No. 645,027. Patented Mar. 6, 1900.

J. M. BAKER.

PLAY PIPE FOR FIREMEN'S HOSE.

(Application filed Oct. 26, 1899.

(No Model.)

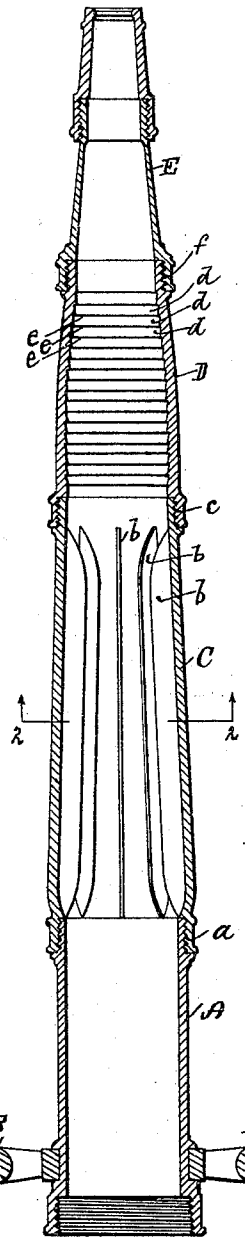


FIG. 1.

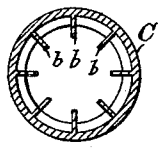


FIG. 2.

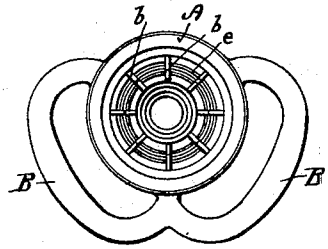


FIG. 3.

WITNESSES:

Harry J. Garceau

Henry E Reynolds

INVENTOR:

James M. Baker.

BY S. Schofield.

ATTY.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JAMES M. BAKER, OF PROVIDENCE, RHODE ISLAND.

PLAY-PIPE FOR FIREMEN'S HOSE.

SPECIFICATION forming part of Letters Patent No. 645,027, dated March 6, 1900.

Application filed October 26, 1899. Serial No. 734,851. (No model.)

To all whom it may concern:

Be it known that I, JAMES M. BAKER, a citizen of the United States, residing at Providence, in the State of Rhode Island, have invented a new and useful Improvement in Play-Pipes for Firemen's Hose, of which the following is a specification.

The object of my invention is to so construct the play-pipe that the range of the play of the stream will be increased; and my invention consists in the combination of longitudinal ribs and circumferential grooves in the body of the play-pipe, as hereinafter fully set forth.

In the accompanying drawings, Figure 1 represents a longitudinal section of a play-pipe provided with my improvement. Fig. 2 represents a transverse section taken in the line 2 2 of Fig. 1. Fig. 3 represents a rear end view of the pipe.

In the drawings, A represents the attaching portion of the body of the play-pipe to which the handles B are secured, the tapering middle portion C of the play-pipe being connected to the portion B by means of the screw-thread *a*, the said middle portion being provided with the integral parallel longitudinal ribs *b b*, which serve to guide the periphery of the flowing stream of water in the direction of its axis and prevent tendency of rotation, and to the outer end of the middle portion C is secured the tapering outer portion D by means of the screw-thread *c*, the said outer portion being provided with the series of circumferential grooves *d d*, which serve to form the slight intervening abrupt edges *e e*, adapted to act frictionally upon the periphery of the flowing stream, and to the end of the outer portion D of the body of the play-pipe is secured the nozzle E by means of the screw-thread *f*.

By the employment of my improvement the efficiency of the play-pipe in throwing the water to a distance will be greatly increased.

I claim as my invention—

In a play-pipe for firemen's hose the combination of the nozzle, with the body portion provided with the series of longitudinal ribs, and the circumferential grooves having the intervening abrupt edges, which act frictionally upon the stream, substantially as described.

JAMES M. BAKER.

Witnesses:
SOCRATES SCHOLFIELD,
HENRY E. REYNOLDS.