the handle *h*. This allows the hinged end of the

hook *e* when in place to pass through the cavity *f* in the ferrule, and sink into the hollow *g* in the wood of the handle, and renders it impossible that the handle should come out while in use, besides allowing the joint of the hook to be placed near the axial line, as before stated. Of course, it will be necessary to put the ferrule on the handle before the hook is put in place. The ferrule may also be wedged with the pike, in the usual manner.

I do not claim attaching the hook to a separate or independent bar of metal under the ferrule, as shown in G. W. Herring's patent, No. 75,162. The hinged end of my hook projects directly into the wood of the handle, and thereby forms a lug or projection on the inner side of the ferrule, which enters the handle and secures it in place. Neither do I claim securing the ferrule to the handle by means of a screw-thread and shoulder upon the pike, as in the patent of A. Kennard. My invention embraces no such device; but

What I do claim as my invention, and desire to secure by Letters Patent, is—

A cant-dog, constructed as herein described, to wit, having a ferrule, *a*, with lips *b b* thereon, and an opening, *f*, between them, in combination with a corresponding opening or hollow, *g*, in the handle and the hook *e*, so that the inner or hinged end of said hook *e* when in place shall project into the hollow *g* of the handle, all arranged substantially as and for the purposes set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 10th day of March, 1873.

EDWARD MANSFIELD.

Witnesses:

W. E. BROWN,
WM. FRANKLIN SEAVEY.