

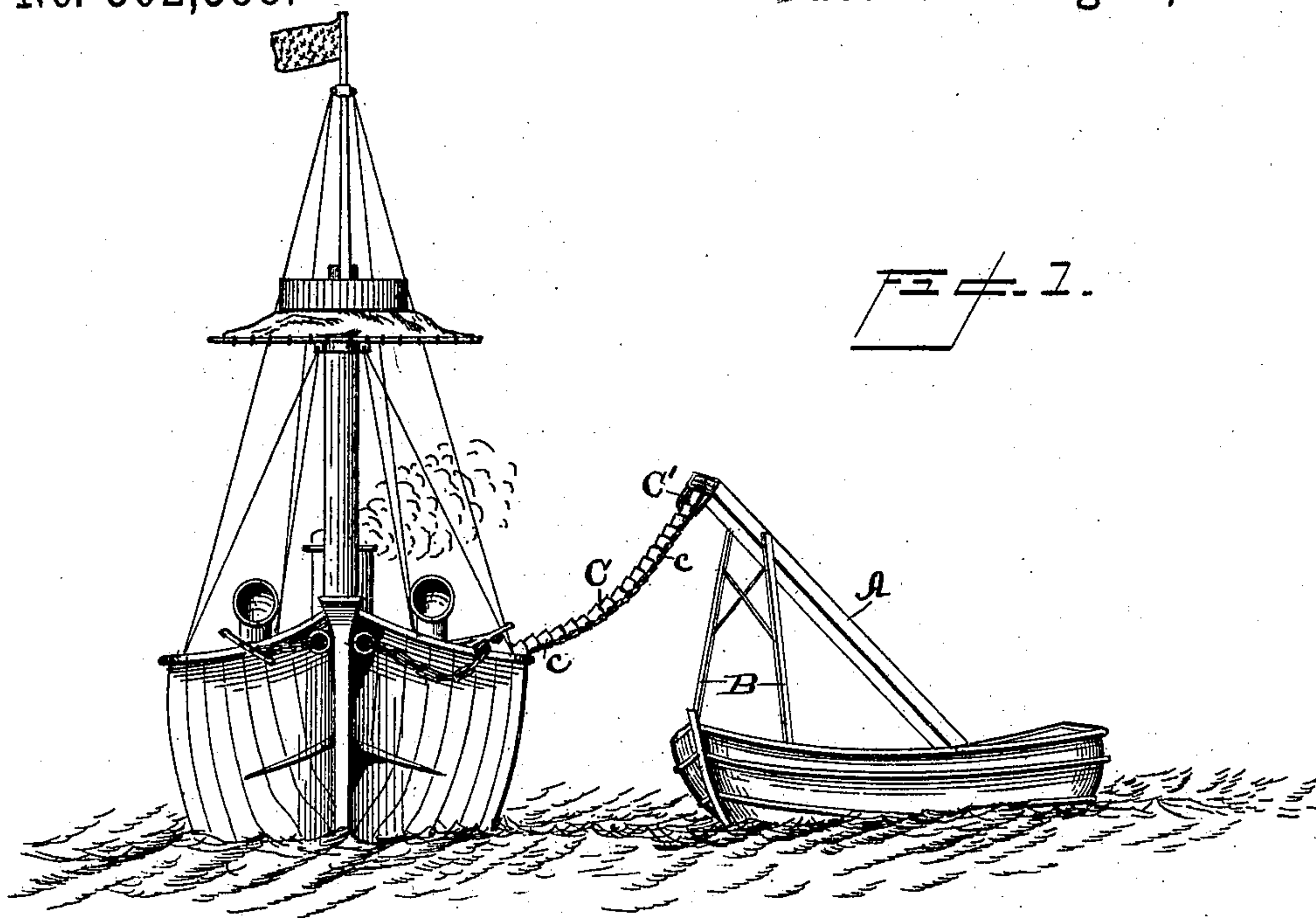
(No Model.)

2 Sheets—Sheet 1.

C. S. SCHENCK.  
CONVEYER.

No. 502,588.

Patented Aug. 1, 1893.



WITNESSES

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C. Johnson.

INVENTOR

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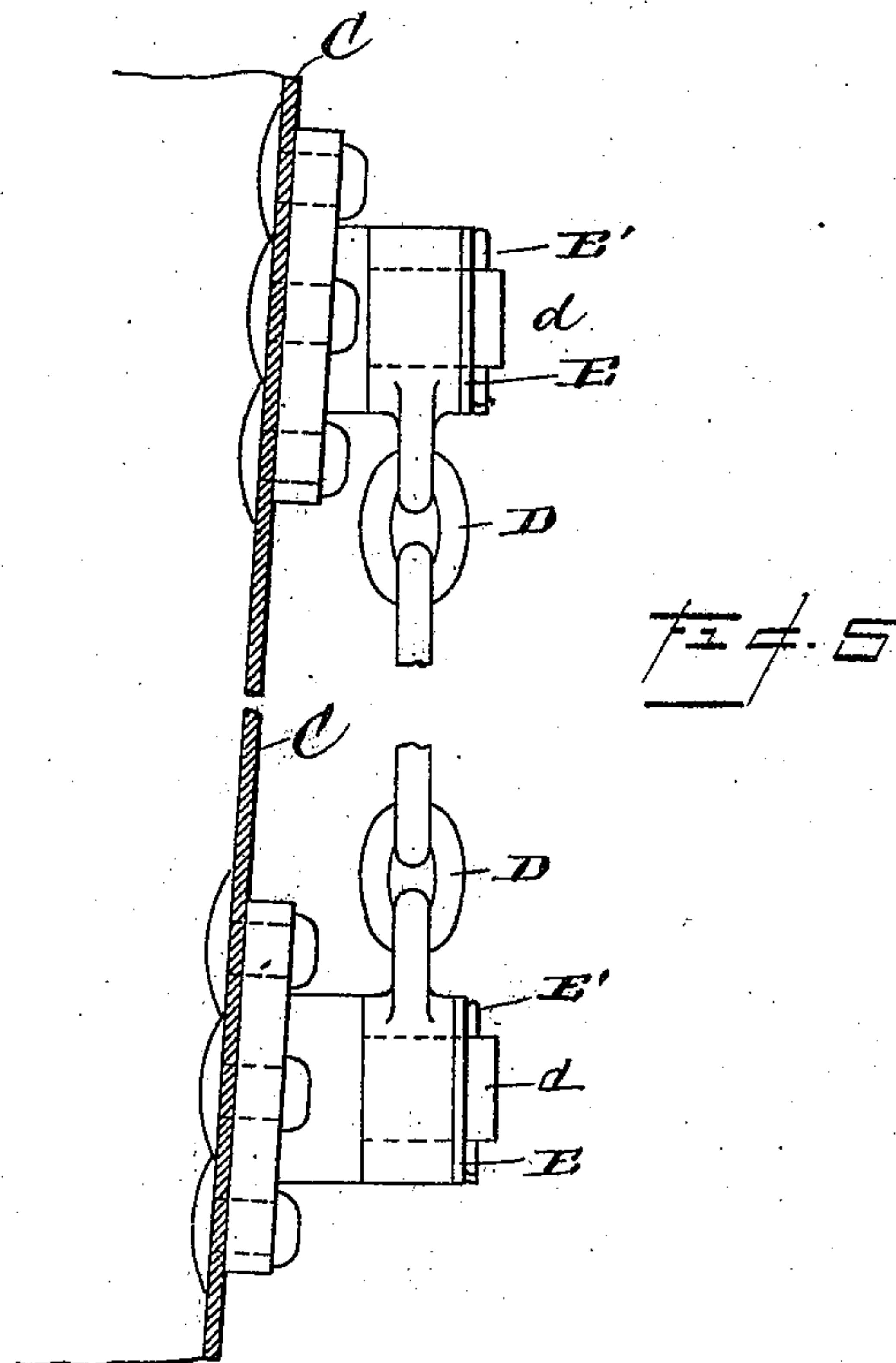
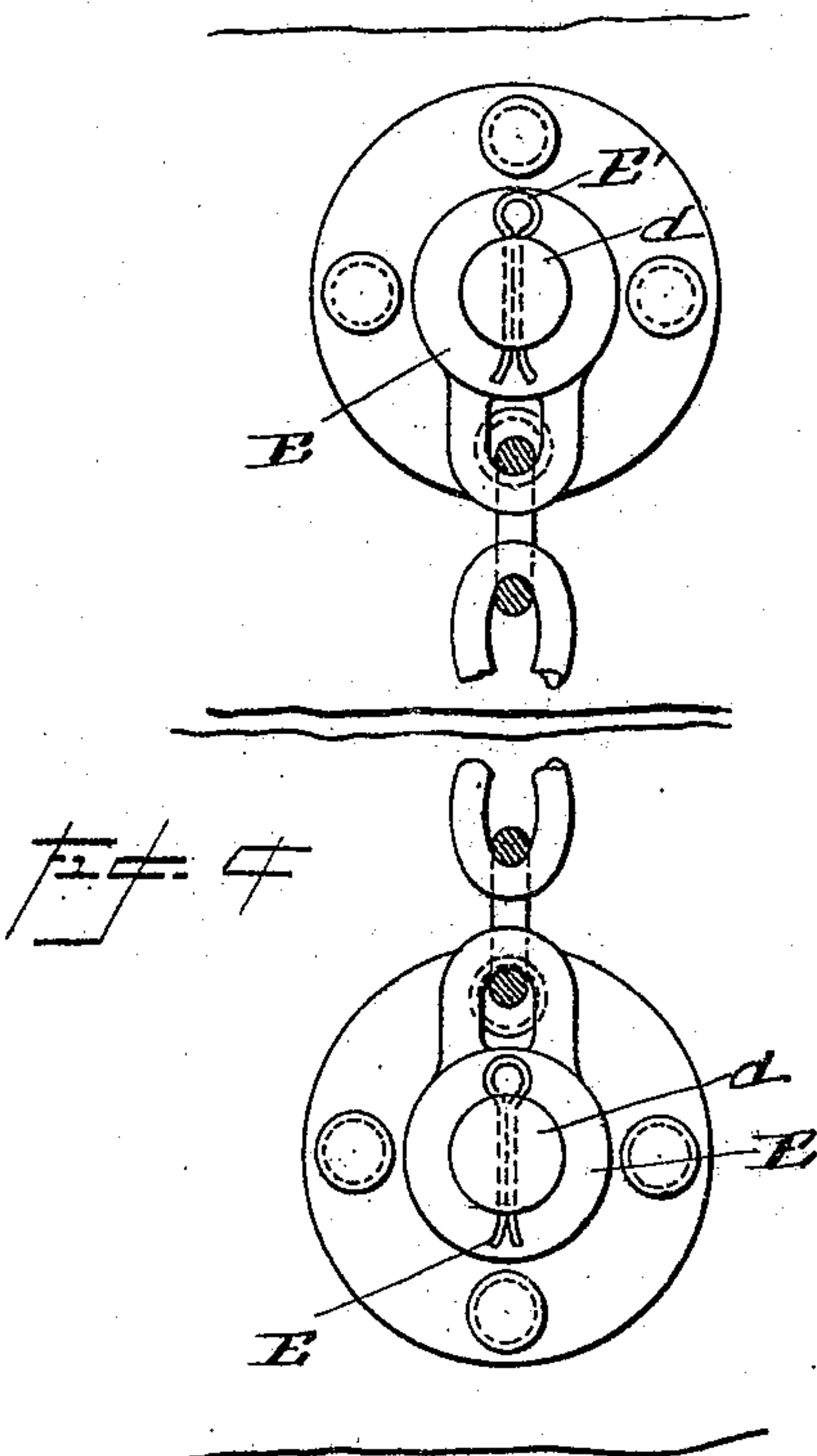
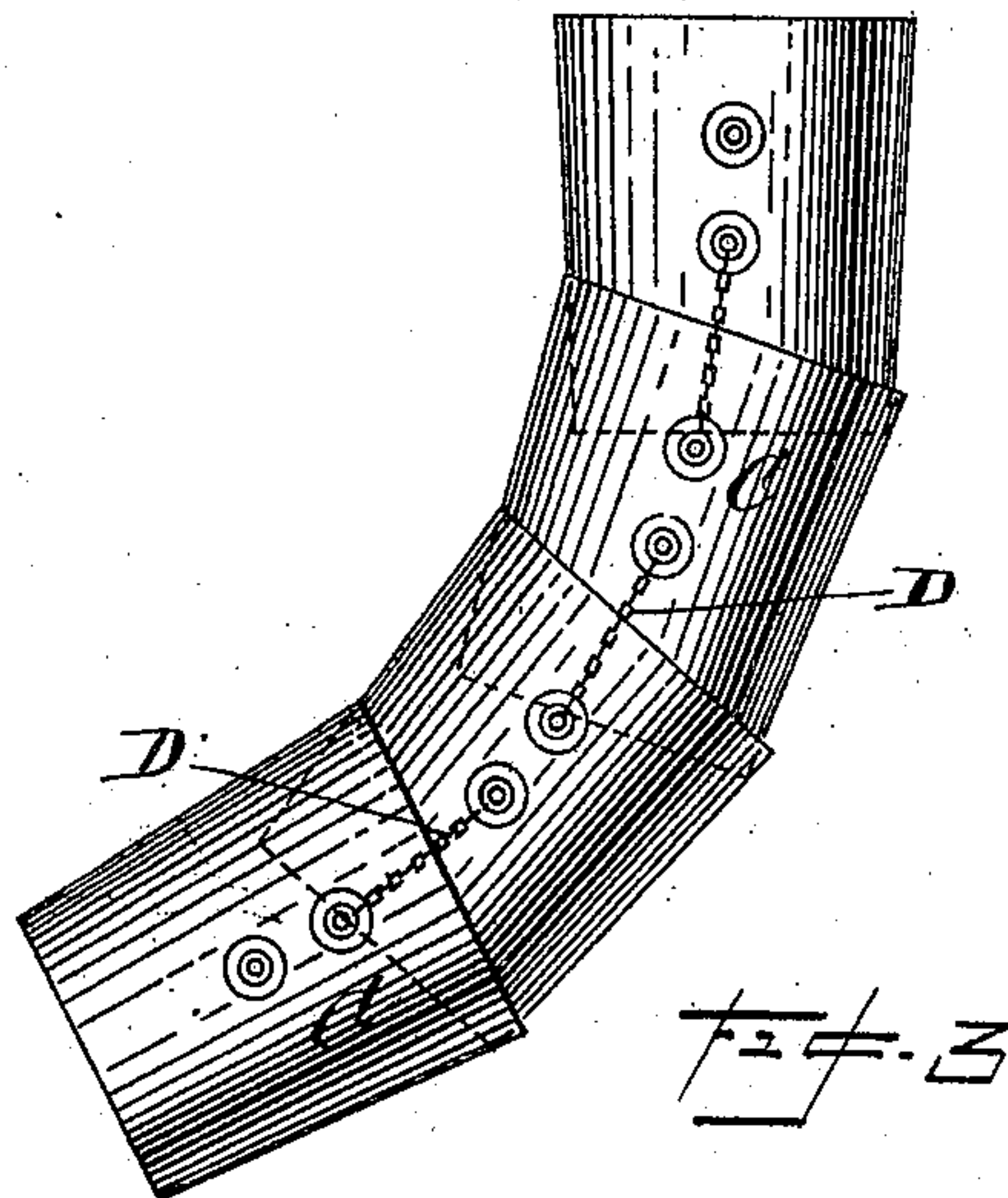
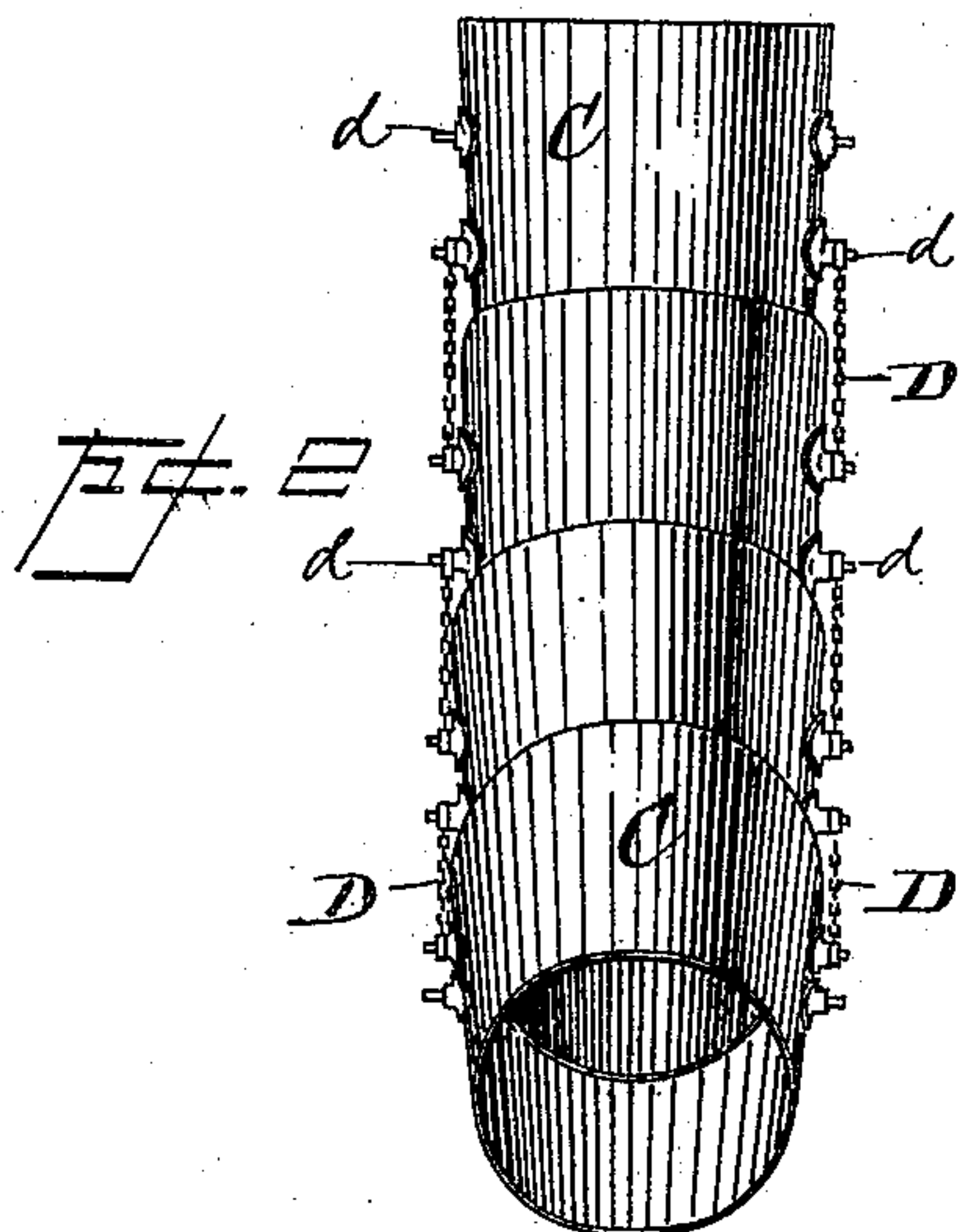
(No Model.)

2 Sheets—Sheet 2.

C. S. SCHENCK.  
CONVEYER.

No. 502,588.

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WITNESSES:

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INVENTOR

Charles Schenck



# UNITED STATES PATENT OFFICE.

CHARLES STEWART SCHENCK, OF NEW YORK, N. Y.

## CONVEYER.

SPECIFICATION forming part of Letters Patent No. 502,588, dated August 1, 1893.

Application filed October 18, 1892. Serial No. 449,215. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES STEWART SCHENCK, a citizen of the United States, residing at New York city, in the county of New York and State of New York, have invented certain new and useful Improvements in Flexible Spouts for Discharging Coal, Grain, and other Substances; 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.

This invention relates to flexible spouts for discharging coal, grain and other substances in any direction and at any point where needed.

The object of this invention is to secure such flexibility combined with the strength and durability of an inflexible metallic spout. To this end I make use of the construction and combination of parts hereinafter particularly set forth and claimed.

In the accompanying drawings, Figure 1 represents a perspective view of a spout embodying my invention and the proximate devices in the act of transferring coal from a barge to a steamship, these vessels being partly indicated in outline. Fig. 2 represents a front elevation of the same spout. Fig. 3 represents a side elevation of the same. Figs. 4 and 5 represent the attaching devices thereof in elevation, these views being taken at right angles to each other and enlarged.

A designates the rigid elevator chute through which the spout is supplied with the material undergoing transfer, by means of elevating devices not shown, they being hidden by the wall of the said chute and having nothing to do with this invention.

B designates the derrick or supporting frame of the said elevator chute and spout.

C designates the flexible spout which is secured at its large upper end to a guide casting C' which is attached to the upper end of the said chute and tapers downward. It is composed of a series of bottomless buckets or bucket-shaped casings *c* fitting one within another so as to be capable of bending in any direction and connected by short chains D passing only from bucket to bucket successively and connected thereto by studs *d*. A spout thus constructed is very strong the buckets being of sheet iron or other durable material; yet it may be turned from side to side and directed to the precise spot where the discharge is required, with the utmost facility.

As illustrated in Figs. 4 and 5 the studs *d* have rings E fitted on them each of which is made in one piece with one link of its chain D. A spring pin E' passed through the said stud outside of the said ring holds the latter in place.

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

A flexible spout consisting of a series of overlapping bucket shaped parts or casings C studs *d* on each of said parts, short chains D, running from stud to stud and having rings E for encircling the latter and fastening devices for holding said rings in place substantially as set forth.

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

CHARLES STEWART SCHENCK.

Witnesses:

MAMIE BISSETTE,  
WALTER BERGH.