

(No Model.)

H. WESSEL.  
BARREL.

No. 351,551.

Patented Oct. 26, 1886.

Fig. 1.

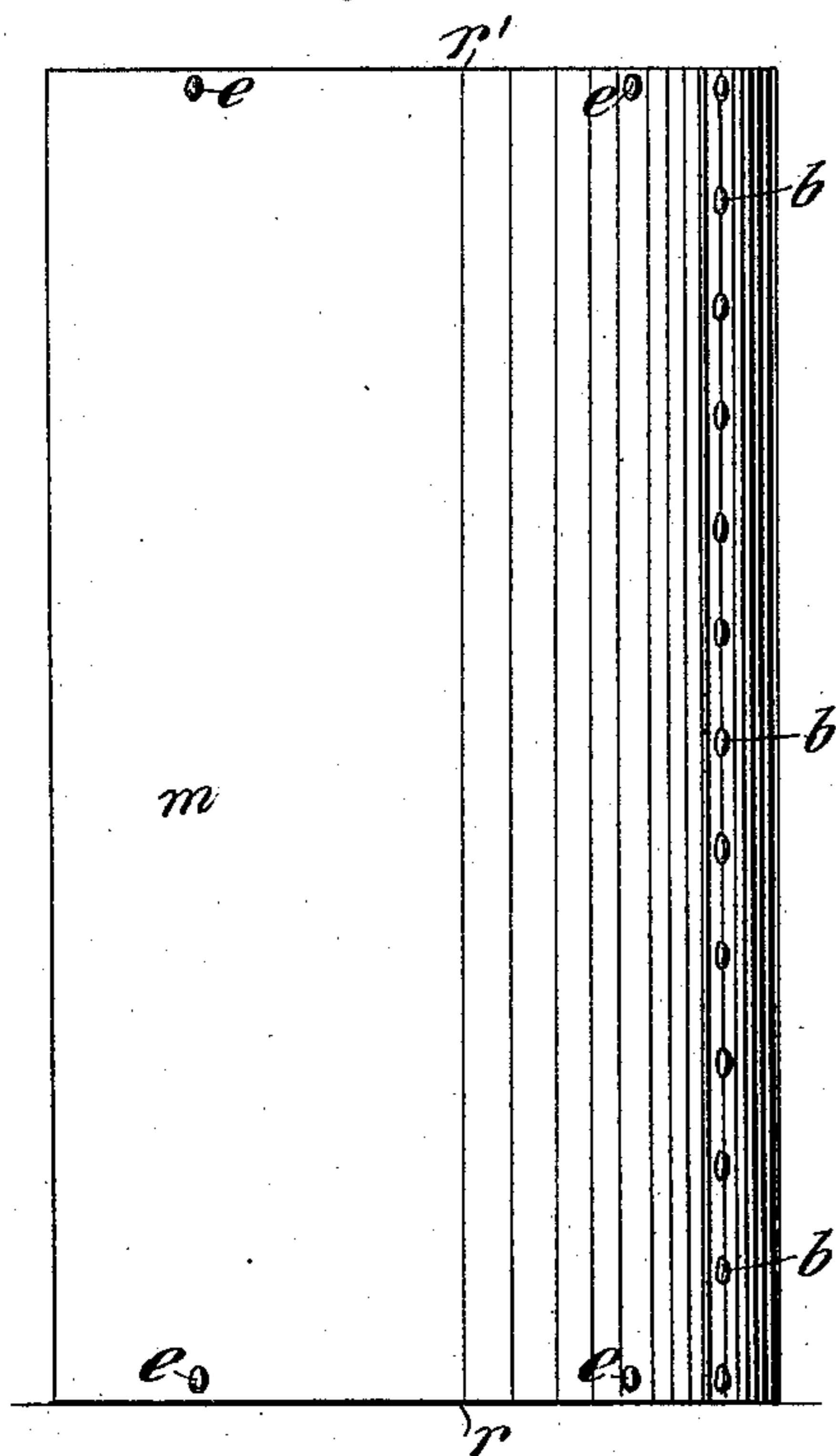


Fig. 2.

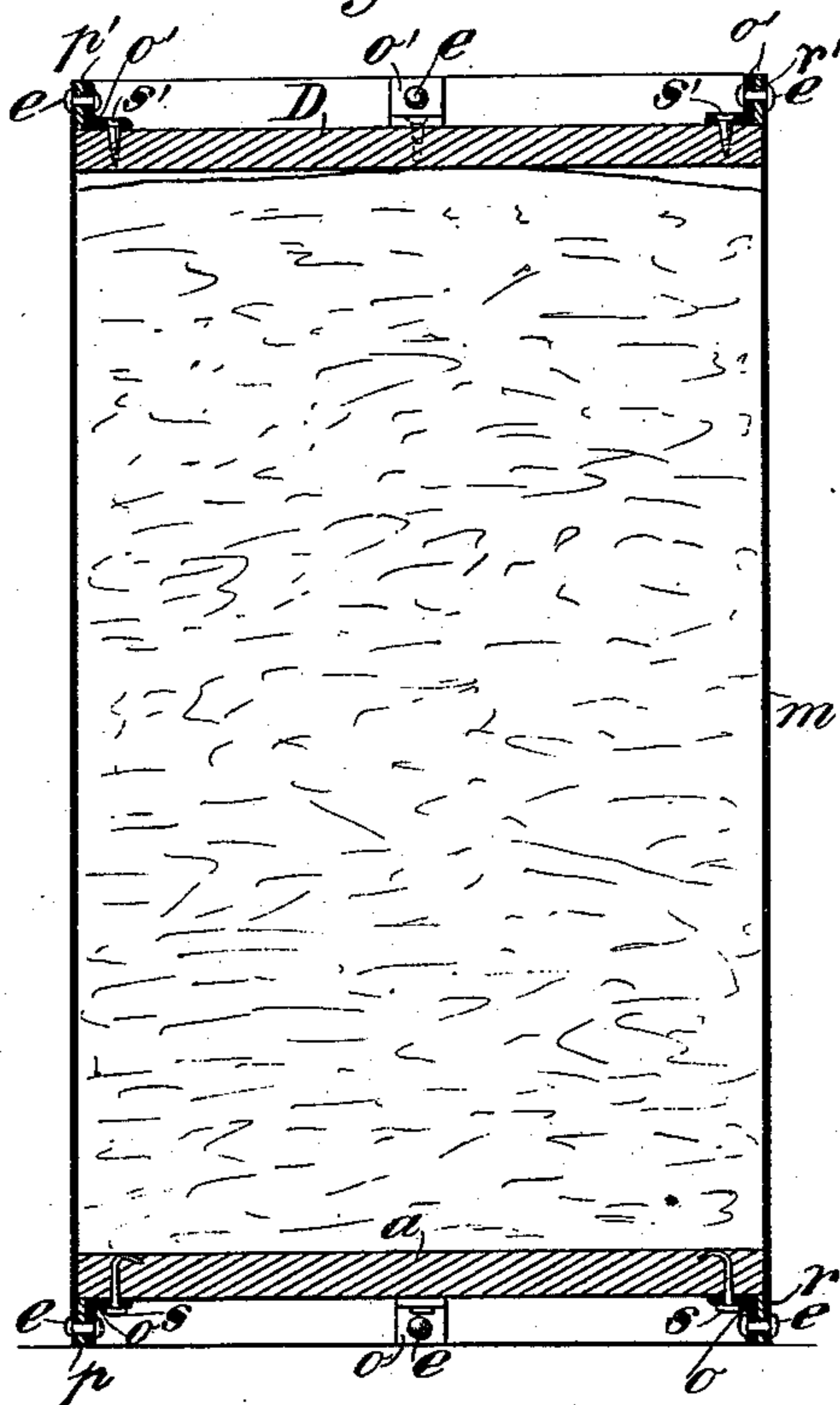
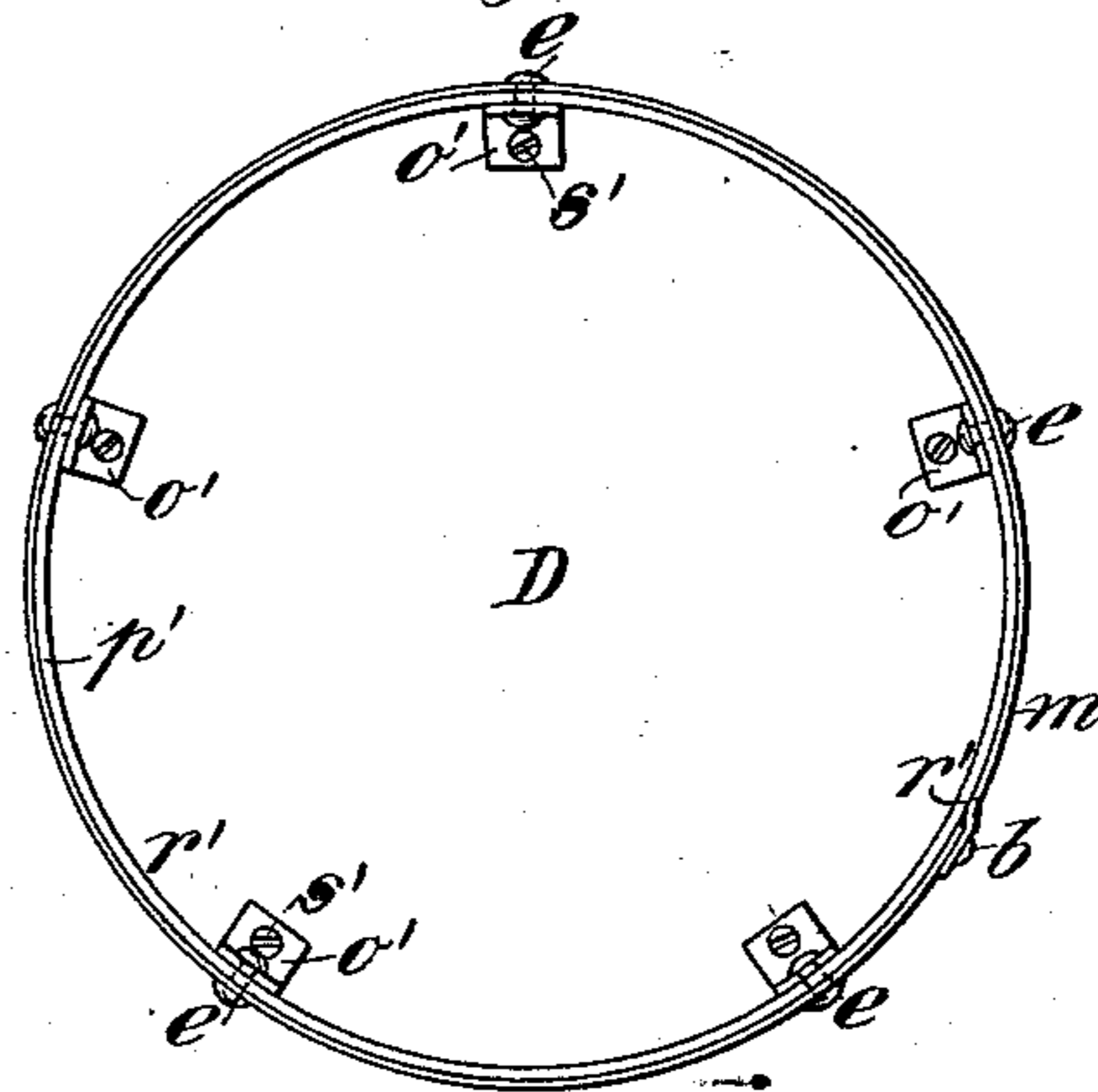


Fig. 3.



Witnesses:

O. Sundgren  
Emil Herter.

Inventor:

Heinrich Wessel  
by his attorneys  
Brown & Hall

# UNITED STATES PATENT OFFICE.

HEINRICH WESSEL, OF HAMBURG, GERMANY.

## BARREL.

SPECIFICATION forming part of Letters Patent No. 351,551, dated October 26, 1886.

Application filed September 3, 1886. Serial No. 212,578. (No model.) Patented in England May 14, 1886, No. 6,515.

*To all whom it may concern:*

Be it known that I, HEINRICH WESSEL, a subject of the Emperor of Germany, and a resident of the city of Hamburg, in the German Empire, have invented a new and useful Improvement in Barrels, (for which I have obtained Letters Patent of Great Britain, No. 6,515, dated May 14, 1886,) of which the following is a specification, reference being had to the accompanying drawings.

This invention consists in an improved construction of barrels for mineral or pulverized goods—as cement, flour, or such like articles. The barrel is composed of a cylinder of sheet-iron in combination with bottom and cover of wood, the fastening of which latter parts to the cylinder is effected by means of sheet-iron rings and sockets of angle-iron, in a manner as will be more fully described with reference to the accompanying sheet of drawings.

Figure 1 of the annexed drawings is an out-  
er view or elevation of the barrel. Fig. 2 is  
a longitudinal section, and Fig. 3 is a plan, of  
the barrel.

*m* is the cylindrical body of the barrel, constructed of sheet iron. The upright ends of the plate or plates forming said body are attached to each other by any suitable means, as by lapping and riveting, as shown at *b b* in Figs. 1 and 3.

The bottom *a*, as well as the cover *D*, are made of wood, of a diameter to fit the inner circular opening of the cylinder *m*. Both the bottom *a*, as well as cover *D*, are furnished with a tapering rim, to allow the same to be tightly driven into the cylinder-opening. The mounting of the barrel is effected in the following way:

Into the cylinder *m* the bottom *a* is first driven, so far that a rim, *r*, of the cylindrical casing of about one inch in width (or more or less, according to the size of the barrel) projects from the under side of bottom *a*. This rim *r* is strengthened by a metal hoop, *p*, placed inside the projecting part of the cylinder, to which it fits tightly all round. The inner

edge of this hoop *p* supports bottom *a*, as will be understood from Fig. 2 of the drawings. The fastening of bottom *a* to the cylinder *m* is then effected by means of sockets *o*, formed of angle-iron, five such angle-iron sockets being shown in the drawings; but more or less may be applied, the said sockets being, by means of rivets *e*, passing through socket, hoop, and cylinder, attached to the rim *r*, while the bottom *a* is attached to the sockets by means of nails *s*. After the barrel has been filled with cement or other material, for which it has to be applied, the cover *D* is inserted into the top of the cylinder, and tightly driven down upon the upper surface of material inclosed in the barrel. The rim *r'* of cylinder *m*, projecting above the outer side of the cover *D* is then, in the same way as bottom rim, *r*, strengthened by another hoop, *p'*, fastened to the barrel-cylinder by sockets *o'*, and rivets *e*, in the same manner as described with reference to the bottom part of the barrel, the sockets *o'* being secured to the cover *D* by means of wood-screws *s'*, or by nails.

The before-described barrel is of considerable strength, and can be made at a very low price. The cylinder *m* may be formed of very thin sheet-iron, relatively, so long as care be taken that the hoops *p* and *p'* be of sufficient strength to allow of loading and unloading without breaking the barrel.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination of the sheet-iron cylindrical body *m*, the wooden bottom *a*, cover *D*, and metal strengthening-hoops *p p'*, inserted within the ends of the said body, the angle-irons *o o'*, inserted within said hoops, the rivets *e*, securing said angle-irons to said hoops, and the screws or nails *s s'*, for securing said angle-irons to the bottom and cover, all substantially as herein shown and described.

HEINRICH WESSEL.

Witnesses:

F. ENGEL,  
H. E. WITT.