

(Model.)

T. KITSON.

CLOTH GUIDE FOR FULLING MILLS, &c.

No. 329,457.

Patented Nov. 3, 1885.

Fig. 1.

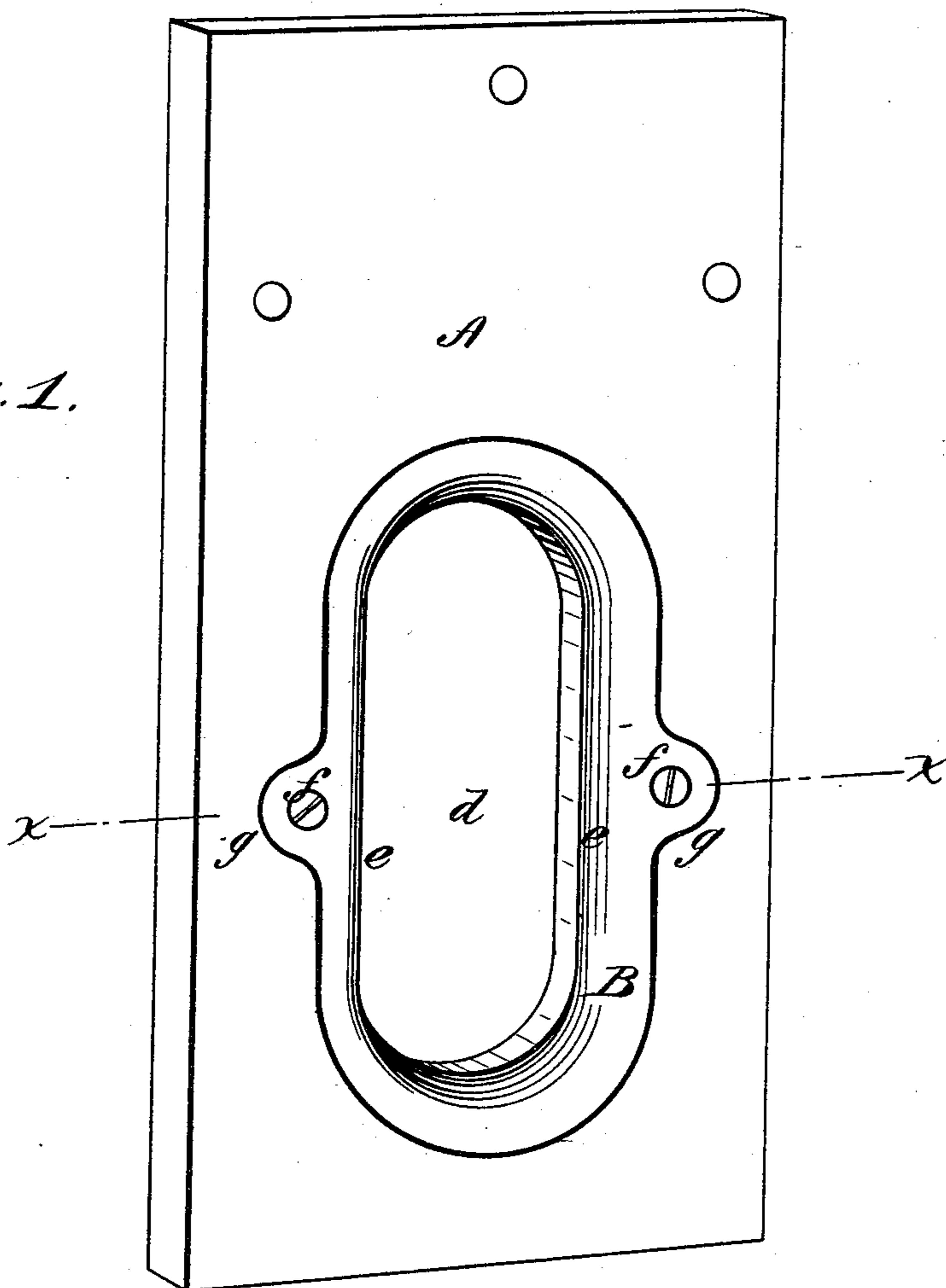
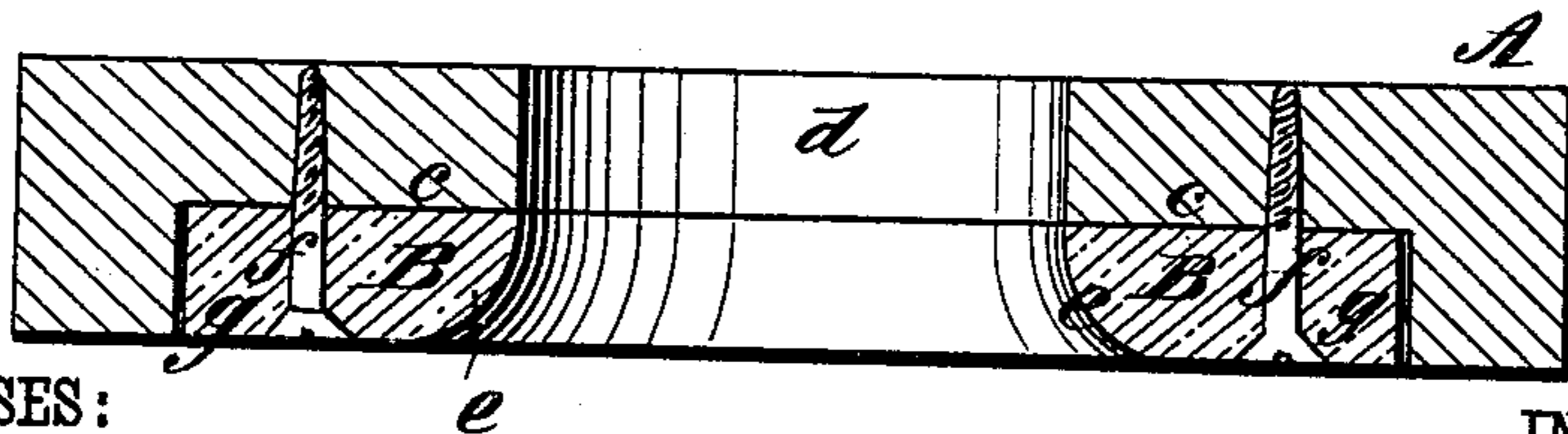


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

THOMAS KITSON, OF STROUDSBURG, PENNSYLVANIA.

CLOTH-GUIDE FOR FULLING-MILLS, &c.

SPECIFICATION forming part of Letters Patent No. 329,457, dated November 3, 1885.

Application filed January 27, 1885. Serial No. 154,102. (Model.)

To all whom it may concern:

Be it known that I, THOMAS KITSON, of Stroudsburg, in the county of Monroe and State of Pennsylvania, have invented a new and useful Improvement in Cloth-Guides for Fulling-Mills, &c., of which the following is a full, clear, and exact description.

My invention relates to the guides of rotary and other fulling-mills and cloth-washers through which the cloth to be fullered or washed is run; and it consists in a guide of novel construction, the same being made of glass, porcelain, or other vitreous material, whereby wear and friction are greatly reduced both on the cloth and guide, and said guide, which presents rounded surfaces exposed to contact with the cloth, being inserted within and secured to the usual perforated guiding face piece or block, whereby the guide is protected from injury, and may readily be detached and replaced by another when necessary, substantially as hereinafter described.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 represents an elevation in perspective of the cloth-guiding face-piece of a rotary fulling-mill with my improved glass or vitreous guide inserted therein and secured thereto. Fig. 2 is a horizontal section of the same on the line *x x* in Fig. 1.

A is the guiding face-piece, of wood or other different material to that of the guide, and B the cloth-guide. Said guide, which may be of the usual oblong shape in direction of its height, with upper and lower rounded ends, is made of glass, porcelain, or other vitreous material, and constitutes a hard and smooth tubular eye, which is inserted within a recess, *c*, in the face-piece A, surrounding or bordering the aperture *d* through said face-piece,

and so that the front sides, *e*, of said guide, which are of flaring and rounded construction, are in line with or cover at their backs the sides and front edges of the aperture *d*. The vitreous guide B, thus inserted within the perforated face-piece or holder A, may be secured therein by screws *f*, passing through lug-like projections *g g* on the sides of the guide and let into the face-piece. This construction and attachment of the guide B not only provides for its firm support in and by the face-piece, free from all objectionable protrusion therefrom, but also for its ready detachment when necessary, and being made of glass or other vitreous material wear and friction will be greatly reduced both on the cloth and the guide, and the cloth be secured a free or easy run through the guide.

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

1. A cloth-guide for fulling-mills and cloth-washers, composed of glass or other vitreous material, substantially as and for the purposes specified.

2. The oblong cloth-guide B, composed of glass or vitreous material and having its front and exposed side edges, *e*, of rounded and flaring construction, essentially as described.

3. In cloth-guides for fulling-mills and cloth-washers, the combination, with the perforated face-piece or guide-holder A, having a recess, *c*, in its front, outside of the aperture *d* through it, of the inserted and detachably-secured guide B, composed of vitreous material and having its front sides, *e*, of rounded and flaring construction, essentially as shown and described.

THOMAS KITSON.

Witnesses:

CHARLES BELL,
MARSHALL MERWIN.