

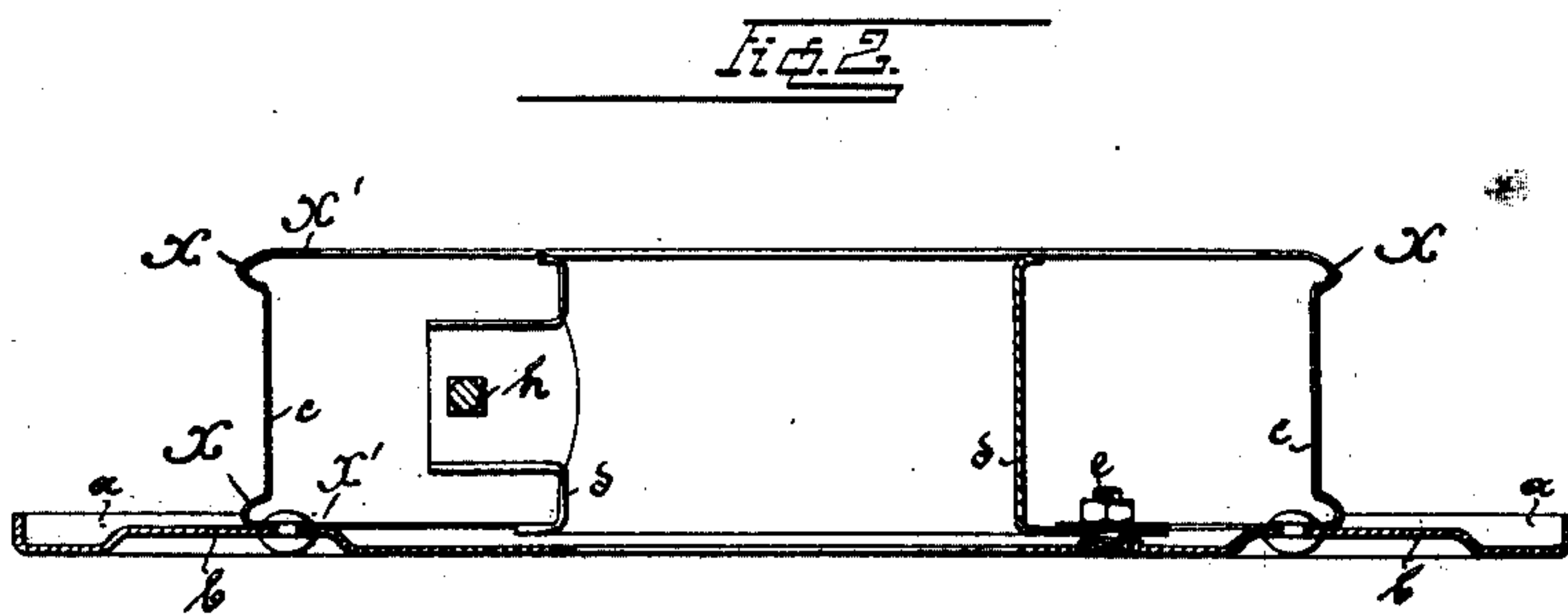
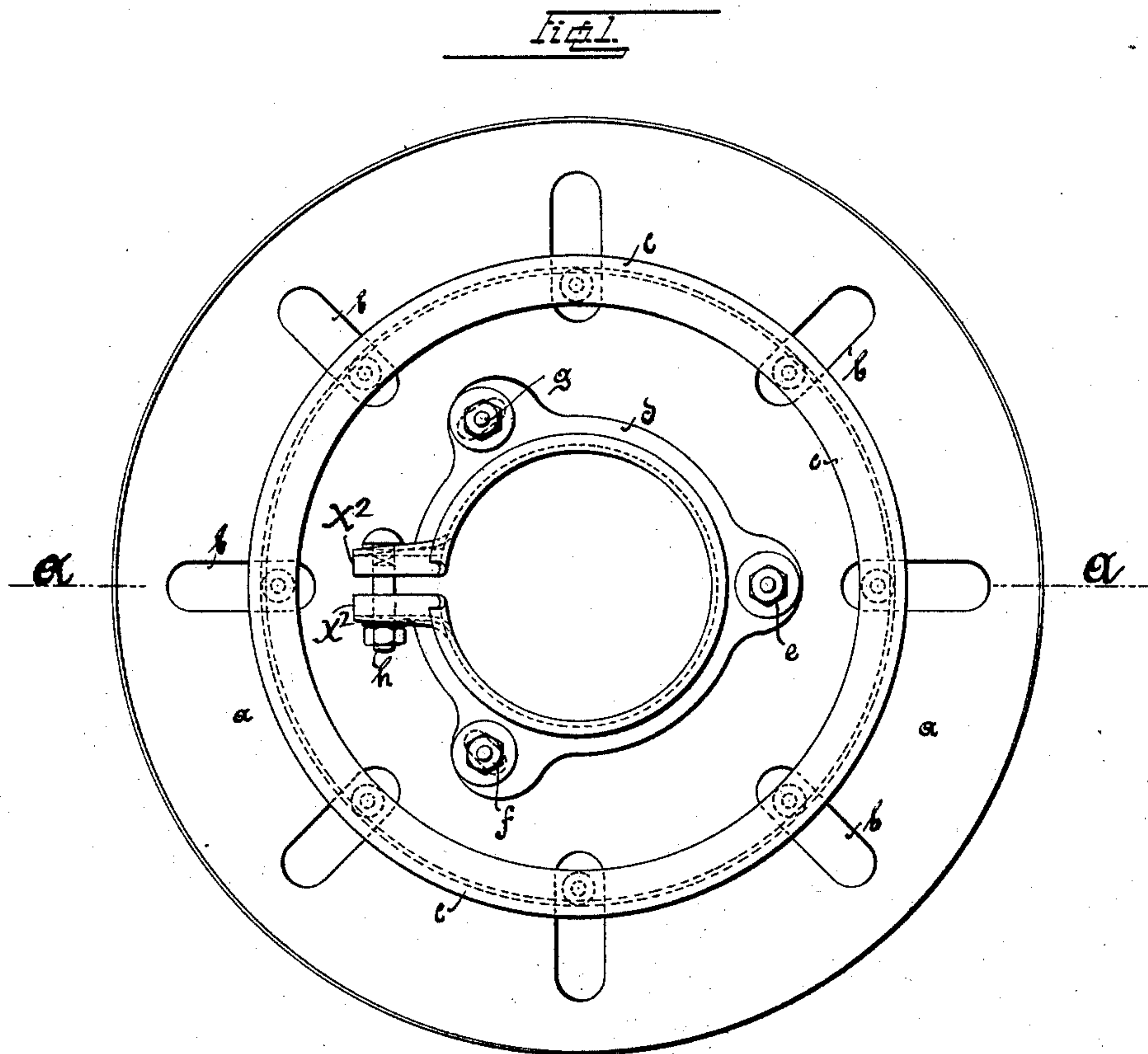
No. 714,836.

Patented Dec. 2, 1902.

A. TOURTELLIER.  
ATTACHMENT FOR WARP BEAMS.

(Application filed Nov. 23, 1899.)

(No Model.)



WITNESSES:  
*Ella L. Gies*  
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# UNITED STATES PATENT OFFICE.

ADOLPHE TOURTELLIER, OF MULHAUSEN, GERMANY.

## ATTACHMENT FOR WARP-BEAMS.

SPECIFICATION forming part of Letters Patent No. 714,836, dated December 2, 1902.

Application filed November 23, 1899. Serial No. 738,065. (No model.)

*To all whom it may concern:*

Be it known that I, ADOLPHE TOURTELLIER, manufacturer, a subject of the Emperor of Germany, residing at Lutterbach street, Mulhausen, Alsace, Empire of Germany, have invented a new and useful Improvement in Fittings or Attachments for Warp-Beams, of which the following is a specification.

The object of the invention is to provide a convenient substitute for the ordinary attachments of wood or cast-iron, which have the disadvantage of splitting, breaking, or bending.

Previous to this invention I have used a stamped steel plate or disk for warp-beams which was fixed in position by three set-screws inserted in the hub or sleeve of the plate and tightened upon the beam. These set-screws, however, injured the warp-beam in a comparatively short time by producing indentations in the latter, while, moreover, the weight of the disk was considerably increased, owing to the cast-iron brake which was fastened thereto.

I obviate the disadvantages hereinbefore mentioned and produce a very light fitting or attachment composed entirely of steel plate stamped or otherwise worked into the required form and comprising a brake-disk and a clamping-socket.

The invention will be readily understood by referring to the accompanying drawings, in which—

Figure 1 is a plan of the improved fitting or attachment; and Fig. 2 is a transverse section of the same, taken on the line A A of Fig. 1.

From the drawings it will be seen that the said mounting consists of three parts—viz., the disk or plate *a*, stamped from steel plate and formed with radially-arranged supporting-surfaces *b*, a brake-drum *c*, and a clamping-socket *d*, the two last-named parts being also stamped from steel plate. The brake-drum *c* is mounted upon the supporting-surfaces *b* of the disk *a* and secured thereto by riveting, while the clamping-socket *d* is fixed upon the central portion of the disk *a* by means of screws *e f g*. The screws *f* and *g* are inserted in slots in the clamping-socket,

so as to allow of the latter being tightened upon the warp-beam. Obviously during the tightening of the clamping-socket in position upon the beam by means of the screw-bolt *h* the screws *f* and *g* must be loosened; but they should be tightened again after the fixing of the socket.

In addition to obviating the disadvantages hereinbefore mentioned the following advantages are obtained by the use of my invention, viz: first, the rapid removal or attachment of the fitting or mounting; second, the prevention of damage to the beam by set-screws; third, a better and firmer grip upon the beam is obtained; fourth, reduced weight of the fitting or mounting, and, fifth, greater strength.

It will be seen from Fig. 2 that the shell *c* has a flange *x'* at each edge extending inwardly and that said flanges *x'* are connected with the body of the shell by means of beaded portions *x*. These beaded portions serve to stiffen the shell and act to guide the chain, and the flange construction enables the shell to be readily attached to the plate *a*. The collar *s* is also flanged at its edges. This gives the same a springy action. Further, this collar is provided with the projections *x<sup>2</sup>*, which are reinforced by flanges along the edges.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is—

In combination with a warp-beam plate, a socket-collar formed of one piece of sheet-steel provided with two side flanges adapted to give the collar a springy motion, means for securing the collar to the plate, by one of the said flanges which has slots therein, bolts passing through said slots for holding the collar, said collar having reinforced projections with a screw passing through the same for clamping the collar.

In witness whereof I have hereunto set my hand in presence of two witnesses.

ADOLPHE TOURTELLIER.

Witnesses:

BENJ. F. LIEFELD,

CHRISTIAN WALBRENNER.