I. S. Roland,

Washing Machine,

No. 16,190. Patented Dec. 9, 1856.

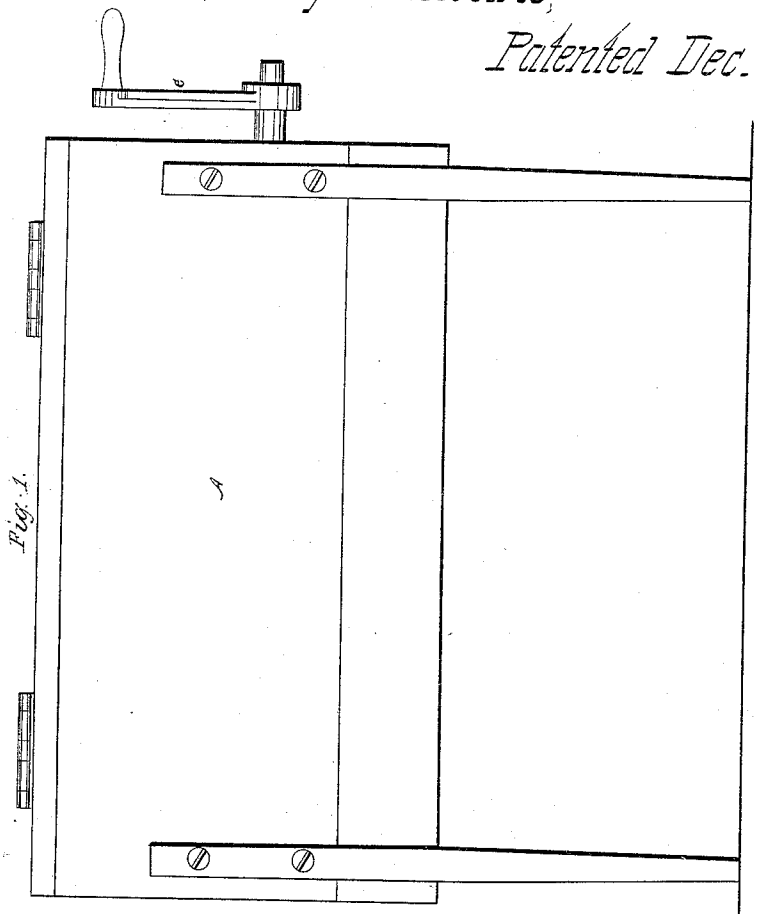

Fig. 1.

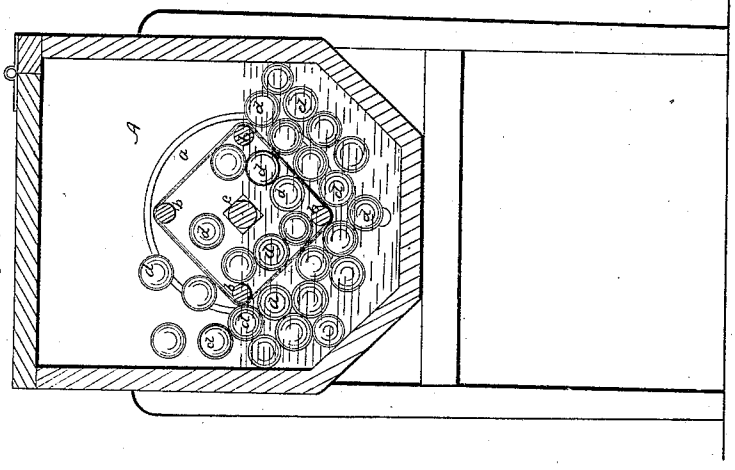

Fig. 2.

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

ISAAC S. ROLAND, OF WEST EARL, PENNSYLVANIA.

WASHING-MACHINE.

Specification of Letters Patent No. 16,190, dated December 9, 1856.

To all whom it may concern:

Be it known that I, ISAAC S. ROLAND, of West Earl, in the county of Lancaster and State of Pennsylvania, have invented a new and Improved Machine for Washing Carpets and other Articles of a Similar Character; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, Figure 1 being a side elevation of said machine, and Fig. 2 a transverse section of the same.

My improved washing machine is composed of an oblong box A, which has a reel combined with it, and which is also supplied with a liberal quantity of wooden balls *d*, *d*. The reel which forms a part of my improved washing machine, is composed of two heads *a*, connected to each other by the rods *b*, *b*, *b*, *b*, and the shaft *c*. The said shaft *c*, works in suitable bearing boxes, or in apertures in the ends of the box A, of the machine, and has a crank *e*, on one of its ends by which it may be rotated.

The carpet, or other article, to be washed in my machine, is wound upon the reel of said machine, and a suitable number of balls are placed within the space in said reel, inclosed by the carpet, or other article, wound upon it. Then suds should be let into the box of the machine, until the surface of the suds is about on a level with the axis of the reel. A sufficient quantity of the balls should be placed in the box A, outside and inside of the carpet, or other article, wound upon the reel, to exert a frictional action upon every exposed portion of the surface of said carpet, or other article, when the reel is rotated. The position of the article upon the reel should be shifted at intervals, until every portion of its outer and inner surfaces have been thoroughly acted upon and cleansed by the action of the balls during the rotation of the reel within the suds.

I do not claim the use of loose balls, nor of a reel, in washing machines; but

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

The arrangement of the article to be washed around the periphery of a revolving reel, in combination with the application of loose balls, or blocks, both inside and outside thereof, substantially in the manner and for the purpose herein set forth.

The above specification of my improved washing machine signed and witnessed this 5th day of June 1856.

ISAAC S. ROLAND.

Witnesses:

J. G. SHANDS,

FRED. MATHYS.