

N^o 18,202



A.D. 1898

Date of Application, 24th Aug., 1898—Accepted, 15th Oct., 1898

COMPLETE SPECIFICATION.

Improvements in Guards and Protectors for Machinery.

We, JULIA DENNIS RICHARDS, of No. 16, St. Thomas Square, Newport, Isle of Wight, Mineral Water Manufacturer, and ALFRED BURTON, of No. 1, Herlon Terrace, Clifford Street, Newport, Isle of Wight, Foreman of Mineral Water Works, do hereby declare the nature of this invention and in what manner the same is to be performed to be particularly described and ascertained in and by the following statement:—

Our invention relates to improvements in guards and protectors for machinery, and the object is to provide a simple and effective means for preventing accidents by machinery when in use. In putting our invention into practice we proceed in or in about the following manner. At one end or at both ends of any spindle or shaft carrying wheels or other rotating parts and outside of such parts we attach a convex disc of wood or other suitable material. The protector may also be of sheet metal "dished" to present a convex face or it may be of wire work. In any case it is made of size convenient for the purpose and adapted to the machinery to be protected and may be attached to the spindle by screwing, bolting, or by any other means. In the drawing, which represents a side view of the protector applied to a spindle carrying a rigger or pulley, *a* is the shaft, *b* the bearing, *c* the standard, *d* the rigger or pulley, outside of which, and attached to the end of *a* is the guard or protector *e*.

We do not confine ourselves to precisely the shape shown in the drawing as some variation is possible without departure from the spirit of our invention.

Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed we declare that what we claim is:—

Protectors or guards for machinery, each protector or guard consisting essentially of a convex faced piece of material, or of a sheet metal, wire or other construction, presenting a convex surface to shield the machinery, to the end or ends of the shaft or spindle of which machinery the said protectors or guards are attached by any suitable means, the whole substantially as described in the above specification and exemplified in the accompanying drawings.

Dated this 12th day of August 1898.

HUGHES & YOUNG,
23, Coleman Street, E.C., Agents.

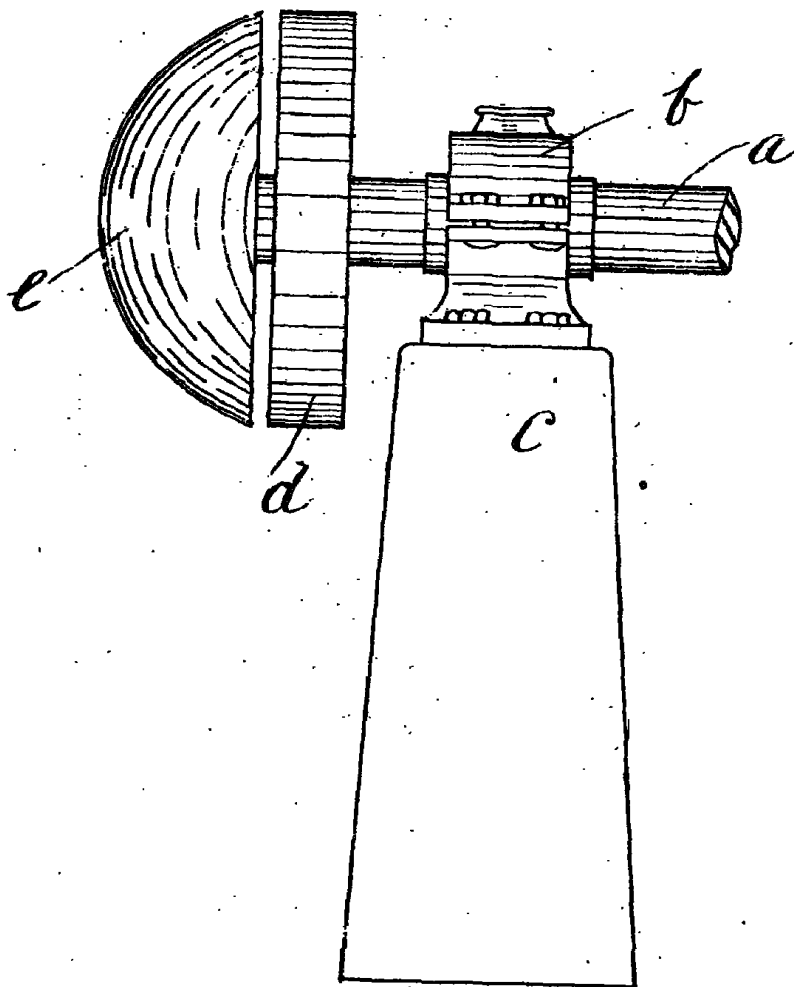
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[Price 8d.]

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RICHARDS & another's COMPLETE SPECIFICATION.

(1 SHEET)



[This Drawing is a full-size reproduction of the Original.]