

No. 657,812.

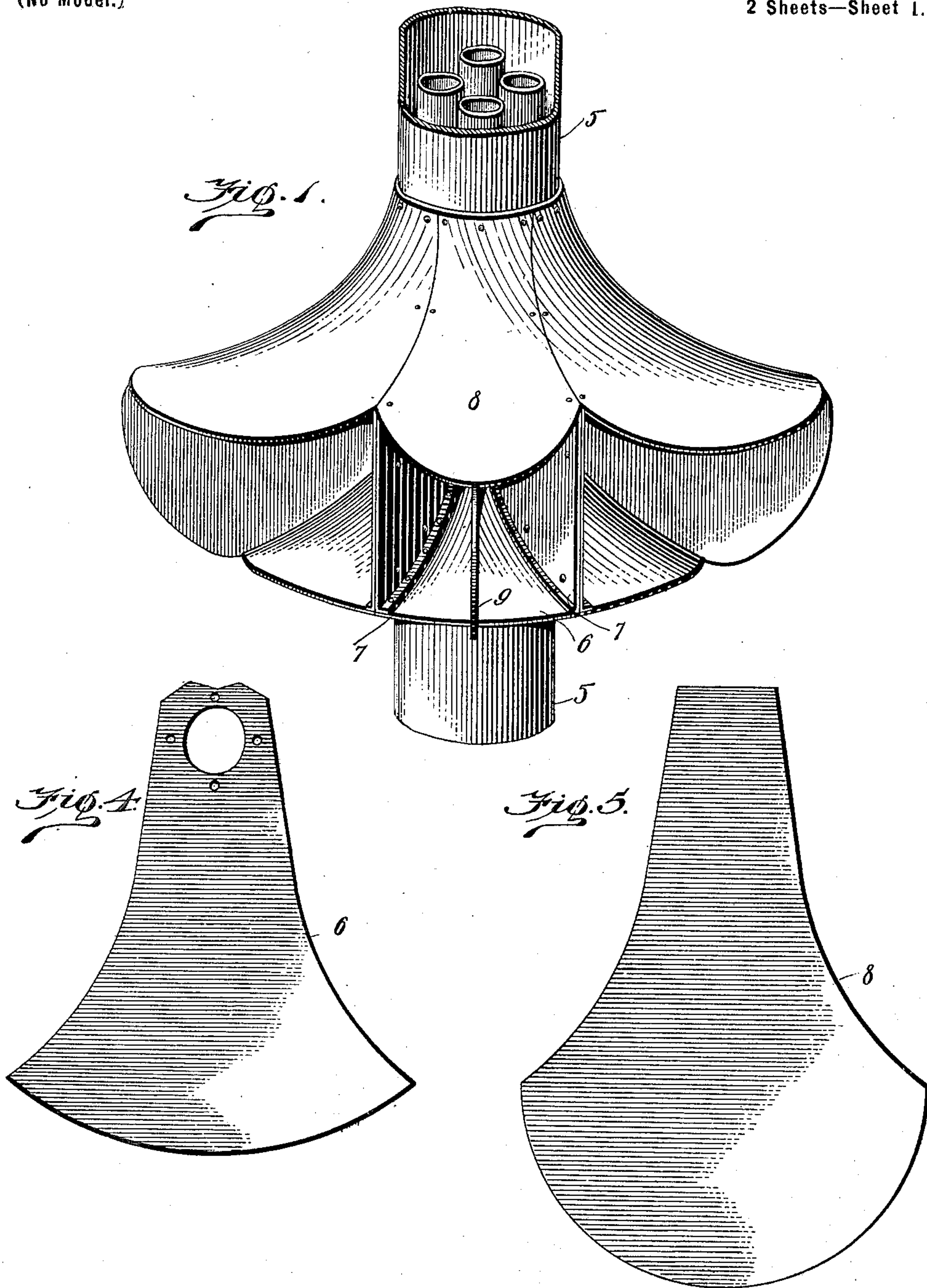
Patented Sept. 11, 1900.

J. COMMISKY.
DRAFT DEVICE.

(Application filed Mar. 28, 1900.)

(No Model.)

2 Sheets—Sheet 1.



WITNESSES:
H. G. Dieterich
C. R. Ferguson

INVENTOR
John Commisky
BY *Munn*
ATTORNEYS

No. 657,812.

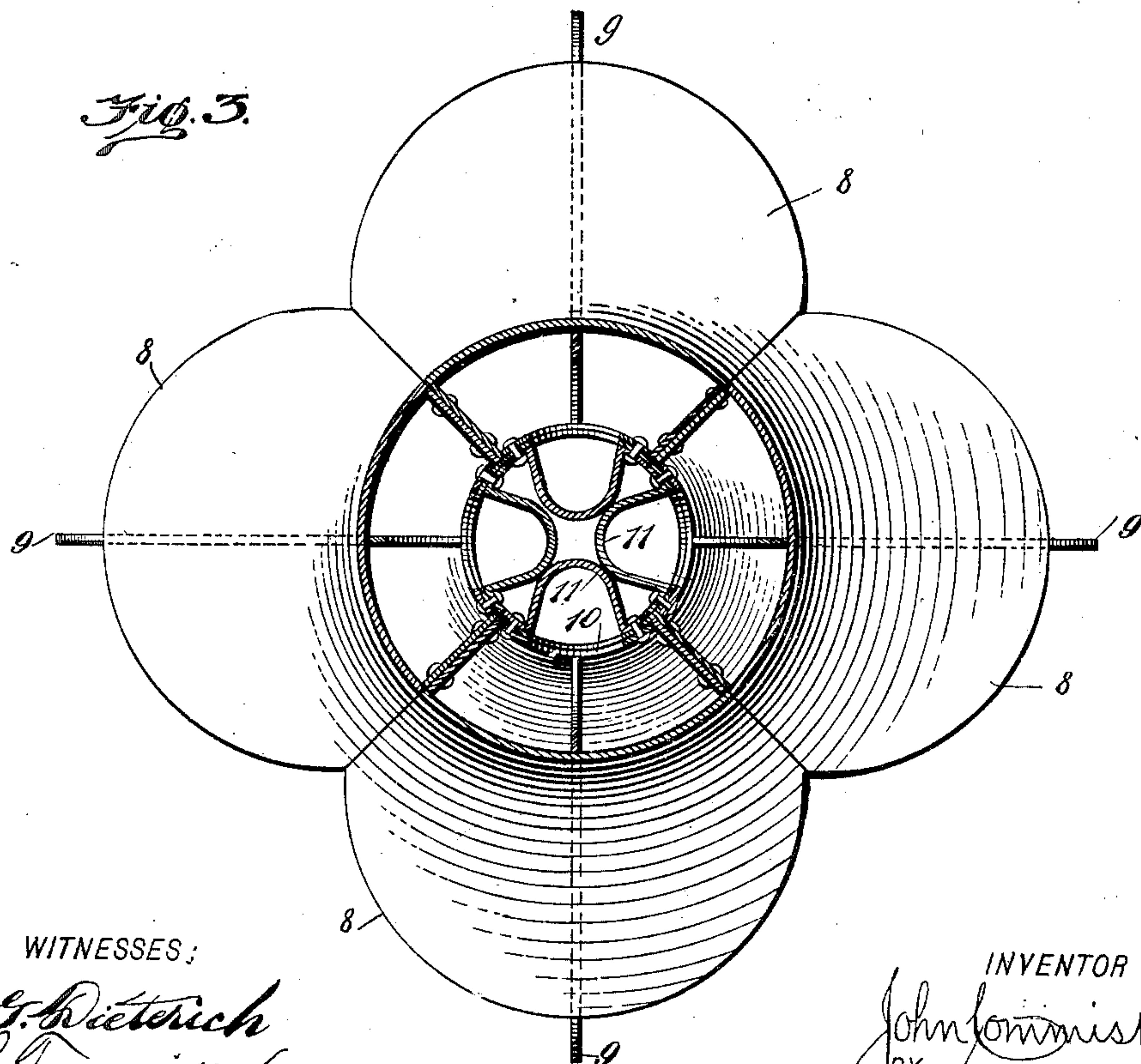
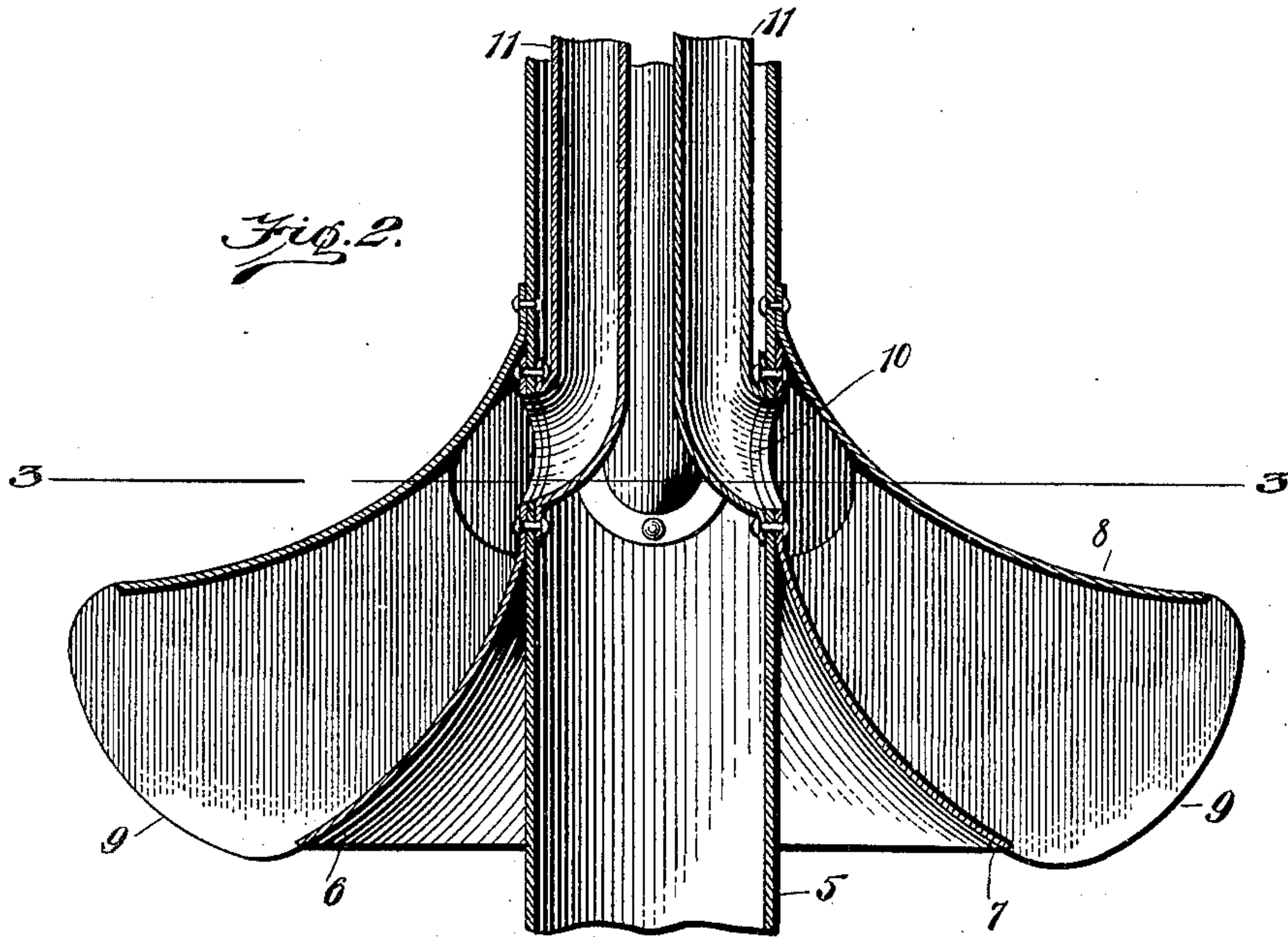
Patented Sept. 11 1900.

J. COMMISKY.
DRAFT DEVICE.

(Application filed Mar. 28, 1900.)

(No Model.)

2 Sheets—Sheet 2.



WITNESSES:

H. G. Dieterich
C. R. Ferguson

INVENTOR

John Commisky
BY *Mum*
ATTORNEYS

UNITED STATES PATENT OFFICE.

JOHN COMMISKY, OF NEW YORK, N. Y.

DRAFT DEVICE.

SPECIFICATION forming part of Letters Patent No. 657,812, dated September 11, 1900.

Application filed March 28, 1900. Serial No. 10,536. (No model.)

To all whom it may concern:

Be it known that I, JOHN COMMISKY, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Draft Device, of which the following is a full, clear, and exact description.

This invention relates to improvements in draft devices for smoke-stacks, flues, and the like; and the object is to provide a draft device of simple construction and in which a strong draft will be created by air passing through a series of hoods and tubes.

I will describe a draft device embodying my invention and then point out the novel features in the appended claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of a draft device embodying my invention. Fig. 2 is a sectional elevation thereof. Fig. 3 is a section on the line 3 3 of Fig. 2. Fig. 4 shows the form of the plate for the bottom of a hood, and Fig. 5 shows a top therefor.

Referring to the drawings, 5 designates a chimney or stack, and arranged on the outer side of this chimney or stack is a series of hoods, each consisting of a downwardly and outwardly curved bottom plate 6, secured at its top to the chimney or stack, side plates 7, and a top plate 8, which is also curved downward and outward. The several hoods are arranged with their side walls close together, forming a complete circle, and each hood is divided into two compartments by means of a partition 9, the partitions extending somewhat outward beyond the ends of the top and bottom walls, so as to catch the wind.

At the connection of each hood with the stack 5 the stack is provided with an opening

10, and attached to the inner side of the stack and communicating with this opening is a draft-pipe 11, the draft-pipe being extended upward and within the stack 5. It will be noted in Fig. 2 that the partition 9 terminates at a short distance from the stack, thus providing an opening for the free passage of wind to the opening 10. By curving the top and bottom plates of the hoods there will be but little frictional obstruction to the wind passage, and by employing the partitions and extending them outward, as described, the wind will be caught in each hood in whatever direction the wind may blow.

If desired, the stack 5 may be mounted to rotate on a main stack.

It is obvious that the force of wind passing up through the several tubes 11 will create a draft through the pipe or stack 5.

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

The combination with a pipe or stack, of a series of hoods arranged close together and forming a complete circle around the stack, each hood consisting of a downwardly and outwardly curved bottom plate secured at the top to the stack, side plates and a top plate also curved downward and outward, a partition dividing each hood longitudinally into two compartments communicating at the top, the outer ends of the partitions being extended beyond the ends of the hoods, and draft-pipes in the stack and communicating with the interior of the hoods, substantially as specified.

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

JOHN COMMISKY.

Witnesses:

JNO. M. RITTER,
C. R. FERGUSON.