

(No Model.)

S. H. WOODBURY.

GUARD FOR SHIELDING SET SCREWS IN PULLEYS.

No. 315,204.

Patented Apr. 7, 1885.

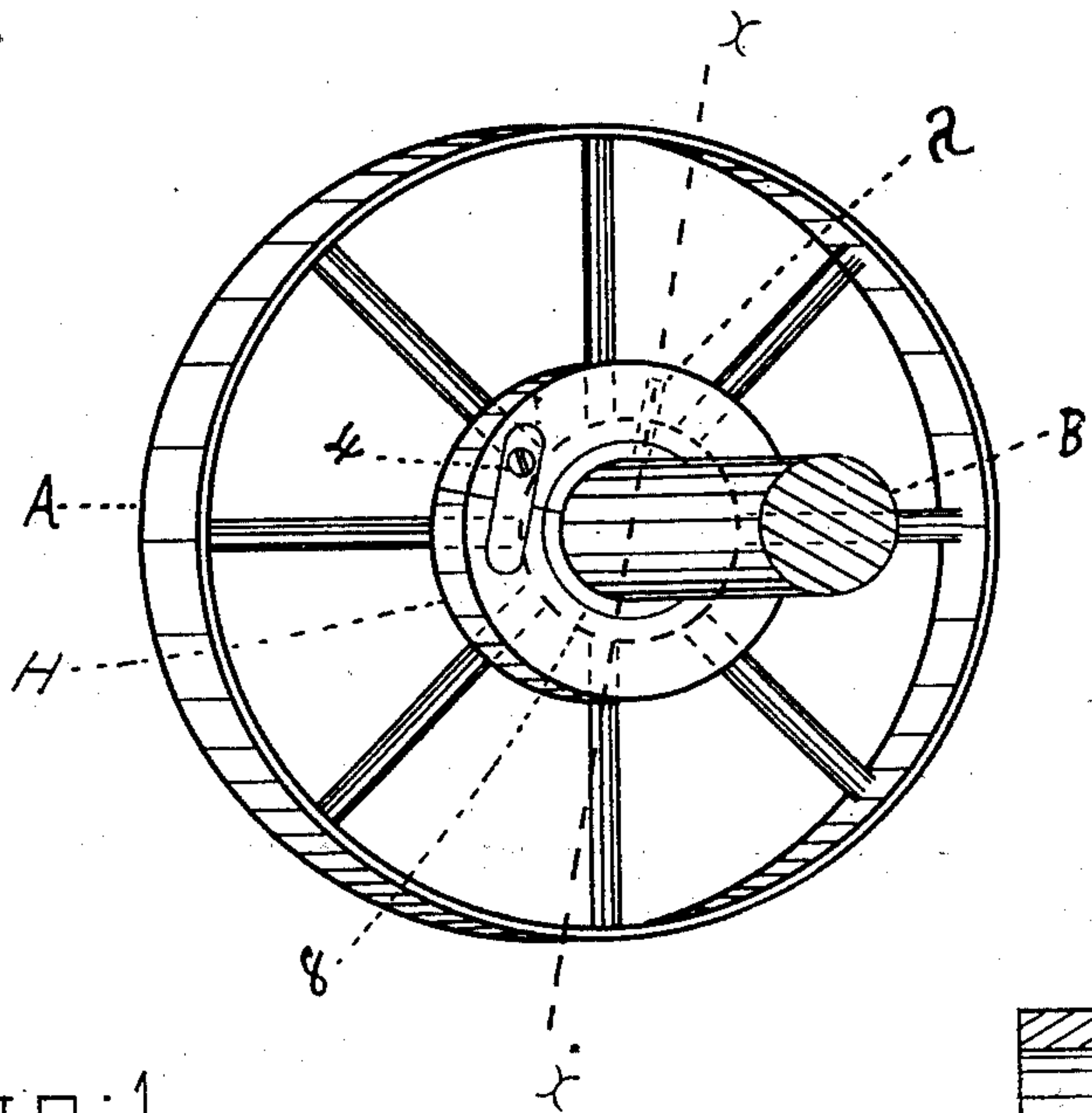


Fig:1.

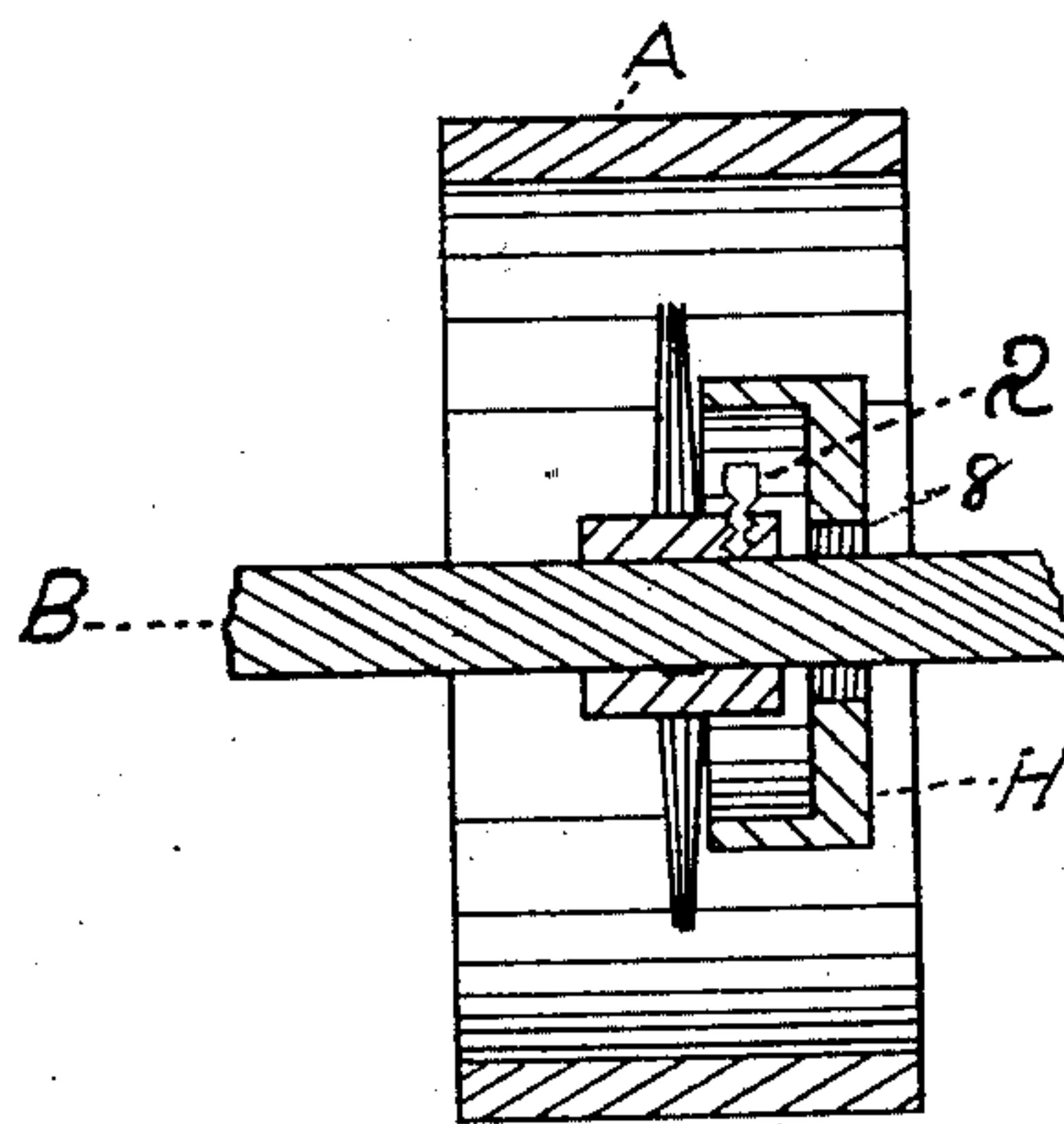


Fig:2.

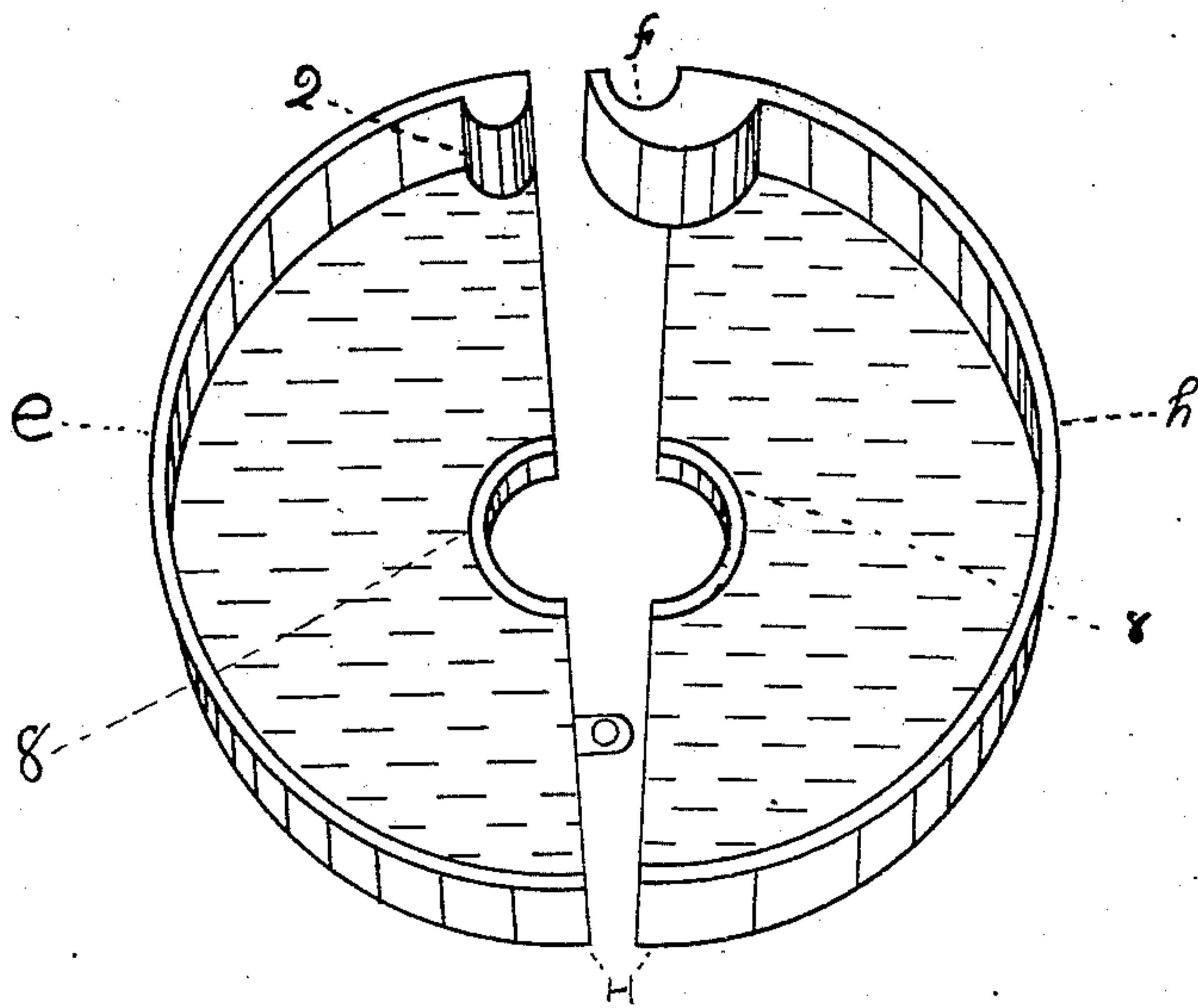


Fig:3.

Witnesses.

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GUARD FOR SHIELDING SET-SCREWS IN PULLEYS.

SPECIFICATION forming part of Letters Patent No. 315,204, dated April 7, 1885.

Application filed February 3, 1885. (No model.)

To all whom it may concern:

Be it known that I, SETH H. WOODBURY, of Lynn, in the county of Essex and Commonwealth of Massachusetts, have invented a
5 Guard for Shielding Set-Screws in Pulleys, of which the following, taken in connection with the accompanying drawings, is a specification.

This invention relates to means for covering and shielding set-screws in pulleys, and
10 thus preventing accidents and injury to the persons who work about the same.

The nature of the invention is fully described hereinafter, and specifically pointed out in the claims.

15 Referring to the drawings, Figure 1 represents a pulley and set-screw with my set-screw guard attached thereto. Fig. 2 is a vertical cross-section made on dotted line *xx*. Fig. 3 is a view of the guard or shield detached.
20

The pulley A, shaft B, and set-screw *a* are all constructed and combined together in the usual and customary way. The shield or guard H is preferably composed of two parts,
25 as shown in Fig. 3. They may be composed of wood, paper, iron, or other obvious materials. The half *e* is provided with a small rib, 2, adapted to fit into a corresponding groove, *f*, in one end of the half *h*, thus locking
30 these two ends of the shield together while it is sprung round the hub of the pulley or its central shaft, B, and fastened by the screw 4, as represented in Fig. 1.

35 Instead of the two parts, as described, the shield may, if desired, be made in one piece

and sprung round the shaft. The central hole of the shaft is provided with a flexible bushing, 8, which yields slightly, thus allowing the shield to be sprung onto and accommodate itself to shafts of different sizes. The
40 shield of course grips onto the shaft or hub of the pulley, and revolves with the same, and it may be removed at any time whenever it is desired to do so, either to get at the set-screw or for any other purpose.
45

What I claim, and desire by Letters Patent to secure, is—

1. The combination of a pulley, a set-screw, and a set-screw guard or shield, said guard or shield being adapted to conceal the set-screw, substantially as shown, and being detachably connected to the pulley, substantially
50 as and for the purposes described.

2. A set-screw guard or shield composed of a flanged disk or shell having a central opening provided with a yielding or flexible bushing, and adapted to be sprung or locked round
55 a shaft or pulley-hub, as and for the purposes described.

3. A set-screw guard or shield composed of
60 the half or part *e*, having rib 2, and the half *h*, having groove *f*, whereby they are locked together at one end and adapted to be clasped about a shaft or pulley-hub, substantially as and for the purposes stated.

SETH H. WOODBURY.

Witnesses:

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