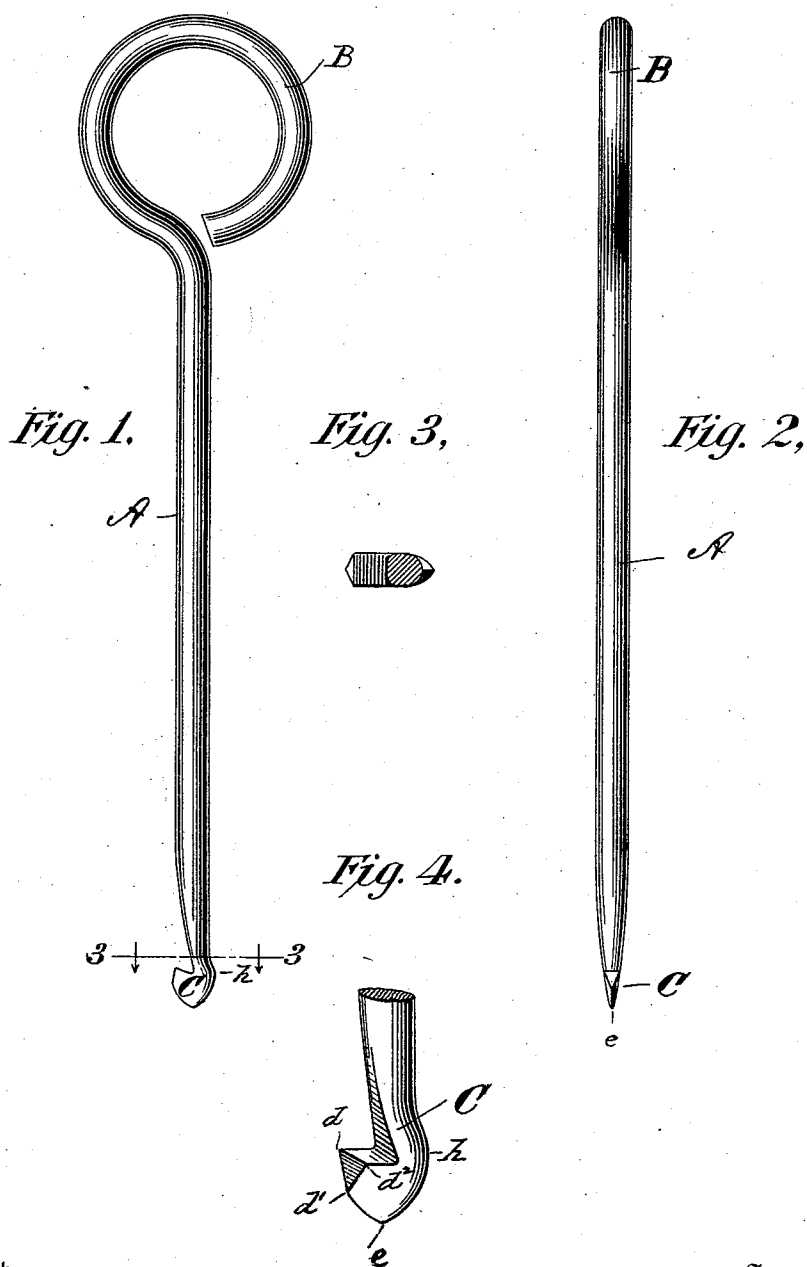


(No Model.)

C. P. HOFFMAN.
PACKING HOOK.

No. 532,557.

Patented Jan. 15, 1895.



Witnesses
C. E. Ashley
H. W. Lloyd

Inventor
Charles P. Hoffman
By his Attorney
Willard Parker & Co.

UNITED STATES PATENT OFFICE.

CHARLES P. HOFFMAN, OF NEW BRIGHTON, NEW YORK.

PACKING-HOOK.

SPECIFICATION forming part of Letters Patent No. 532,557, dated January 15, 1895.

Application filed July 16, 1894. Serial No. 517,661. (No model.)

To all whom it may concern:

Be it known that I, CHARLES P. HOFFMAN, a citizen of the United States, and a resident of New Brighton, Richmond county, New York, have invented certain new and useful Improvements in Packing-Hooks, of which the following is a specification.

My invention relates to an improvement in packing hooks, and the object of the same is to provide a hook of such form that the same having once been hooked into ring packing of the character ordinarily used for packing the stuffing boxes of piston rods, will not pull out, but will remove the packing, no matter how firmly it may be held in place. I accomplish this by means of the peculiar shape which I give to the hook itself, as hereinafter described.

The invention will be best understood by reference to the accompanying sheet of drawings, in which—

Figure 1 is a side view of the hook; Fig. 2, a front view; Fig. 3, a cross-section of the hook, and Fig. 4 an enlarged perspective view of the hook proper.

Similar letters refer to similar parts throughout the several views.

In the drawings, A represents the entire hook; B, the handle, and C the hook proper, composed of a single piece of iron or steel.

In general form the hook proper is somewhat similar in shape to an ordinary crochet needle, but it is provided with a sharp lance point, *e*, at the end, and the edge of the hook is cut off as shown in Fig. 4, so as to provide

the triangular surface, *d, d', d²*, upon the front edge of the hook. At the same time, a heel or shoulder *h* is provided, the object of which is to prevent the hook, upon insertion in the packing and after being turned, from being removed.

In using the hook it is simply pushed or drawn into the packing, into which it readily enters, as the edge *e* is sharp. It is then turned or twisted around through a right angle, and in this way the line *d d²* on the one side and the shoulder *h* engage firmly against the fiber of the packing, and it will be found impossible to remove the hook. Upon pulling upon the hook, the hook and the packing will both be pulled out of the space together.

To remove the hook from the packing, all that is necessary is to turn the hook to its original position and then turn it over, as if hinged on the line *d d'*, in the same manner as an ordinary crochet needle is removed from the wool.

I claim as my invention—

A packing hook, C, for removing packing, having at its extreme edge a lance point *e*, and provided with the flat surface *d d' d²* and the heel or shoulder *h*.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 3d day of July, 1894.

CHARLES P. HOFFMAN.

Witnesses:

C. H. LUDINGTON, Jr.,

WILLARD PARKER BUTLER.