

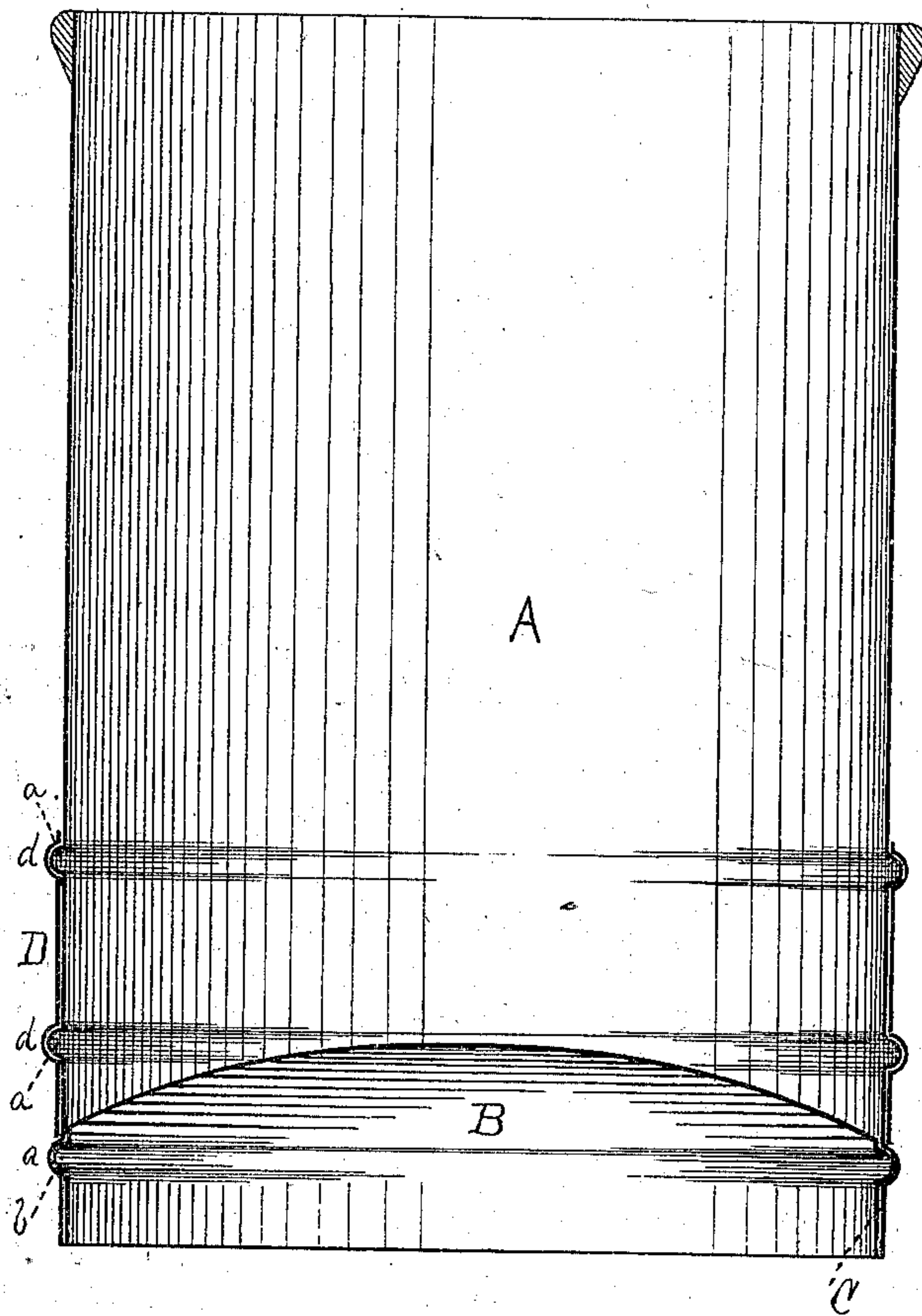
H. W. SHEPARD.

Cotton or Woolen Cans.

No. 135,853.

Patented Feb. 11, 1873.

Fig. 1.



Witnesses:

Edwin James.

H. V. Gordon.

Inventor:

Henry W. Shepard.
per J. P. Holmead
Attorney.

UNITED STATES PATENT OFFICE.

HENRY W. SHEPARD, OF NEW YORK, N. Y.

IMPROVEMENT IN COTTON OR WOOLEN CANS.

Specification forming part of Letters Patent No. 135,853, dated February 11, 1873.

To all whom it may concern:

Be it known that I, HENRY W. SHEPARD, of the city, county, and State of New York, have invented certain new and useful Improvements in Cotton or Woollen Cans, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing and the letters of reference marked thereon making part of this specification, in which is represented a vertical sectional view of my improved can.

The object of my invention is to furnish to the trade as a new article of manufacture a cotton-can or a metallic can for cotton and woollen factories, and which shall be strong and durable, and exceedingly cheap and simple to manufacture. The nature of my invention consists in securing the cylinder of a can over and around a bottom and inner base hoop formed out of a single piece of metal by bead or groove attachment, and in strengthening the cylinder by attaching to the surface of the same and immediately above the bead that secures the inner hoop an outer hoop or band, and which is also fastened through a bead or groove attachment. Thus I provide a strong and durable can, and one in the manufacture of which the expense and labor of soldering are avoided.

The construction and operation of my invention are as follows: A is the cylinder, and is constructed out of any suitable metal, and connected by a single-lap joint. B is the bottom, and C the inner or base hoop, and these are stamped or otherwise manufactured out of a single piece of metal. The bottom B may be convex, as shown in the drawing, flat, or of any other desired form. This bottom B and its turned-down hoop or flange C are secured within the cylinder without solder or rivets, but simply through the bead or groove attachments

a b. D is an independent outer hoop or band, and is secured around the cylinder, the lower section of its face being immediately above the bead *a* of the cylinder that secures the bottom and inner hoop. This hoop or band D is also secured and permanently attached to the cylinder without being soldered or riveted, but simply through the beads or grooves *a d.*

In moving these cans about the factory they are usually pushed along by the foot of the operative, and consequently at their lower sections require to be exceedingly strong; and this outer hoop D is designed and used simply to strengthen the can at this section.

Cans constructed as herein described save from fifty to sixty cents in solder and labor to the manufacturer, and besides, where neatness in appearance is not an absolute prerequisite, tin need not be used, as this style of making the can permits black iron to be employed and worked with equal facility, and which in material alone will save from fifty cents to one dollar per can.

What I claim as new, and desire to secure by Letters Patent of the United States, is—

As a new article of manufacture, a metallic can for cotton or woollen factories, consisting of the cylinder A, bottom B, and its inner turned-down hoop C formed out of a single piece of metal, and the outer band or hoop D, the several parts being attached together through bead or groove connections and without solder or rivets, substantially as described.

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

H. W. SHEPARD.

Witnesses:

GEO. B. PATTERSON,
WM. APGAR.