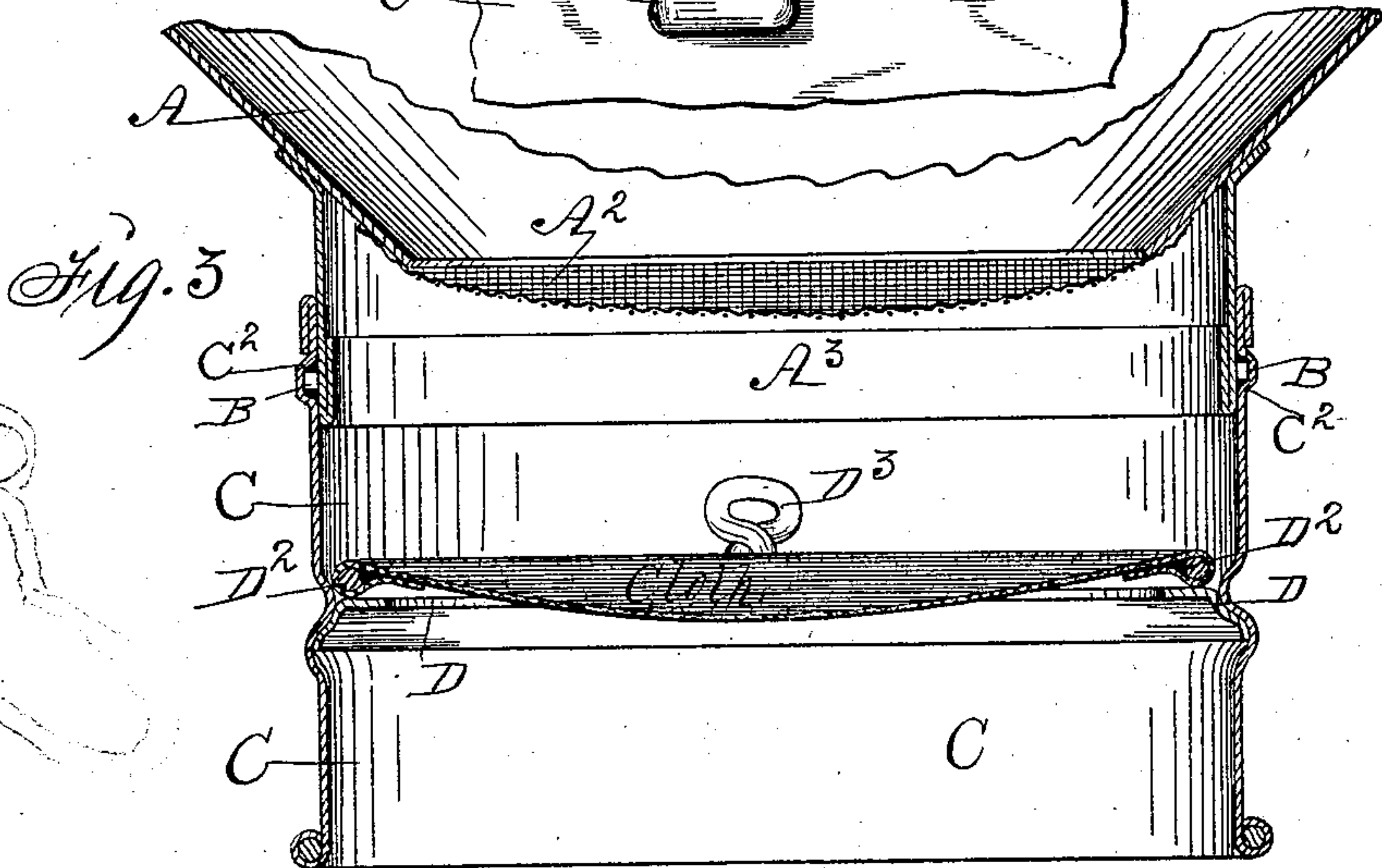
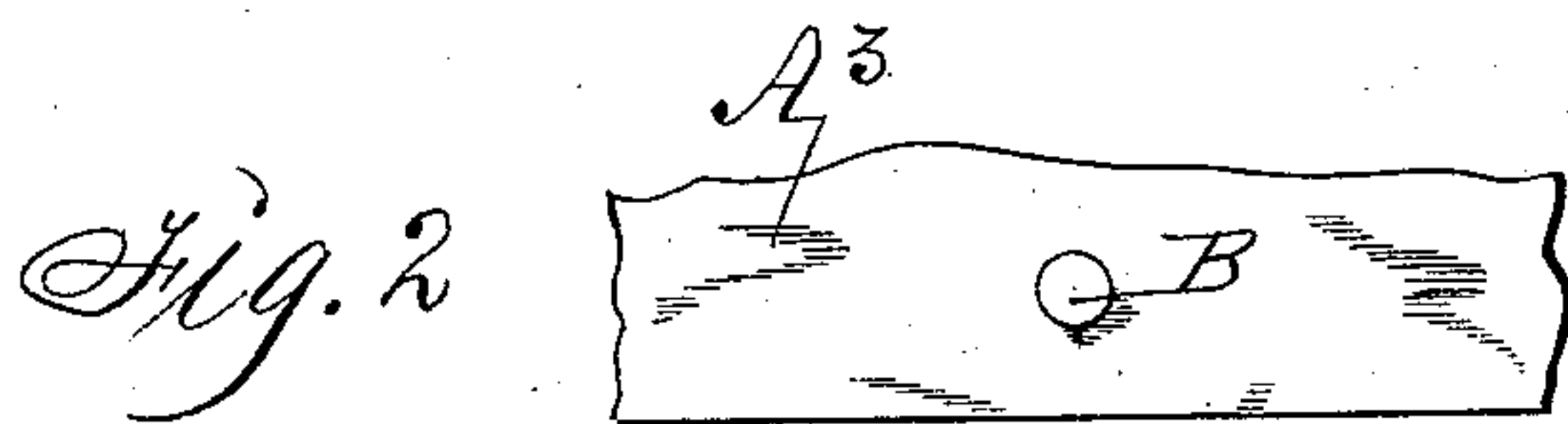
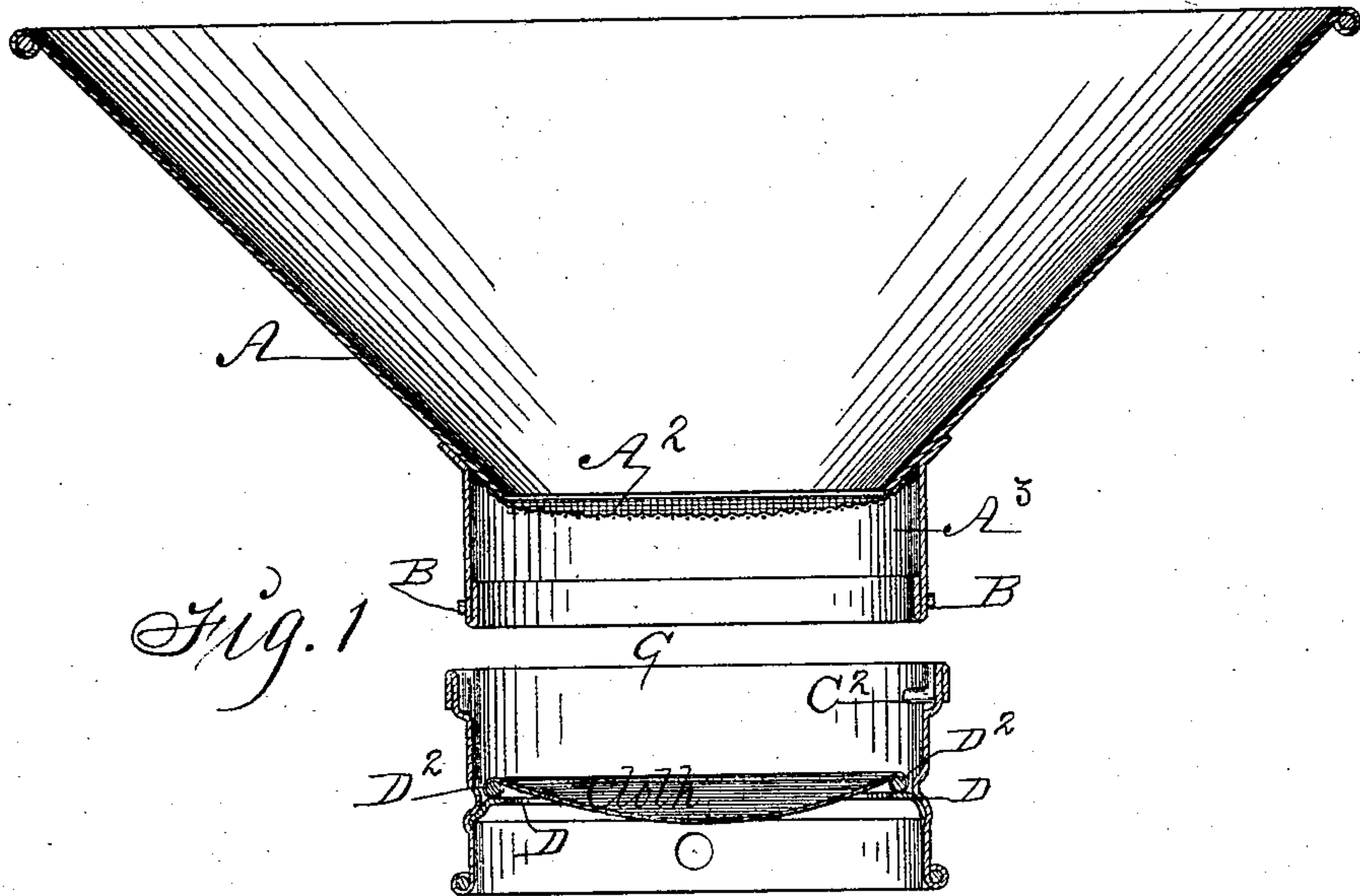


(No Model.)

W. L. FLEMING.
MILK STRAINER.

No. 477,796.

Patented June 28, 1892.



Witnesses: *W. B. Smith.* } Inventor: *William L. Fleming,*
R. H. Orwig } *By Thomas G. Orwig, Attorney.*

UNITED STATES PATENT OFFICE.

WILLOM L. FLEMING, OF HUMBOLDT, IOWA.

MILK-STRAINER.

SPECIFICATION forming part of Letters Patent No. 477,796, dated June 28, 1892.

Application filed January 18, 1892. Serial No. 418,513. (No model.)

To all whom it may concern:

Be it known that I, WILLOM L. FLEMING, a citizen of the United States of America, residing at Humboldt, in the county of Humboldt and State of Iowa, have invented a new and useful Duplex Milk-Strainer, of which the following is a specification.

My object is to provide an improved duplex milk-strainer in which the parts are all readily accessible, so that they may be conveniently and thoroughly cleaned.

My invention consists in the construction and combination of the various parts of the device, in the construction of the bayonet-joint which connects the two parts, and in certain other features, as hereinafter set forth, pointed out in my claims, and illustrated in the accompanying drawings, in which—

Figure 1 is a vertical sectional view of the complete device with the auxiliary strainer slightly detached from the other part. Fig. 2 is an enlarged detail view of the coacting parts which produce a bayonet-joint between the main strainer and the frame of the detachable one. Fig. 3 is an enlarged vertical sectional view of the bottom portion of the main strainer with the detachable portion connected therewith, as required in practical use.

The reference-letter A is used throughout the drawings to designate a funnel-shaped device having its lower end covered by means of a wire strainer A², permanently fixed thereto.

C represents a sheet-metal cylinder adapted to overlap the flange A³ and be connected therewith by means of a bayonet-joint produced by forming the grooves C² in the top edge of the said cylinder, which groove extends downward and then at right angles, adapted to admit the lugs B in such manner that the lugs B when placed in the said

grooves C² and turned at right angles will produce a firm connection between the two parts.

B represents an annular shoulder fixed to the inner central portion of the cylinder C.

D² is a wire ring adapted to be admitted in the cylinder C from the top and rest on the shoulder D. A straining-cloth may be readily attached to the ring, thereby providing a convenient strainer which can be easily detached. An integral loop D³ is formed in the ring to facilitate handling.

It will be obvious that the bayonet-joint shown and described may be more quickly and cheaply formed than if a slot were used in lieu of a groove.

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

A duplex milk-strainer comprising a funnel-shaped device having a wire-strainer permanently fixed to its bottom, a cylindrical rim extending downward from the bottom, lugs fixed to the outer sides of the said rim, an auxiliary sheet-metal cylinder having an annular shoulder formed on its inner central portion and grooves formed by bending the metal outward at the top of the cylinder, which grooves extend downward and then at right angles thereto and are adapted to admit the said lugs, a wire ring adapted to enter the said cylinder and rest upon the said shoulder and having a loop formed integral therewith adapted to serve as a handle, and a cloth-strainer connected with the said ring, substantially as shown and described.

WILLOM L. FLEMING.

Witnesses:

G. S. GARFIELD,
J. W. TONER.