

(Model.)

P. FORSHAY.
COTTON CONDENSER.

No. 246,740.

Patented Sept. 6, 1881.

Fig. 3.

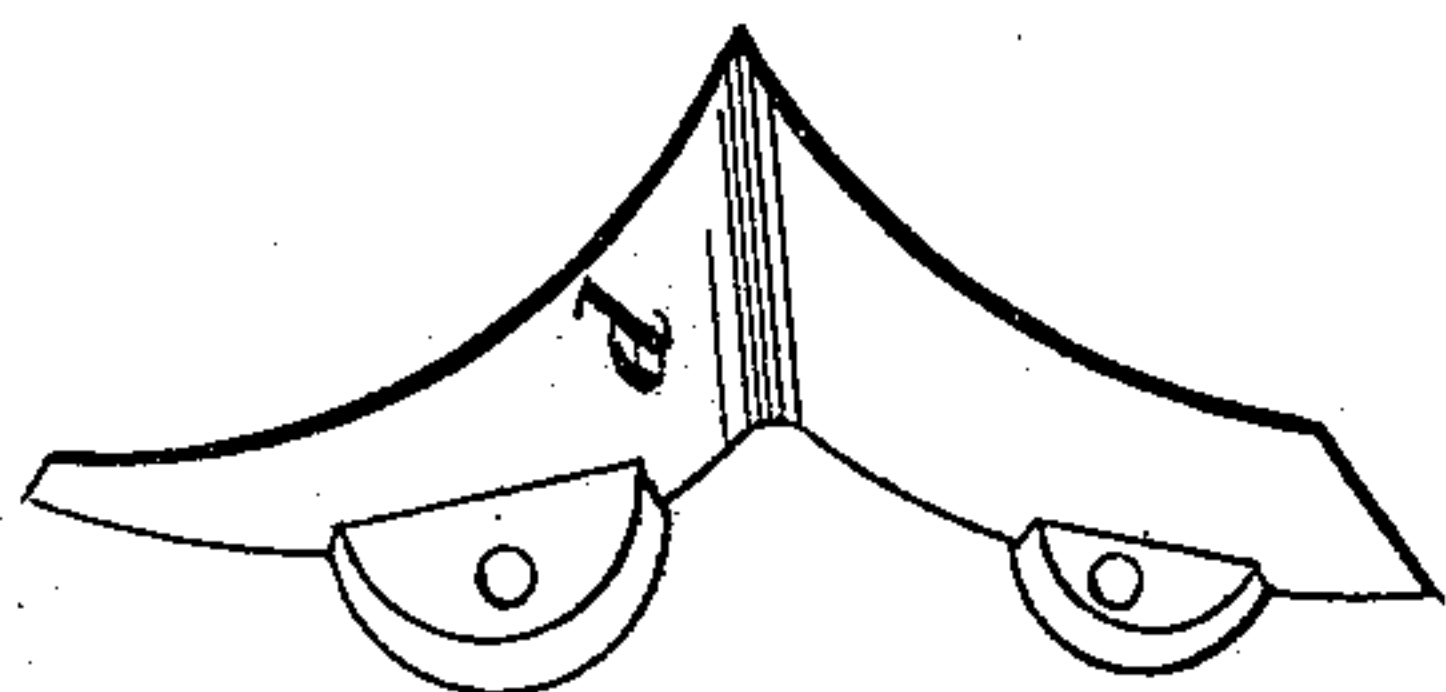


Fig. 2.

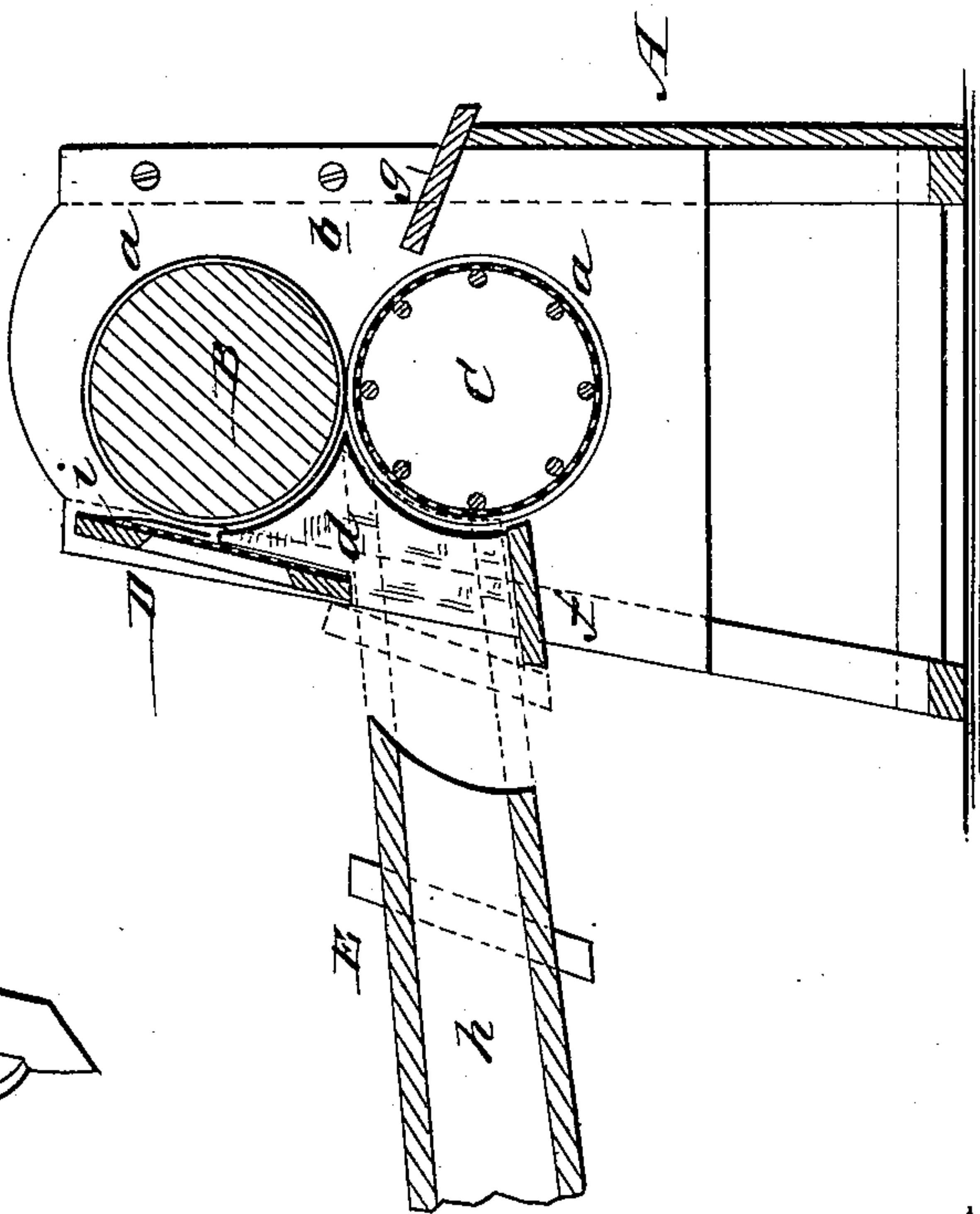
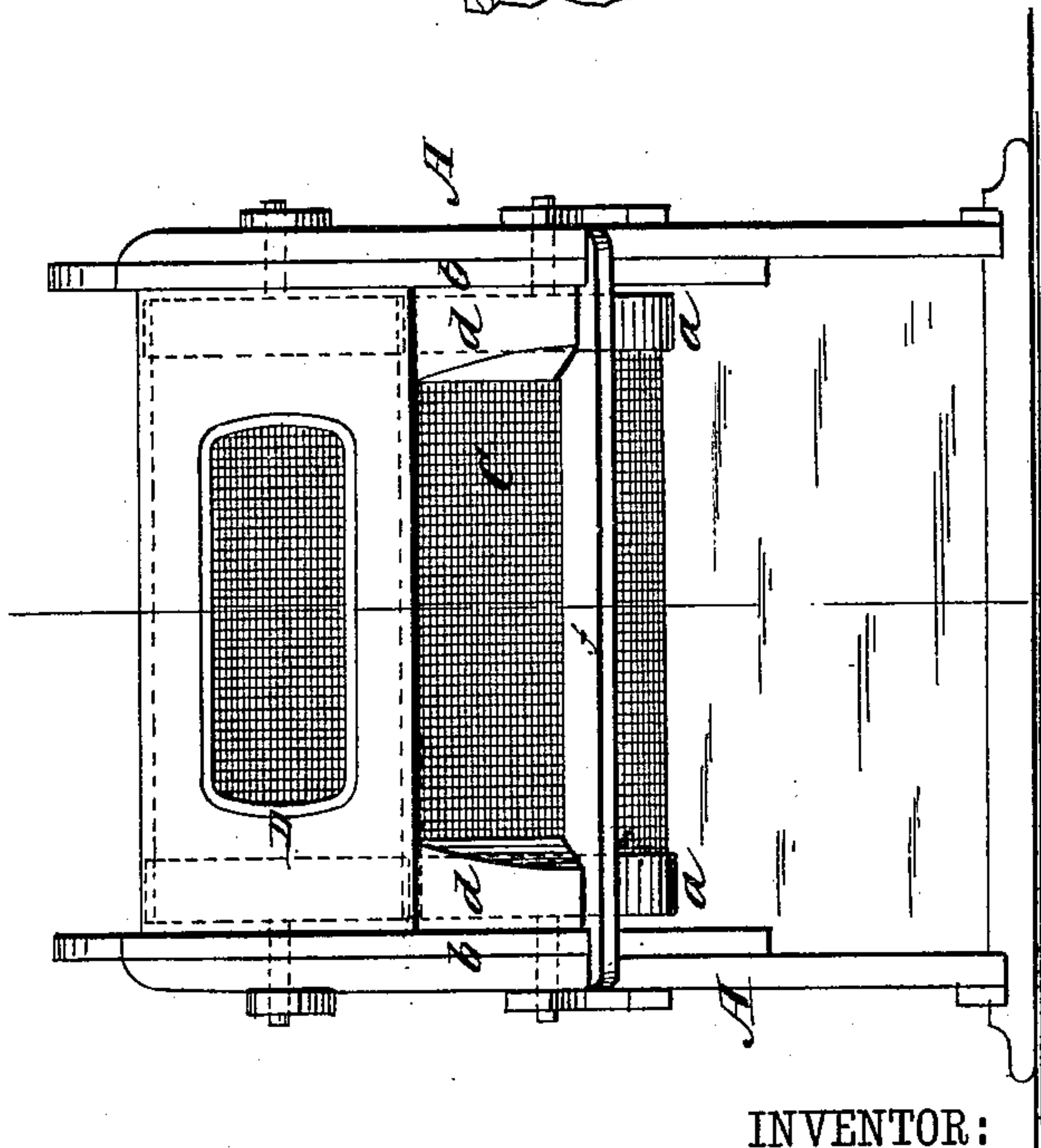


Fig. 1.



WITNESSES:

Francis McArdle.
C. Sedgwick

INVENTOR:

P. Forshay
BY Mum & Co
ATTORNEYS.

UNITED STATES PATENT OFFICE.

PETER FORSHAY, OF AMITE CITY, LOUISIANA.

COTTON-CONDENSER.

SPECIFICATION forming part of Letters Patent No. 246,740, dated September 6, 1881.

Application filed June 2, 1881. (Model.)

To all whom it may concern:

Be it known that I, PETER FORSHAY, of Amite City, in the parish of Tangipahoa and State of Louisiana, have invented a new and
5 useful Improvement in Cotton-Condensers, of which the following is a specification.

My improvement relates to condensers for use with gins, for receiving and compacting the cotton.

10 The object of my invention is to prevent the drums from choking and escape of cotton with the refuse.

The invention consists in combining with the drums of cotton-condensers certain im-
15 provements which will first be described in connection with the drawings and then pointed out in the claims.

In the accompanying drawings, Figure 1 is a front elevation of a condenser containing the
20 improved features. Fig. 2 is a vertical transverse section of the same; and Fig. 3 is a side view of one plate detached.

Similar letters of reference indicate corresponding parts.

25 A A are the end frames, in which the upper solid drum or roller, B, and lower hollow drum, C, of wire-gauze, are fitted. On the ends of these drums are bands *a a*, that move in contact and retain the drums a proper distance
30 apart. The end frames, A, are fitted with boards *b*, and at opposite sides of the roller C are the feed-shelf *f* and delivery-shelf *g*. These parts are of usual construction.

At the feed side of the drums are plates *d*,
35 secured upon the boards *b*. These are shaped to fit the drums B C closely, and are of a width to cover the end bands, *a*, of the drums, so that they direct the cotton toward the middle and prevent choking at the ends. These plates
40 *d*, when used alone, are attached by screws

passing through slots in the plates, as shown in Fig. 3, to allow adjustment, and the plates may be beveled, as shown, so as to give a wider feed-opening.

E is the feed-flue, resting by its inner end on 45 the shelf *f*, and having its sides at the inner end formed with or attached to the plates *d*. The plates *d* in that case are a continuation of the sides of the flue.

It is evident that the plates *d* may be used 50 alone or the flue utilized for the same purpose. In either case the cotton is directed upon the portions of the drum between the end bands, and thus prevented from becoming tangled and choking at the ends of the drum. 55

D is a screen, of wire, secured upon the mouth of the condenser over the feed-flue. This is for allowing free escape of air and to prevent a downward current, so that the cotton shall not be carried down with the motes under the
60 gin. A flap, *i*, of flexible material, attached to the screen and taking against drum B, serves to close the opening between the drum and screen.

Having thus fully described my invention, 65 I claim as new and desire to secure by Letters Patent—

1. The combination, with the drums B C, of the curved end plates, *d*, secured next to the ends of said drums and at the feed-opening, as
70 and for the purpose described.

2. The combination, with the drums B C and feed-flue E, of the screen D, arranged at the mouth of the condenser and over the feed-flue, to prevent the cotton from being carried under
75 the gin with the motes, as described.

PETER FORSHAY.

Witnesses:

W. H. WEBBER,
F. P. MIX.

Corrections in Letters Patent, No. 246,740.

It is hereby certified that in Letters Patent, No. 246,740, issued September 6, 1881, for an improvement in "Cotton Condensers," the name of the grantee, wherever it appears in said Letters Patent and in the printed specification forming a part thereof, was erroneously written and printed "Peter Forshay," instead of "Peter Forshag;" that the correct name is "Peter Forshag," and that the proper corrections have been made in the papers and records pertaining to the case in the Patent Office, and are hereby made in said Letters Patent.

Signed, countersigned, and sealed, this 11th day of October, A. D. 1881.

[SEAL.]

A. BELL,
Acting Secretary of the Interior.

Countersigned:

E. M. MARBLE,
Commissioner of Patents.