No. 762,099. PATENTED JUNE 7, 1904.

N. SPERRY.

AUGER BIT.

APPLICATION FILED MAR. 24, 1904.

NO MODEL.

Fig. 1

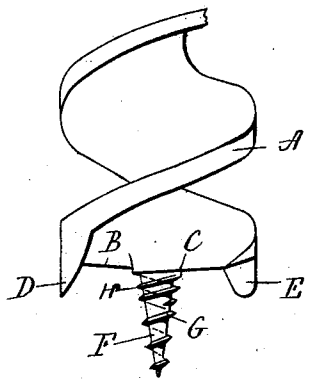


Fig. 2

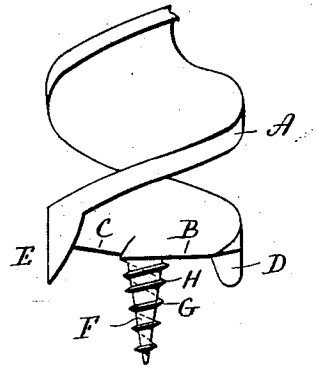
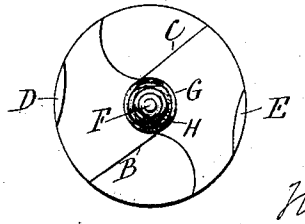


Fig. 3



Witnesses
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No. 762,099. Patented June 7, 1904.

UNITED STATES PATENT OFFICE.

NORMAN SPERRY, OF SEYMOUR, CONNECTICUT.

AUGER-BIT.

SPECIFICATION forming part of Letters Patent No. 762,099, dated June 7, 1904.

Application filed March 24, 1904. Serial No. 199,673. (No model.)

To all whom it may concern:

Be it known that I, NORMAN SPERRY, of Seymour, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Auger-Bits; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a side view of the end of an auger-bit constructed in accordance with my invention; Fig. 2, a similar view turned half around; Fig. 3, an end or plan view.

This invention relates to an improvement in auger-bits, and particularly to that class which include a spiral head or body, two floor-lips, with a gimlet-point. In bits of this character it is desirable that a coarse thread should be employed on the point in order that sufficient draw may be obtained in cutting, but it is desirable to have a double thread on the point, one leading from each floor-lip, so as to avoid an abrupt shoulder at the junction of the floor-lips with the point.

The object of this invention is to produce an auger-bit which will possess these advantages; and the invention consists in the construction as hereinafter described, and particularly recited in the claim.

The head or body A of the bit is of usual spiral form, terminating in floor-lips B C, and may have spurs D E of usual form and the usual point F. This point is threaded, the thread G starting from the inner end of the lip C and extending to the end of the point F, while the inner edge of the lip B merges into a thread H, which extends around the point F midway between the threads G and dies out into the point about midway of its length. The thread G at the lower portion of the point forms a coarse thread and gives the required draw, while the thread H assists the thread G in giving sufficient cut to the wood and provides a cutting-thread for each floor-lip, thus giving all the practical advantages of a double-threaded point and the drawing qualities of a single thread.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

An auger-bit comprising a body, two floor-lips and a point, a thread extending from one floor-lip to the outer end of the point, and a thread extending from the other floor-lip between the other threads and dying out above the outer end of the point, substantially as described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

NORMAN SPERRY.

Witnesses:

FREDERIC C. EARLE,

CLARA L. WEED.