

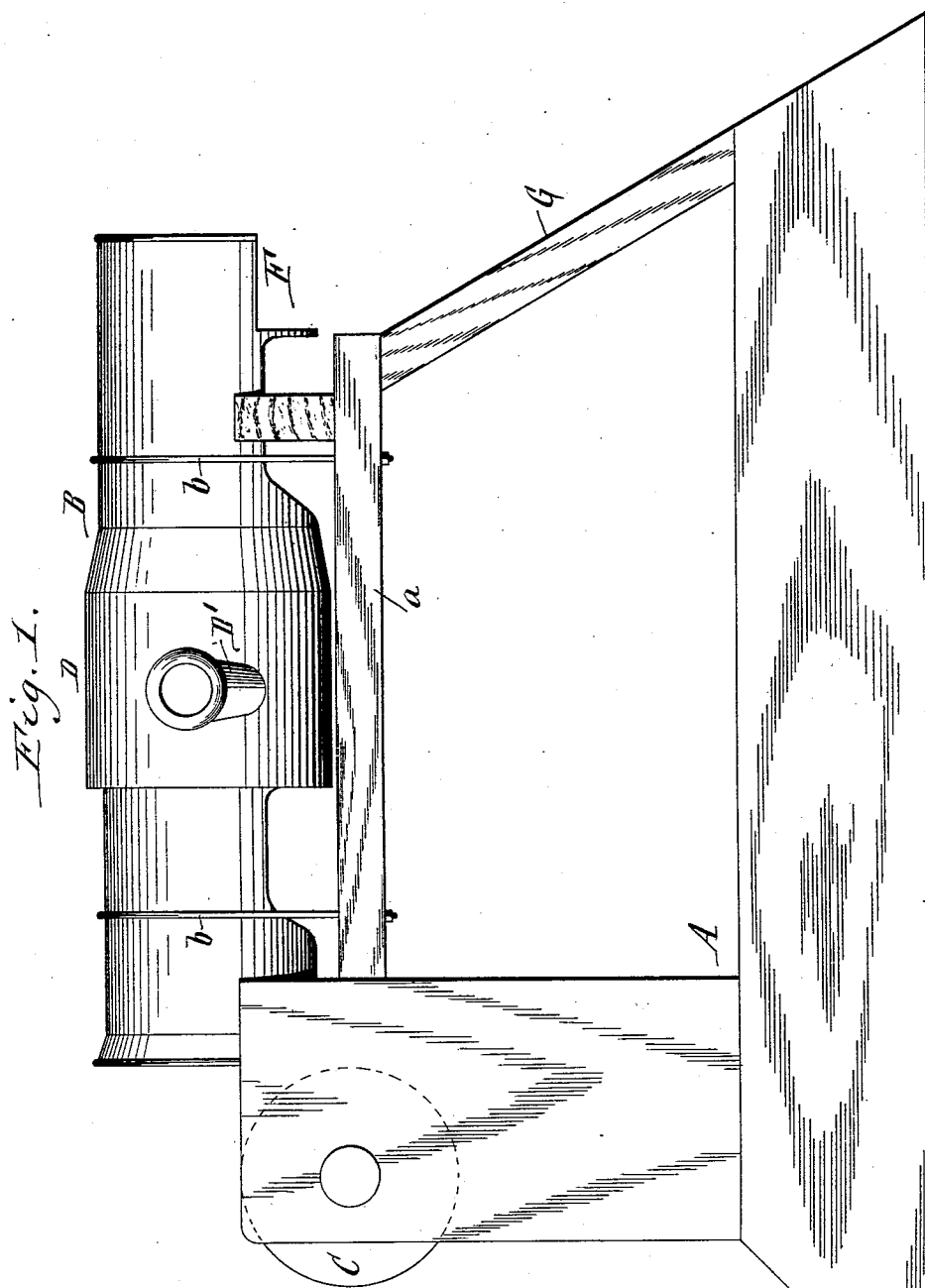
(No Model.)

2 Sheets—Sheet 1.

E. T. SLAGHT.
HOSE WASHER.

No. 564,720

Patented July 28, 1896.



Witnesses:
Emmett Pulford.
Henry L. Deck.

Edwin T. Slaght
Inventor.
By Wilhelm H. Hinner
Attorneys.

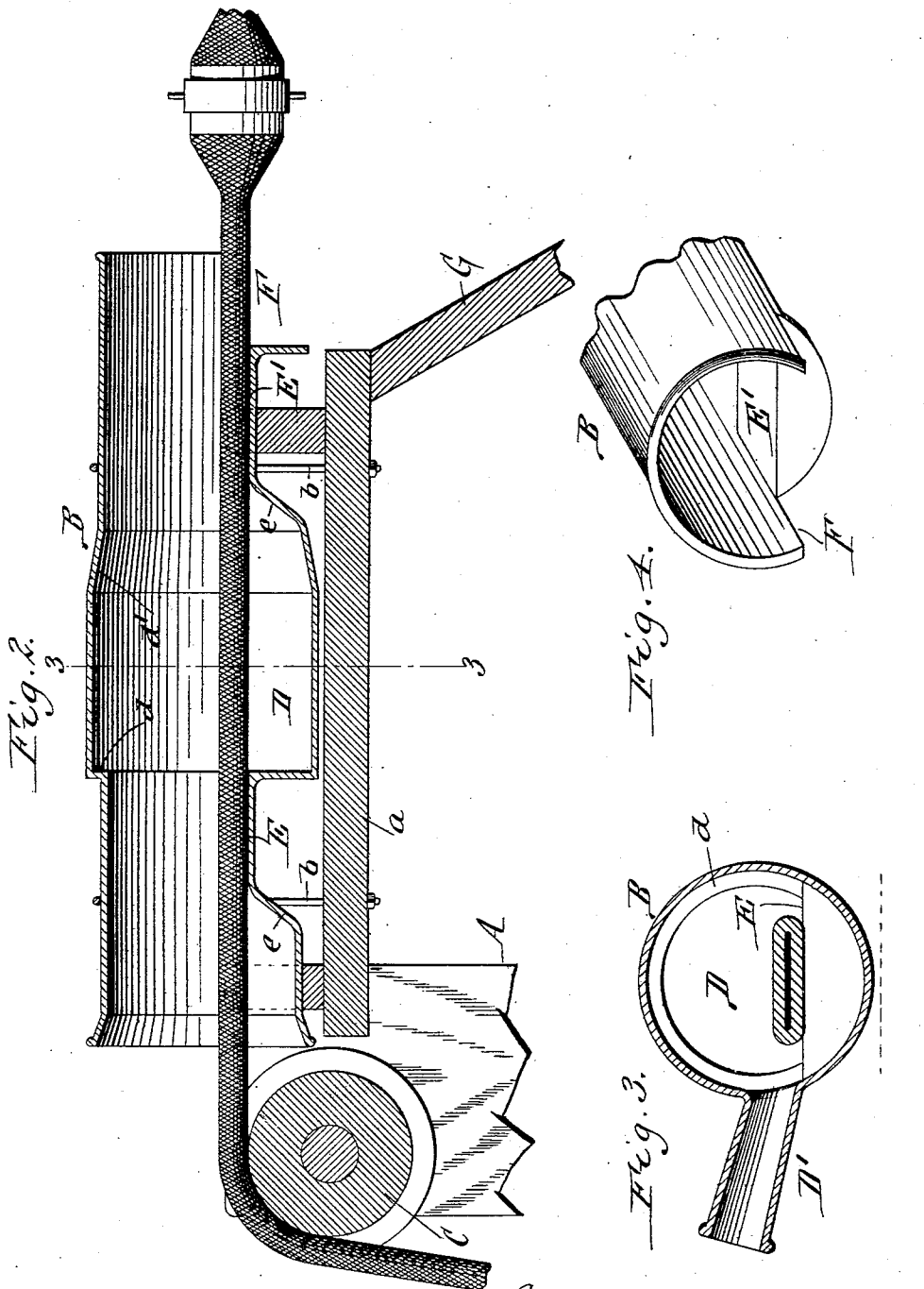
(No Model.)

2 Sheets—Sheet 2.

E. T. SLAGHT.
HOSE WASHER.

No. 564,720.

Patented July 28, 1896.



Witnesses:
Ernest Sulford.
Henry L. Dick.

Edwin T. Slaght Inventor.
By William H. Brown.
Attorneys.

UNITED STATES PATENT OFFICE.

EDWIN T. SLAGHT, OF GOWANDA, NEW YORK, ASSIGNOR OF ONE-HALF TO
DWIGHT H. HUFF, OF FREDONIA, NEW YORK.

HOSE-WASHER.

SPECIFICATION forming part of Letters Patent No. 564,720, dated July 28, 1896.

[Application filed November 29, 1895. Serial No. 570,348. (No model.)]

To all whom it may concern:

Be it known that I, EDWIN T. SLAGHT, a citizen of the United States, residing at Gowanda, in the county of Cattaraugus and State of New York, have invented new and useful Improvements in Hose-Washers, of which the following is a specification.

This invention relates to a hose-washing apparatus which is particularly designed for washing the hose usually employed for extinguishing fires.

My invention has the object to provide a hose-washer for this purpose which is extremely simple in construction, thorough in its operation, and which can be manufactured at small cost.

In the accompanying drawings, consisting of two sheets, Figure 1 is a side elevation of my improved hose-washer. Fig. 2 is a fragmentary longitudinal section thereof. Fig. 3 is a vertical cross-section thereof in line 3 3, Fig. 2. Fig. 4 is a fragmentary perspective view of the discharge end of the washing-tube.

Like letters of reference refer to like parts in the several figures.

A represents the main frame, which supports the washing apparatus and which may be constructed in any suitable manner.

B represents a horizontal washing-tube through which the hose is drawn and into which a stream of water is delivered for washing the hose during its passage through the tube. The latter is secured to the horizontal top board *a* of the main frame in any suitable manner, preferably by means of two bails or bent rods *b*, passing around the top of the tube and secured with their lower screw-threaded ends by screw-nuts to the top board, as shown in the drawings.

The front end of the washing-tube flares outwardly, so as to facilitate the entrance of the hose with its couplings into the tube.

C represents a roller which is journaled transversely in the main frame in front of the washing-tube and which forms a rolling support for permitting the hose to be drawn more easily into the tube.

The central portion of the washing-tube is provided with an annular enlargement forming a washing-chamber D and shoulders *d d'* at the front and rear ends of said chamber.

Into this chamber a stream of water is delivered by a nozzle D', which latter is preferably arranged tangentially on one side of the washing-tube and connected at its outer end with a hose or other water-supply in any suitable manner.

E E' represent elevated seats or shelves which hold the hose out of contact with the bottom of the washing-chamber, so as to permit the water to act upon all sides of the hose. These shelves are arranged in the lower portion of the washing-tube in front and in rear of the washing-chamber and are preferably formed integrally with the washing-tube, as shown in Fig. 2. The front ends of the shelves are inclined to prevent the couplings of the hose from being caught against the same, and for the same reason the rear shoulder *d'* of the washing-chamber is tapered rearwardly, as shown. The shelves are of such height that the hose is supported opposite the nozzle, which causes the water issuing from the nozzle to strike the top and bottom portion of the hose at the same time, so that both sides of the hose are subjected to the direct force of the stream.

The water from the nozzle first fills the washing-chamber and then escapes through both the front and rear ends of the washing-tube. The shoulders at the front and rear ends of the washing-chamber serve to retard the escape of the water from this chamber, so that the hose in passing through the washing-chamber is always surrounded by a solid body of water. Owing to the tangential arrangement of the nozzle, the water is delivered tangentially into the chamber, which causes the water to whirl around in the chamber and thoroughly wash the hose as it is drawn through the whirling solid body of water. The water which is discharged through the front end of the tube softens the hose and the dirt on the same preparatory to subjecting the same to the washing action in the chamber, and after the hose has been washed the same is rinsed by the water which is discharged through the rear end of the washing-tube.

It has been found in practice that when the ends of the washing-tube are circular the whirling water issues from the ends in the

form of a conical spray. In order to avoid unduly wetting the operator, who usually pulls the hose through the washing-chamber from the rear end thereof, the lower rear portion of the washing-tube is provided with a notch or opening F. The whirling body of the water upon reaching this opening is broken up and the water is discharged downwardly through the opening and strikes an inclined board G on the rear portion of the frame, which board directs the water to the ground at an angle.

I claim as my invention—

1. In a hose-washing apparatus, the combination with an open-ended horizontal tube provided with an enlargement forming a washing-chamber having shoulders at its ends, which retard the discharge of the water in the tube and form hose-seats whereby the

hose is elevated above the bottom of said washing-chamber or enlargement, of a water-supply pipe or nozzle opening into said washing-chamber, substantially as set forth.

2. The combination with a washing-tube provided at its rear end with a notch or lateral opening and in its central portion with an enlargement forming a washing-chamber, of elevated shelves or seats arranged in the bottom of the tube in front and in rear of the washing-chamber and a water-supply nozzle opening into the washing-chamber, substantially as set forth.

Witness my hand this 22d day of November, 1895.

EDWIN T. SLAGHT.

Witnesses:

I. PETER BRUECK,
S. G. KEYES.