(No Model.)

W. J. RICKEY.

LUBRICATING TWIST DRILL.

No. 589,576. Patented Sept. 7, 1897.

Fig. 1

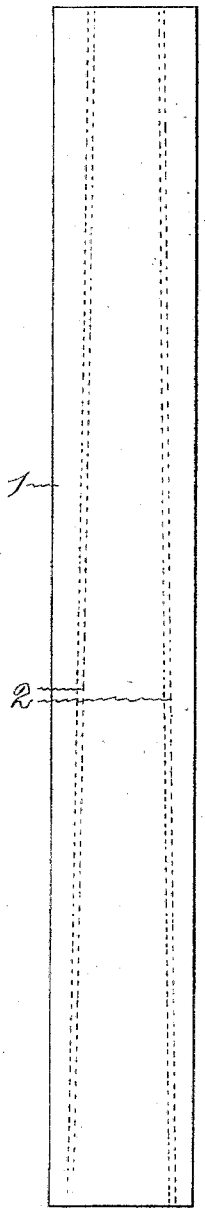


Fig. 2

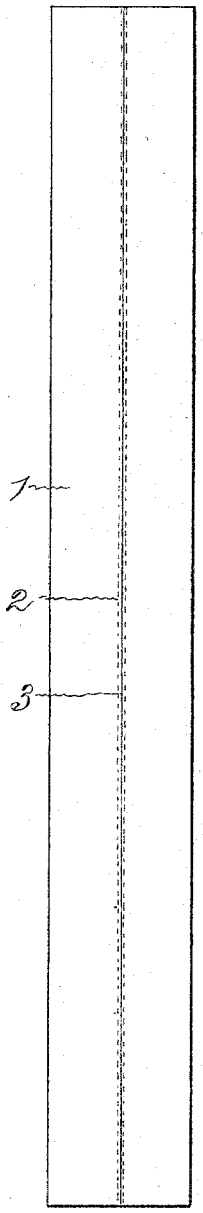


Fig. 3

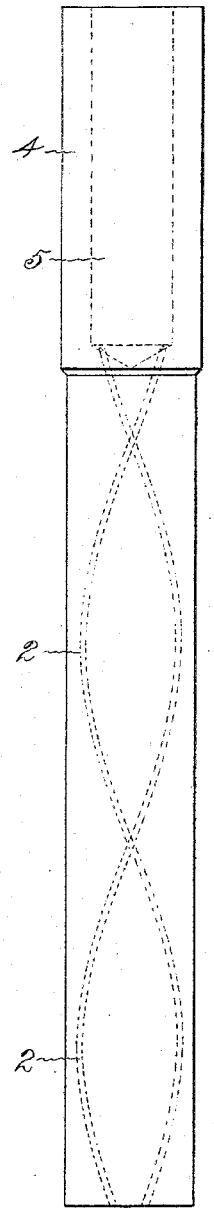
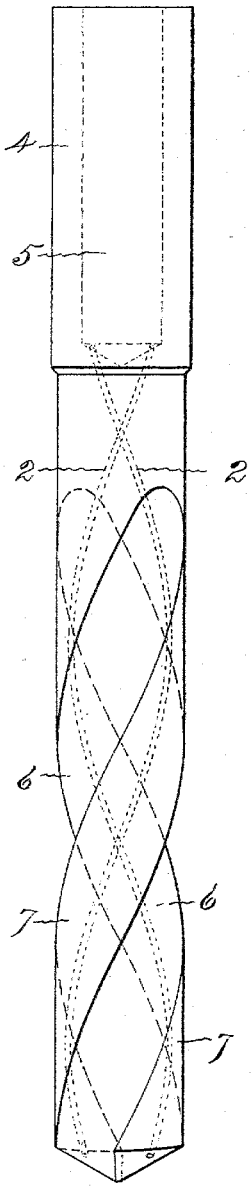


Fig. 4

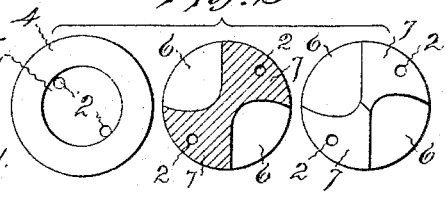


Witnesses:

Andrew Ferguson

C. E. Burckhardt.

Fig. 5



Inventor:

Walter J. Rickey,

by

Harry R. Williams

atty.

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