

No. 855,079.

PATENTED MAY 28, 1907.

W. S. WARD.
FORGED STEEL HAMMER.
APPLICATION FILED SEPT. 26, 1905.

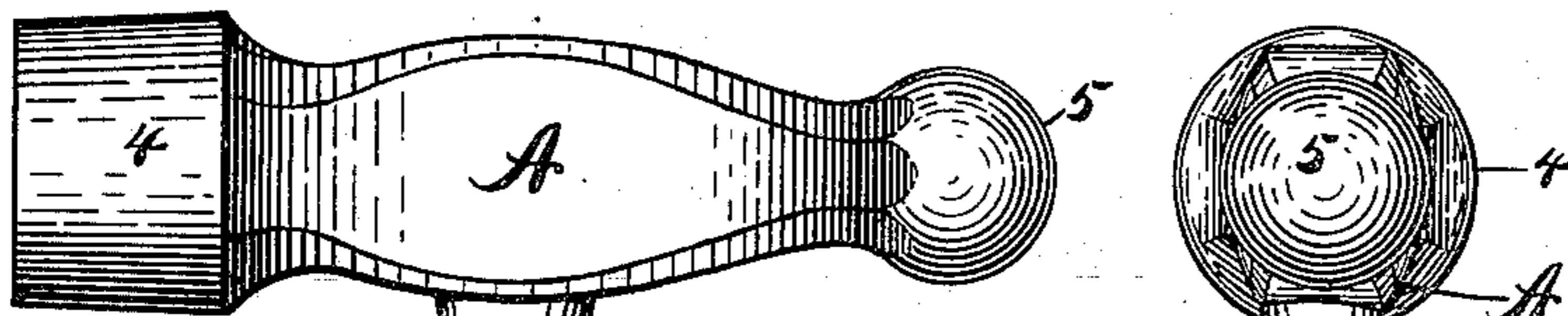
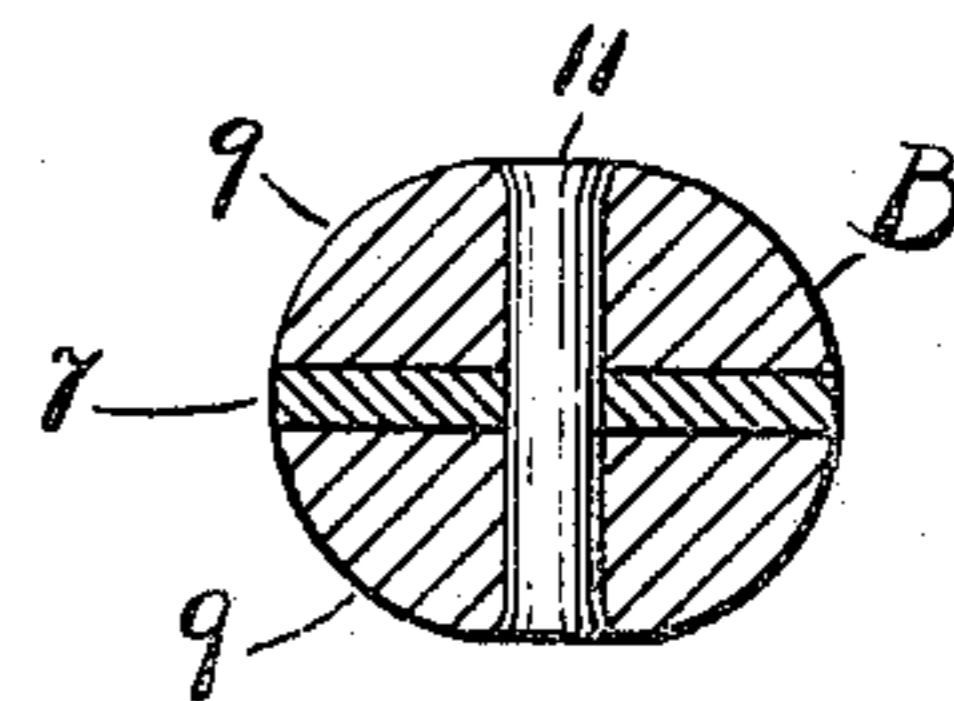


Fig. 1.

Fig. 2.

Fig. 3.



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UNITED STATES PATENT OFFICE.

WILLIAM S. WARD, OF PLANTSVILLE, CONNECTICUT, ASSIGNOR TO H. D. SMITH & COMPANY, OF PLANTSVILLE, CONNECTICUT, A CORPORATION.

FORGED-STEEL HAMMER.

No. 855,079.

Specification of Letters Patent.

Patented May 28, 1907.

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To all whom it may concern:

Be it known that I, WILLIAM S. WARD, a citizen of the United States, residing at Plantsville, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Forged-Steel Hammers, of which the following is a specification.

My invention relates to improvements in forged steel hammers for machinists use, and the objects of my improvement are economy in construction and efficiency in use.

In the accompanying drawing:—Figure 1 is a side elevation of my hammer. Fig. 2 is an edge view of the same. Fig. 3 is a transverse section on the line $x x$ of Fig. 1.

I make the hammer head A and main portion of the handle B of a single piece of steel formed by drop forging. The middle portion of the head A constitutes its body, at one end of which is the face end 4 and at the other end the tip end 5, which ends are preferably of the form shown, the said form being particularly adapted for the use of machinists or analogous use. From the middle of the head A, the handle shank 6 extends with an oval form toward each end while its middle portion is slender and substantially round in cross section. A flattened handle web 7, extends from the outer end of the handle shank 6 which gradually merges into the said web as shown at 8. The handle web terminates in a rounded butt 10 that merges in like manner into the said web. The larger part of the handle is completed by the handle scales 9, of wood or other light and soft material secured in place on the opposite sides of the said web, partly by rivets 11 passing through the said scales and web and partly by the shape of the end portions of the handle web at the junction of the said web with the shank and butt respectively, and the ends of the

handle scales as fitted thereto. The outer faces of the handle scales are rounded to complete the rounded or oval form of the handle at its larger part. The ends of the hammer head will be hardened and tempered in any ordinary manner and the shank should be given what is known as a "spring temper."

By my improvements the main portion of the handle and the hammer head may be forged in one piece of steel whereby the hammer can be produced at a small cost. A neat and attractive form of handle is produced which being mainly in one piece with the head can never become loose and is very durable. The shank can be made of a slender form and given a spring temper for giving a desirable and effective stroke.

I claim as my invention:—

1. A hammer consisting of a hammer head and main portion of the handle formed in a single piece of forged steel, the shank of the said handle extending from the middle portion of the hammer head with an oval form toward each end, while its middle portion is slender and substantially round in cross section, and having a spring temper for giving a desirable and effective stroke.

2. A hammer consisting of a hammer head and main portion of the handle formed in a single piece of forged steel, the said handle having a flattened handle web and handle scales arranged parallel to the length of the hammer head, and with a long and slender shank of oval form toward each end while its middle portion is substantially round in cross section.

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Witnesses:

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