(No Model.)

A. S. WADLEIGH.

CAN HEAD CUTTER.

No. 429,489. Patented June 3, 1890.

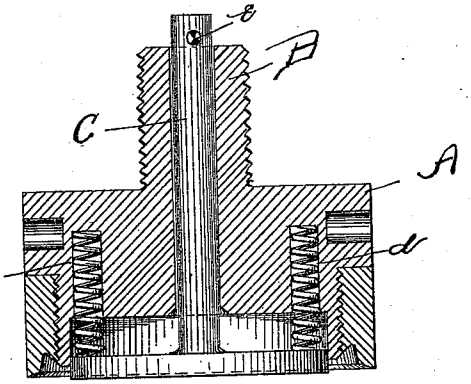

Fig. 1.

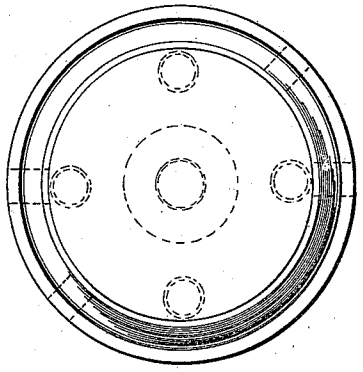

Fig. 2.

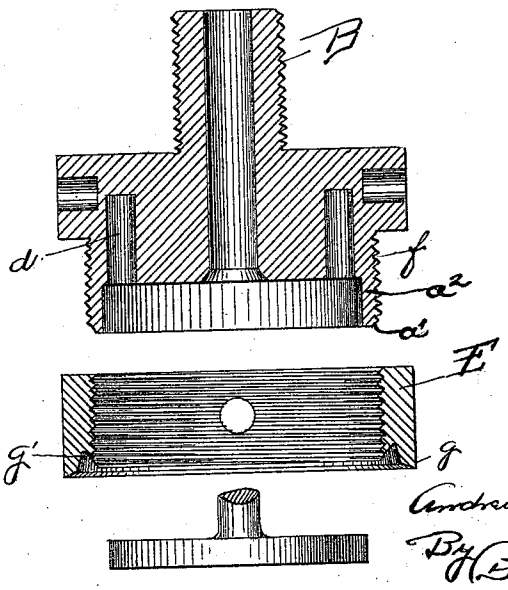

Fig. 3.

Witnesses.
F. Fallonteverde.
Philo Mills

Inventor
Andrew S. Wadleigh
By Brown & Tucker
Attys

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

ANDREW S. WADLEIGH, OF SAN FRANCISCO, CALIFORNIA.

CAN-HEAD CUTTER.

SPECIFICATION forming part of Letters Patent No. 429,489, dated June 3, 1890.

Application filed February 19, 1890. Serial No. 340,997. (No model.)

To all whom it may concern:

Be it known that I, ANDREW S. WADLEIGH, a citizen of the United States, residing at the city and county of San Francisco and State of California, have invented certain new and useful Improvements in Can-Head Cutters; and I do hereby declare the following to be a full, clear, and exact description of said invention, such as will enable others skilled in the art to which it most nearly appertains to make, use, and practice the same.

My invention relates to certain new and useful improvements in can-head cutters, and more particularly to the arrangement of the cutting tool or rim; and it consists of the parts and details of construction, as will be hereinafter more fully shown in the drawings and described and pointed out in the specification.

The object of my invention is to provide a cutter for can-heads which shall permit of the ready removal of the cutting tool or rim for the purpose of sharpening.

Referring to the drawings forming a part of this application, in which similar letters of reference are used to denote corresponding parts throughout the entire specification and several views of the drawings, Figure 1 is a sectional view of a stamp-head; Fig. 2, a bottom plan view; and Fig. 3 a similar view to Fig. 1, showing the stamp-head, cutting tool or rim, and plunger separated.

In the drawings, the letter A is used to indicate the ordinary stamp-head provided with the screw-threaded extension B for attachment to the press (not shown) in the ordinary manner. Within this head works the plunger C, which is subjected to the continual outward pressure of the springs D, located within the apertures *d*, formed in said head, and is held in adjusted position by means of the pin *e*. The outer lower portion of the stamp-head face is cut away and screw-threaded, as shown at *f*, for the purpose of permitting of reception of the cutting tool or rim. This tool or rim is indicated by the letter E and is internally screw-threaded, so as to permit of its being secured upon the reduced portion of the stamp-head, as shown, and when so secured it will be noticed that its outer annular surface is flush with the corresponding surface of the stamp-head. The lower end or edge of said tool or rim is beveled inward, so as to present the cutting-edge *g*, and has the internal annular groove *g'* formed therein for the purpose of forming the downwardly-extending annular flange of the can-head. It will be observed that the inner oblique wall of this annular groove registers with a corresponding bevel surface *a'*, formed upon the inner edge of an annular rim a^2, depending from the stamp-head. The complete annular groove, therefore, is formed by these registering bevels of the cutting-tool and stamp-head.

With the construction of my improved head and cutting tool or rim the latter may be readily removed in case of dullness and another placed thereon with only a momentary stoppage of the working of the press, thus obviating the necessity of keeping constantly on hand a number of expensive heads.

The spring plunger-rod works in the ordinary manner and forms no part of the present invention, its function being merely to serve as a medium of discharge for the can-heads upon the upward throw of the stamp-head by reason of the resiliency of the springs D.

Having thus described my invention, what I claim as new, and desire to secure protection in by Letters Patent of the United States, is—

In a can-head cutter, the combination, with a stamp-head provided at its upper end with a reduced screw-threaded tubular portion and at its lower end with a similar reduced screw-threaded portion provided with an annular recess in which the plunger-head works, the depending annular rim formed by said recess being beveled outwardly, of a plunger and plunger-rod, the latter passing through the upper tubular portion of the stamp-head, and a cutting-tool provided with interior threads registering with the lower reduced portion of the stamp-head, and also having its lower end beveled to form a cutting-edge, and an annular groove formed in its lower end, the inner oblique wall of said annular groove registering with the outwardly-beveled portion of the annular rim of the stamp-head, substantially as set forth.

In testimony whereof I affix my signature in the presence of witnesses.

ANDREW S. WADLEIGH.

In presence of—

N. A. ACKER,

M. G. LOEFLER.