

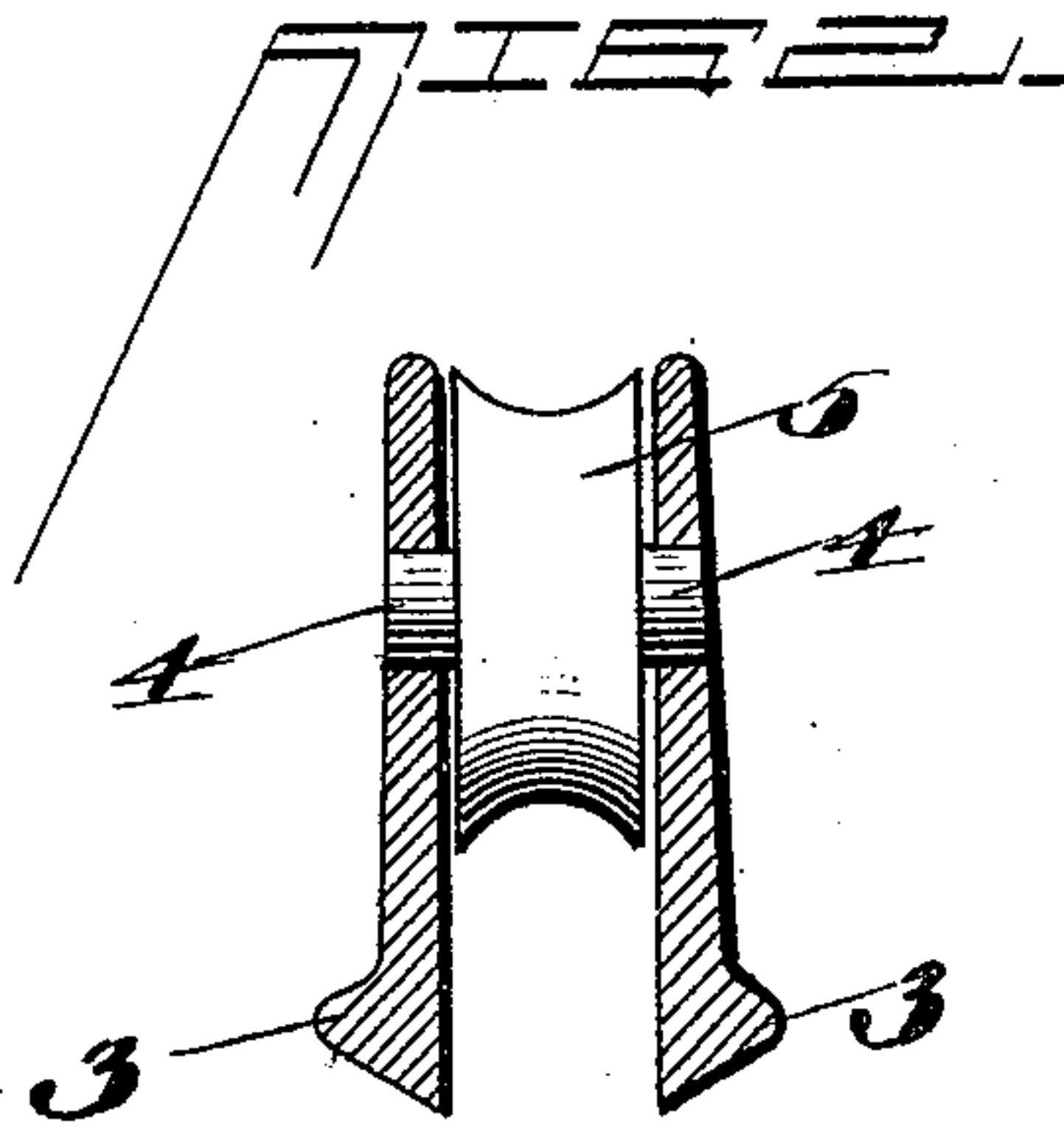
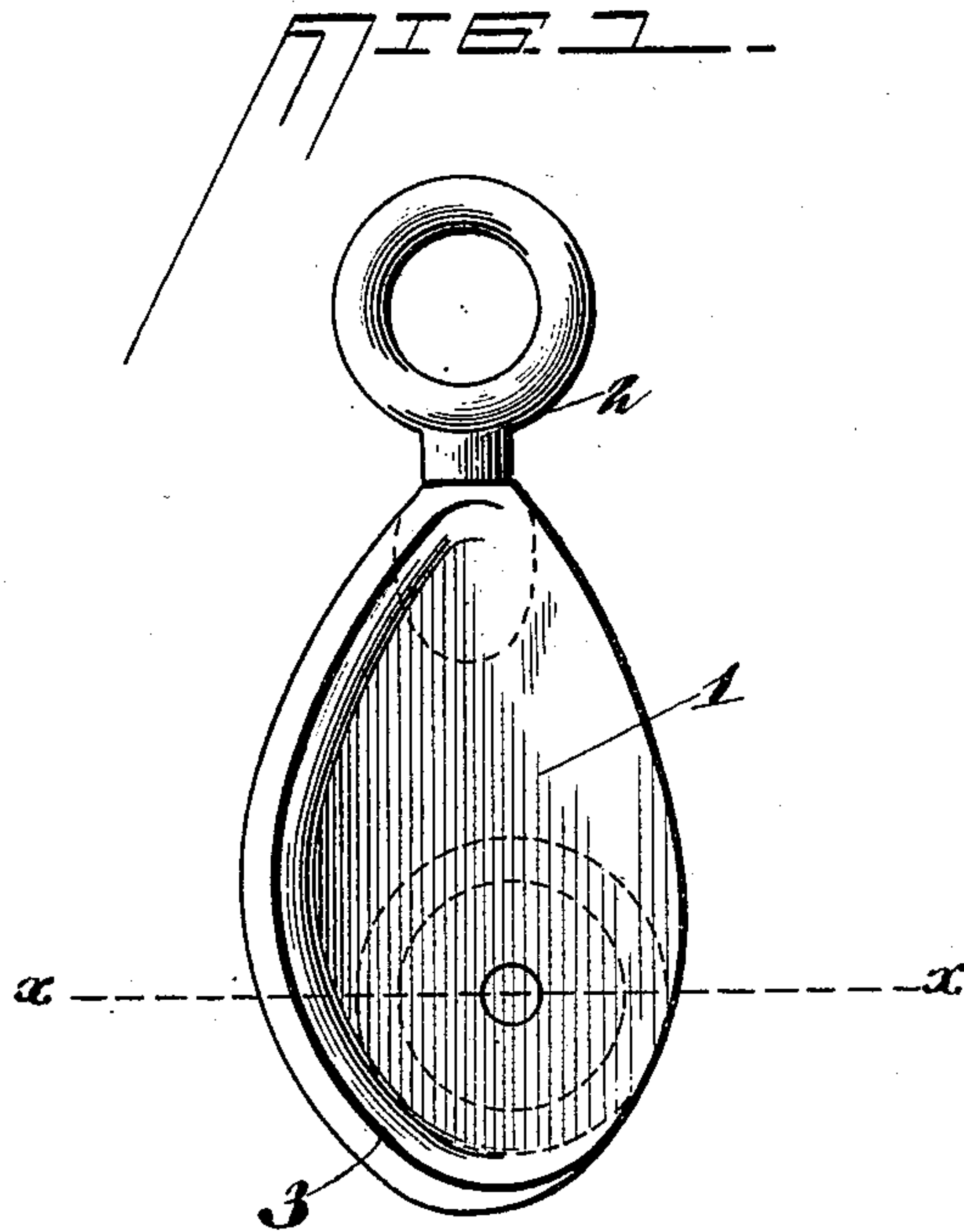
No. 641,488.

Patented Jan. 16, 1900.

H. E. BAKER.
PULLEY.

(Application filed June 25, 1897.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

HORACE E. BAKER, OF MALDEN, MASSACHUSETTS.

PULLEY.

SPECIFICATION forming part of Letters Patent No. 641,488, dated January 16, 1900.

Application filed June 25, 1897. Serial No. 642,265. (No model.)

To all whom it may concern:

Be it known that I, HORACE E. BAKER, of Malden, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Pulleys; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

10 This invention relates to pulley-blocks especially adapted for handling sails, awnings, and the like.

In the use of pulleys for handling flexible fabrics it frequently happens that the fabric is caught and becomes wedged into the block in the old form of pulley-block. Improvements have been devised and guards provided to prevent or overcome this difficulty; but in overcoming this difficulty another difficulty has been encountered to the effect that considerable friction is incident to the passage of halyards or ropes through the block within the guard.

25 The object of my invention is to provide a pulley-block and pulley which shall operate with the freedom of the old form of block and provide a guard to prevent the engagement of the fabric with the pulley and prevent its being wedged within the block.

30 To this end my invention consists in the combination of a block and a sheave or pulley, the block being wider than the pulley, the side plates of the block extending laterally beyond the periphery of the pulley at one side a greater distance than that between the side plates, the plates having flanges to provide a broad and smooth surface over which the fabric will readily ride without being engaged by the pulley.

40 In the drawings forming a part of this specification, Figure 1 is a side elevation of my

improved pulley-block. Fig. 2 is a section on the line *xx* of Fig. 1.

1 is a pulley-block which is provided with a swiveled eye or hook 2. The block is made so much wider than the pulley opposite the axis thereof that the rope or cord will be within the side plates, and the projecting sides or plates of the block are provided with flanges 3 3. The sheave is mounted in the block on a pin or pivot 4, the pivot being out of the central line or plane of the block, as shown.

In practice a pulley constructed in accordance with my invention affords the same free passage of rope or halyard that is common to the old-time block, and by reason of the extension of the side plates of the block and the flanges said flanges reject the fabric or cloth and furnish a guard equal to covered or throat-plate blocks. In other words, it is as easy to reeve with my block as it is with the old block, as there is no more friction. It is also as free from clogging as with the covered or throat-plate blocks.

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

The combination of a sheave or pulley and a block open on both sides of the pulley, the side plates forming the block extending beyond the pulley on one side a greater distance than that between the side plates, the inner faces of the extended portions of the side plates being parallel and said side plates having flanges, substantially as described.

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

HORACE E. BAKER.

Witnesses:

THOS. H. PERKINS,
JOHN POLLARD.