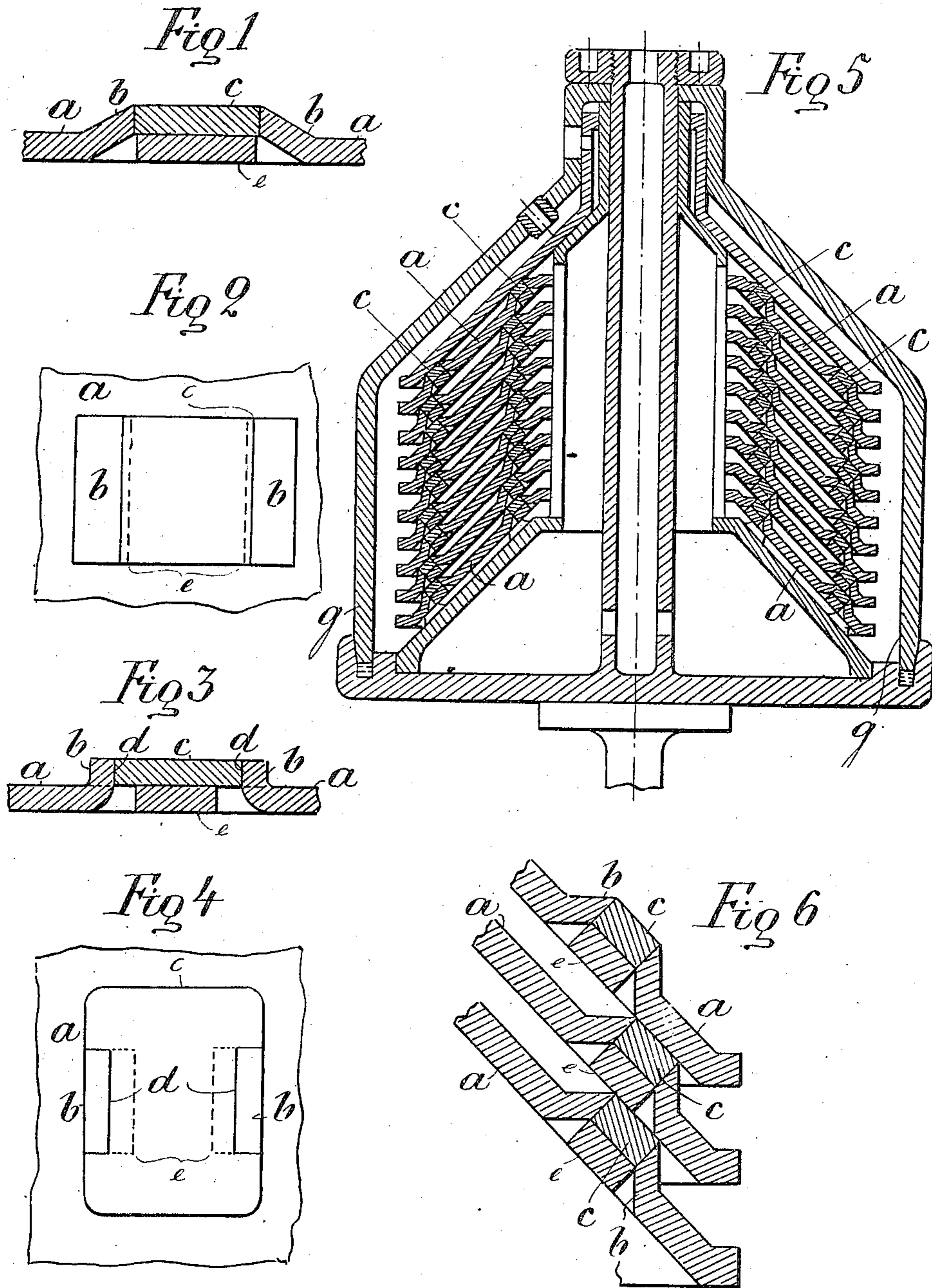


B. A. O. PROLLIUS.
 LINER FOR CENTRIFUGAL SEPARATORS.
 APPLICATION FILED FEB. 21, 1907.

922,038.

Patented May 18, 1909.



Witnesses
 J. M. Nynkoop,
 Ida J. Stanley.

Inventor
 Bernhard Adolf Otto Prollius,
 by Knight & Co. attys

UNITED STATES PATENT OFFICE

BERNHARD ADOLF OTTO PROLLIUS, OF COPENHAGEN, DENMARK.

LINER FOR CENTRIFUGAL SEPARATORS.

No. 922,038.

Specification of Letters Patent.

Patented May 13, 1909.

Application filed February 21, 1907. Serial No. 358,584.

To all whom it may concern:

Be it known that I, BERNHARD ADOLF OTTO PROLLIUS, engineer, subject of Sweden, residing at No. 50 Torvegade, in the city of Copenhagen and Kingdom of Denmark, have invented certain new and useful Improvements in Liner-Plates for Centrifugal Separators, of which the following is a specification.

This invention relates to liner plates with distance pieces for centrifugal machines. The distance pieces are arranged entirely either on the inner or outer face of the liner plates and serve, as is well known, to keep the liner plates at a proper distance from each other.

The liner plate according to the present invention has lugs stamped out from it which lugs are bent out and pressed fast against the edges of the distance piece which is situated entirely on the inner or on the outer surface of the liner plate. In this way, the distance piece which subsequently is soldered to the liner plate and galvanized together with it, is held fast.

Two embodiments of the invention are shown in the accompanying drawing, in which—

Figures 1 and 2 are a sectional view and a plan of one form of the invention, and Figs. 3 and 4 are similar views of another form of the invention. Fig. 5 is a vertical section through a centrifugal drum provided with liner plates constructed as shown in Figs. 1 and 2 and Fig. 6 is a vertical section on an enlarged scale of parts of three of the liner plates of Fig. 5.

In each embodiment the liner plate *a* is

stamped out to form two lugs *b, b* which are bent out from the inner or outer surface of the plate and then pressed against the edges of the distance piece arranged between the lugs and resting upon that part *e* of the liner plate *a* which is situated between the stamped out lugs *b, b*. The distance piece consists of a small strip *c* which may be either of a solid rectangular cross-section (Figs. 1 and 2) or it may be provided at the sides with recesses *d, d* (Figs. 3 and 4) into which the lugs are forced so that it cannot shift. The distance part always lies either entirely on the inner or entirely on the outer surface of the liner plate.

The number of the stamped out lugs *b* may vary, but must be at least two. The distance piece may be of any desired shape.

Having thus described my invention, what I claim and desire to secure by Letters Patent is:

1. A liner plate for centrifugal machines, having a number of lugs stamped out from the plate and bent out from its surface, and a distance piece having its opposite sides engaged by said lugs.

2. A liner plate for centrifugal machines, having a number of lugs stamped out from the plate and bent out from its surface, and a distance piece having recesses formed in opposite sides thereof; the lugs of the plate fitting in the recesses of the distance piece.

In testimony whereof I affix my signature in presence of two witnesses.

BERNHARD ADOLF OTTO PROLLIUS.

Witnesses:

MARCUS MÖLLER,
SIGURD RÓTHJE.