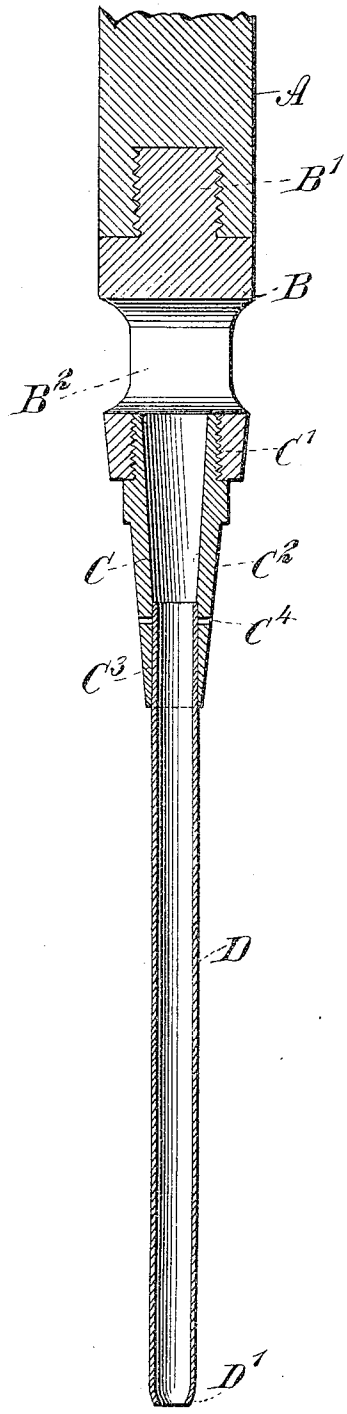
No. 801,358. PATENTED OCT. 10, 1905.

J. S. CASEY.

CUTTING OR PERFORATING TOOL.

APPLICATION FILED DEC. 27, 1904.



Witnesses
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UNITED STATES PATENT OFFICE.

JAMES S. CASEY, OF NEW YORK, N. Y., ASSIGNOR TO THE BUTTERICK PUBLISHING CO., LIMITED, OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

CUTTING OR PERFORATING TOOL.

No. 801,358. Specification of Letters Patent. Patented Oct. 10, 1905.

Application filed December 27, 1904. Serial No. 238,362.

To all whom it may concern:

Be it known that I, JAMES S. CASEY, a citizen of the United States, and a resident of the borough of Manhattan, city, county, and State of New York, have invented certain new and useful Improvements in Cutting or Perforating Tools, of which the following is a specification.

My invention relates to tools for cutting or perforating paper or other material, and is intended mainly for perforating paper in making patterns for garments. The said tool may, however, be used for many other purposes.

The object of my invention is to provide a simple and effective tool of the above-indicated class with means for receiving and retaining the pieces of paper or other material which have been cut or punched out and eventually expelling the same from said tool, if desired.

Other objects of my invention will appear from the detailed description and the features of novelty will be pointed out in the appended claims.

Reference is to be had to the accompanying drawing, which illustrates in sectional elevation a specific form of my invention.

A represents a portion of the machine which is used to operate the cutting-tool. This machine may be of any approved construction and I have therefore deemed it unnecessary to illustrate the same.

B is a head, provided with a reduced portion or neck B′, which neck is screw-threaded and is adapted to be screwed into the portion A to secure the head B to said machine portion. The said head B is further provided with openings B^2, the purpose of which will be more fully described hereinafter.

C is a tubular section which has a screw-threaded portion at C′ and is adapted to be screwed into the head B. The inside wall of said section C is inclined part of the distance, as at C^2, so that the axial passage or opening in said section is widest at the top and gradually decreases to a point about two-thirds of the distance from the top to the bottom of said section C, after which the opening is of the same diameter for the rest of the distance, as shown at C^3. This cylindrical portion C^3 of the bore-section C is adapted to receive the end of the cutting-tool D, which end may be secured in said section C in any suitable manner—as, for instance, by soldering, openings C^4 being preferably provided for the better introduction of the solder.

The tool D, which is hollow, has its cutting end contracted, as shown at D′, so that when the paper or other material has been cut or punched the pieces of paper or other material will first be compressed into the said hollow tool D and after passing the contracted end of said cutting-tool will expand and resume their original shape and will thus be prevented from leaving the tool D by the said contracted end D′, and as the use of the tool is continued the cuttings will enter the said tool one after another and gradually raise the preceding cuttings until finally the top cuttings reach the top of the tool D and then are further raised by the addition of more cuttings until eventually the said cuttings begin to drop out through the openings B^2 in the head B.

By thus constructing the cutting-tool the work is always kept free from cuttings and none of the cut pieces can remain in the holes after the tool has been removed, thus insuring clean and effective results.

The tool may be rotary or simply reciprocating.

Various modifications may be made without departing from the nature of my invention.

I claim and desire to secure by Letters Patent—

1. In a cutting or perforating tool, a head provided with an opening, a tubular section connected with said head, the bore of said tubular section being cylindrical a part of the distance and then gradually increasing in diameter toward said head and communicating with the opening thereof, and a tubular cutting-tool having one end connected to said tubular section and having its other or cutting end contracted to retain the cuttings in said cutting-tool.

2. In a cutting or perforating tool, a head provided with an opening, a tubular section in screw-threaded engagement with said head, the bore of said tubular section being cylindrical a part of the distance and then gradually increasing in diameter toward said head

and communicating with the opening thereof, and a hollow cylindrical cutting-tool having one end connected with and extending into said tubular section and having the cutting edge at its other end contracted or bent inwardly to retain the cuttings in said cutting-tool.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

JAMES S. CASEY.

Witnesses:
WM. T. HEAD,
HARRY E. DUKE.