

THOMAS A. ANDREWS, Jr.

Improvement in Spark-Arresters.

No. 128,095.

Patented June 18, 1872.

Fig. 1.

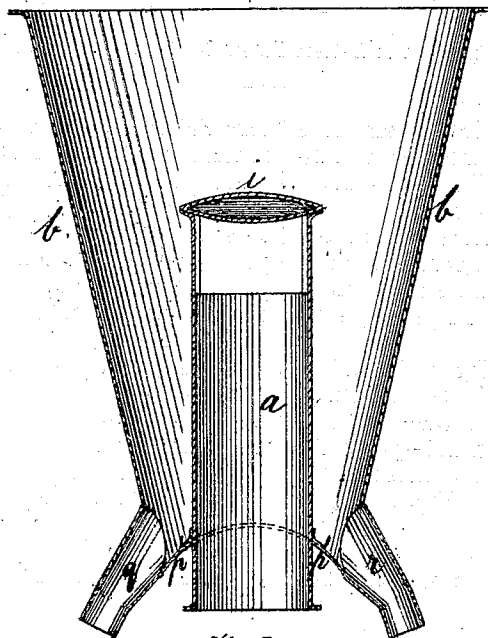
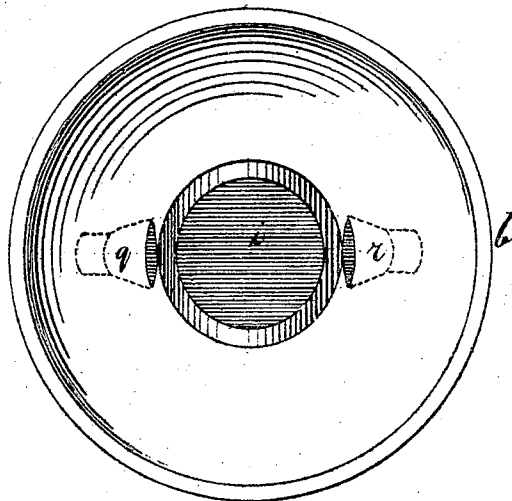


Fig 2



Witnesses.

Com R. Wright.
M. Fillmore Walton.

Inventor.

Thomas A. Andrews Jr.

UNITED STATES PATENT OFFICE.

THOMAS A. ANDREWS, JR., OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN SPARK-ARRESTERS.

Specification forming part of Letters Patent No. 128,095, dated June 18, 1872.

Specification describing an Improvement in Spark-Arresters, invented by THOMAS A. ANDREWS, Jr., of Philadelphia, Pennsylvania.

My invention is an improvement on the spark-arrester for which Letters Patent No. 111,507 were granted to me February 9, 1871, and supplies to the devices therein described means for the automatic discharge of the arrested sparks.

In the annexed drawing, Figure 1 is a longitudinal vertical section of the smoke-stack, its exterior casing, and also of the double-inclined base and two spark discharge-pipes, the spark-arresting devices being omitted as unnecessary for the description; Fig. 2, a plan of the same.

a represents the smoke-stack; *b*, its exterior casing; *i*, a casting described in my said Let-

ters Patent. *p* is the base of the casing *b*. It is formed so as to have a sharp double inclination, at the bottom of which the discharge-pipes *q* and *r*, having funnel-shaped mouths, as shown, are permanently attached. To the pipes *q* and *r* are intended to be attached other pipes of sufficient length and sectional capacity to conduct the arrested sparks to the ground.

I claim—

The smoke-stack, casing, and spark-arresting devices above described or referred to, in combination with the double-inclined base *p* and the two discharge-pipes *q* and *r*, all constructed as set forth.

THOMAS A. ANDREWS, JR.

Witnesses:

WM. R. WRIGHT,

M. FILLMORE WALTON.