

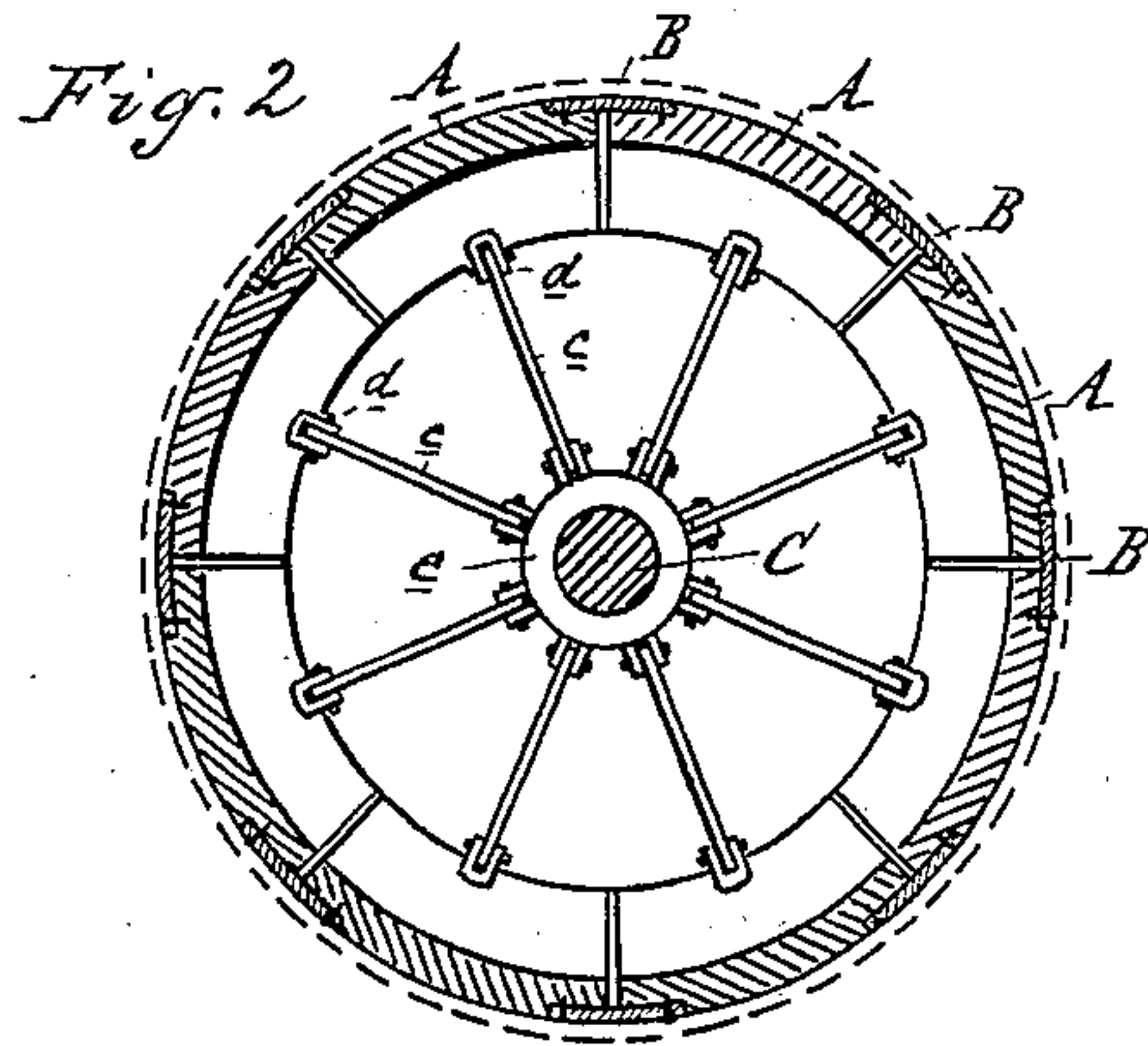
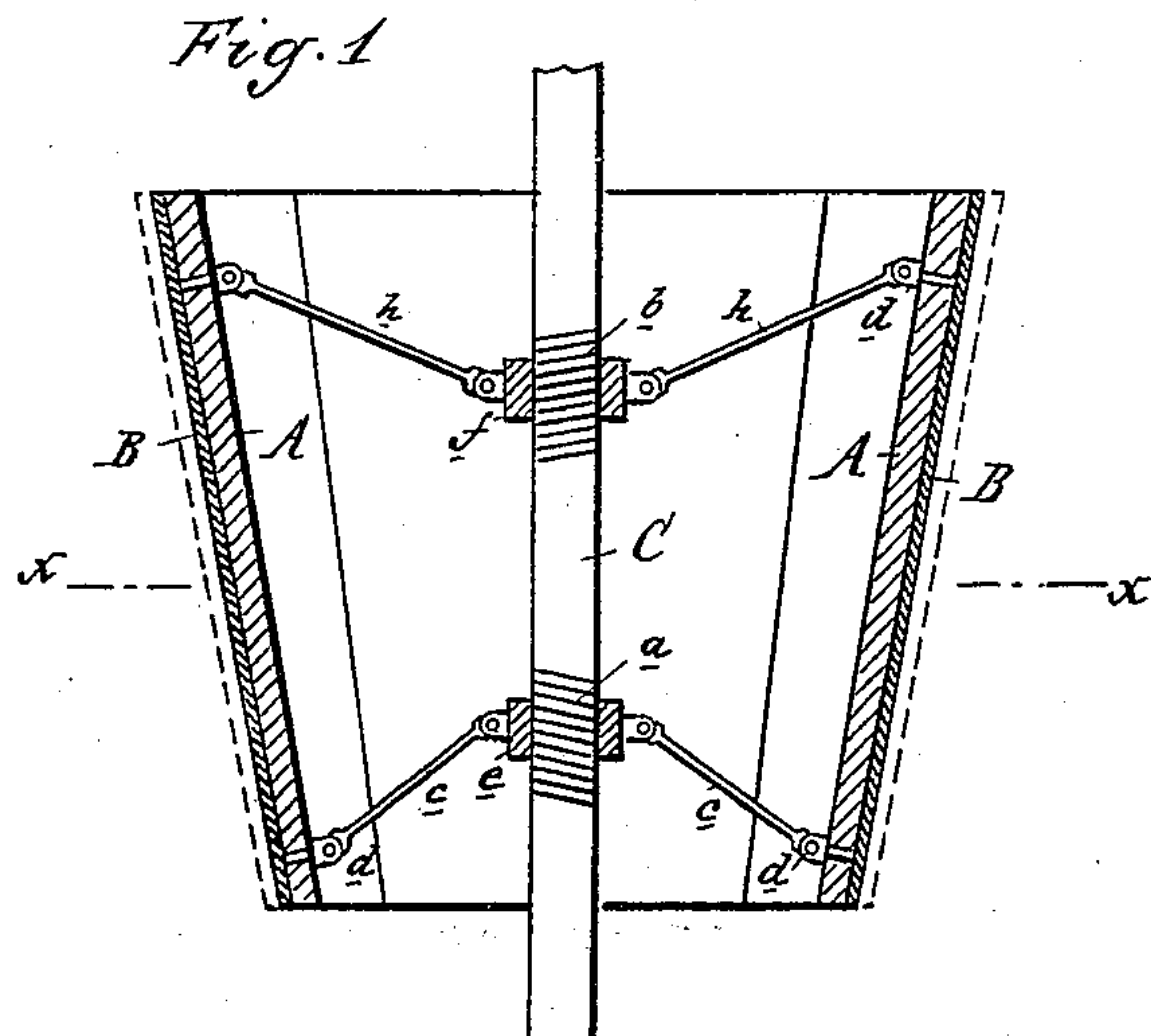
(No Model.)

D. C. JONES.

FORM FOR MAKING PAPER PULP PAILS.

No. 258,654.

Patented May 30, 1882.



*Attest:*  
*A. Barthel*  
*Chas. J. Hunt*

*Inventor:*  
*David C. Jones*  
*per W. B. Sprague*  
*Atty*

# UNITED STATES PATENT OFFICE.

DAVID C. JONES, OF DETROIT, MICHIGAN.

## FORM FOR MAKING PAPER-PULP PAILS.

SPECIFICATION forming part of Letters Patent No. 258,654, dated May 30, 1882.

Application filed December 28, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, DAVID C. JONES, of Detroit, in the county of Wayne and State of Michigan, have invented new and useful Improvements in Forms for Making Paper-Pulp Pails; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form a part of this specification.

The nature of this invention relates to certain new and useful improvements in the construction of forms upon which to mold or otherwise form the walls of paper-pulp pails or other vessels of pyramidal shape; and the invention consists in so constructing such form that the same may be expanded or contracted within defined limits, as more fully hereinafter described.

Figure 1 is a vertical central section form, as improved. Fig. 2 is a cross-section on the line *x x* in Fig. 1.

In the accompanying drawings, which form a part of this specification, A represents a series of staves, broader at top than at bottom, and "set up" in the usual way. The adjoining edges of these staves are rabbeted out on the outer surface, and a strip or piece of rubber, B, or other suitable material, is fitted into these rabbeted portions to cover the joints between the staves, and each edge of said strip B is secured one edge to one of the staves and the other edge to the adjoining stave, the rabbets in which should be of just sufficient depth that the strip will fit in and be flush with the outer sides of the staves. A shaft, C, runs through the center of this form, and is provided with a right-hand thread, *a*, and a left-hand thread, *b*. Each of the staves is connected from its interior wall and near its lower end, by means of a rod, *c*, the outer end of which is secured to said stave by a flexible joint, *d*, to the nut *e* by a similar joint, which

engages with the thread *a*, and near its upper end, by means of a rod, *h*, similarly secured at its outer end, to the nut *f*, which engages with the thread *b*, so that when the shaft is turned one way the staves are forced outward to the limit, if desired, of the flexibility of the strip; or, if turned the other way, the staves will be retracted until their adjoining edges meet.

I do not desire to confine myself to the precise method shown for expanding and contracting the form, as it may be accomplished in various ways without departing from the spirit of my invention.

This construction will be found very valuable in allowing the same form to be used for different sizes, and for withdrawing the form from the formed pulp-body.

What I claim as my invention is—

1. A form for shaping paper-pulp pails, consisting of expansible and contractible staves permanently secured at their adjoining edges to elastic connecting-pieces, substantially as and for the purpose specified.

2. A form for the purposes specified, consisting of the rabbeted staves, elastic connecting-pieces, and means for expanding and contracting the staves from a fixed center, substantially as and for the purposes set forth.

3. In combination with the staves A, secured at their adjoining edges to elastic connecting-strips B, the screw-threaded shaft C, the nuts *e f*, and the rods *c*, substantially as and for the purpose specified.

4. In combination with the staves A, the elastic strips B for the purpose of connecting said staves and permitting them to be expanded without exposing openings between them, substantially as set forth.

DAVID C. JONES.

Witnesses:

CHAS. J. HUNT,  
E. SCULLY.