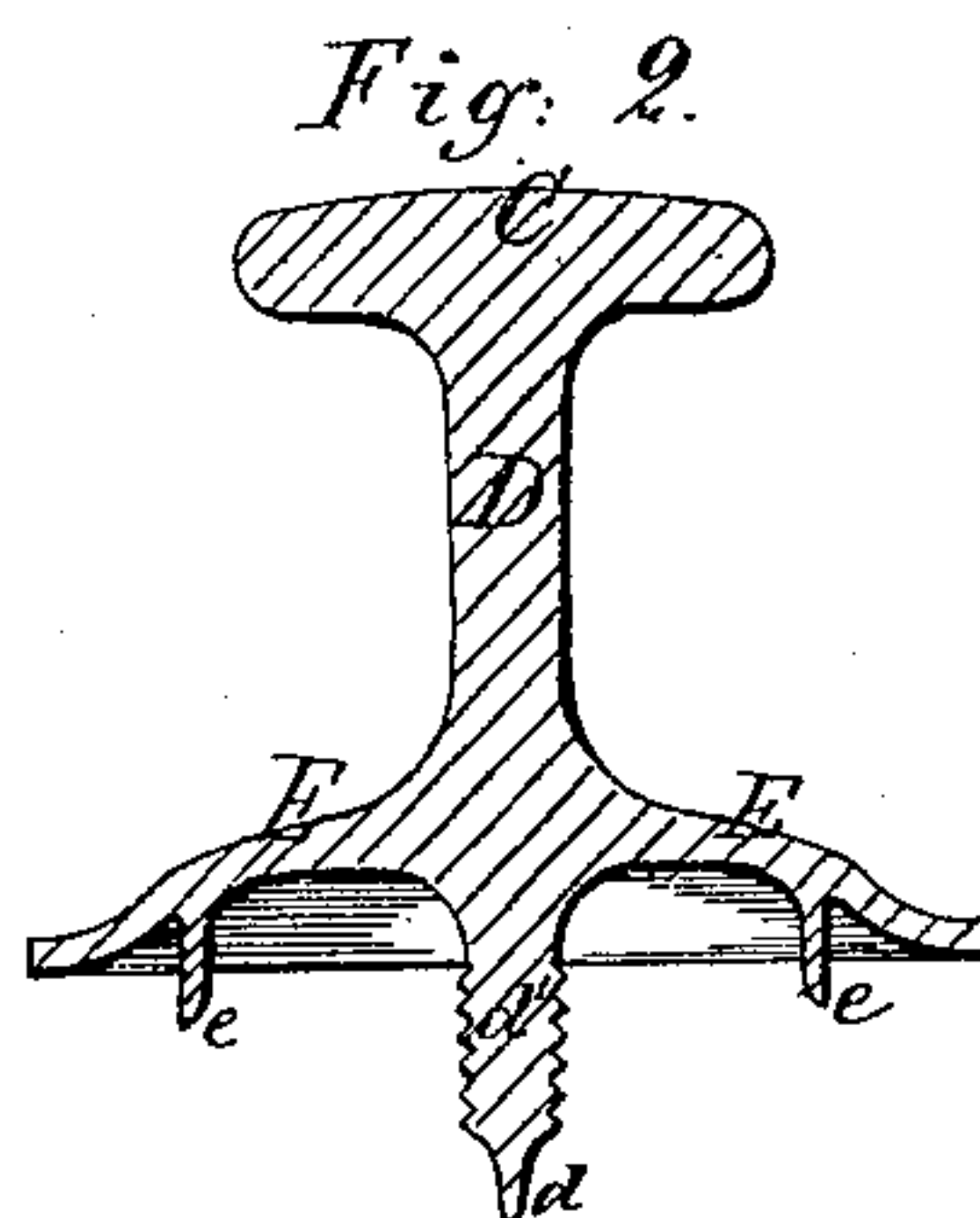
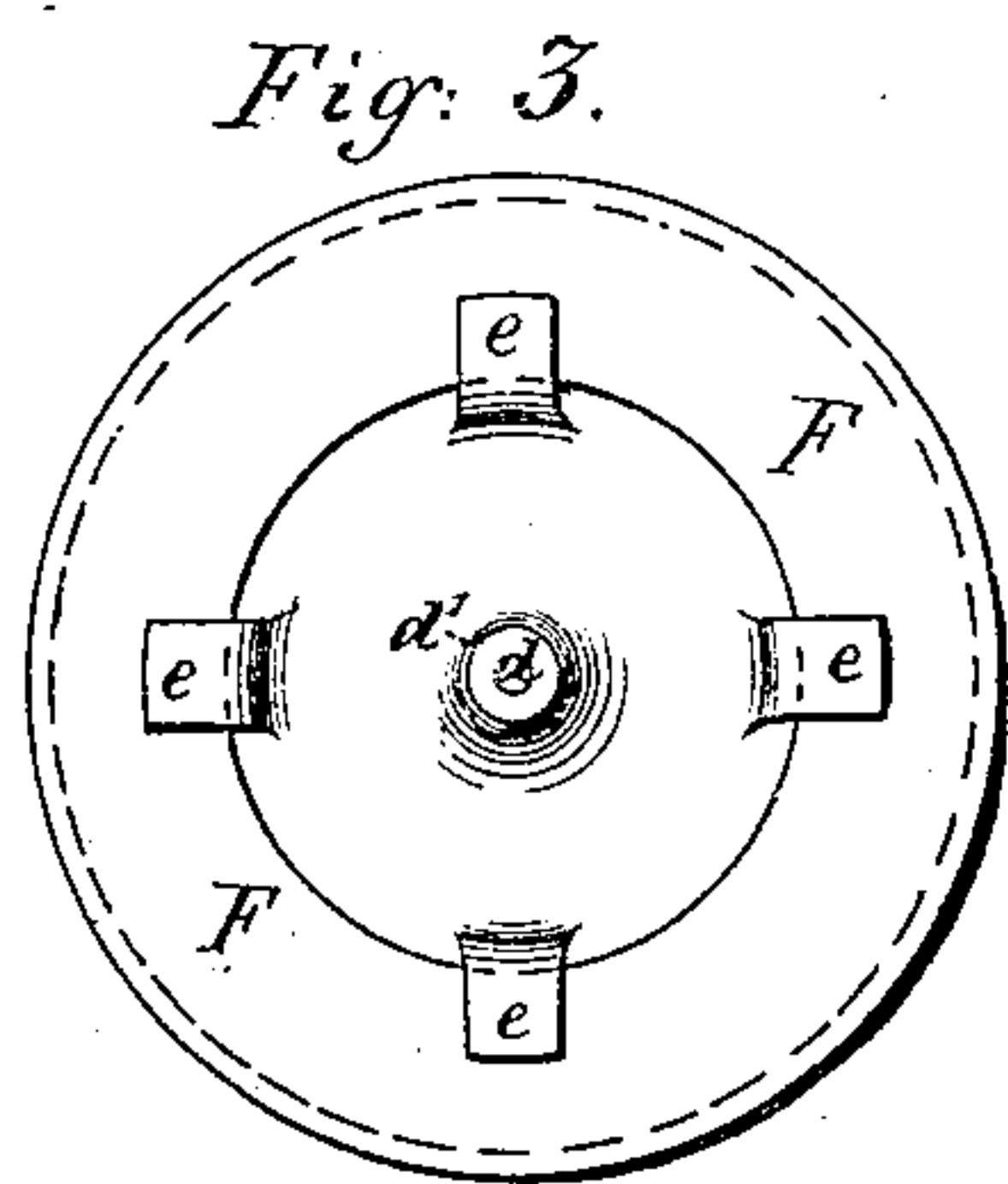
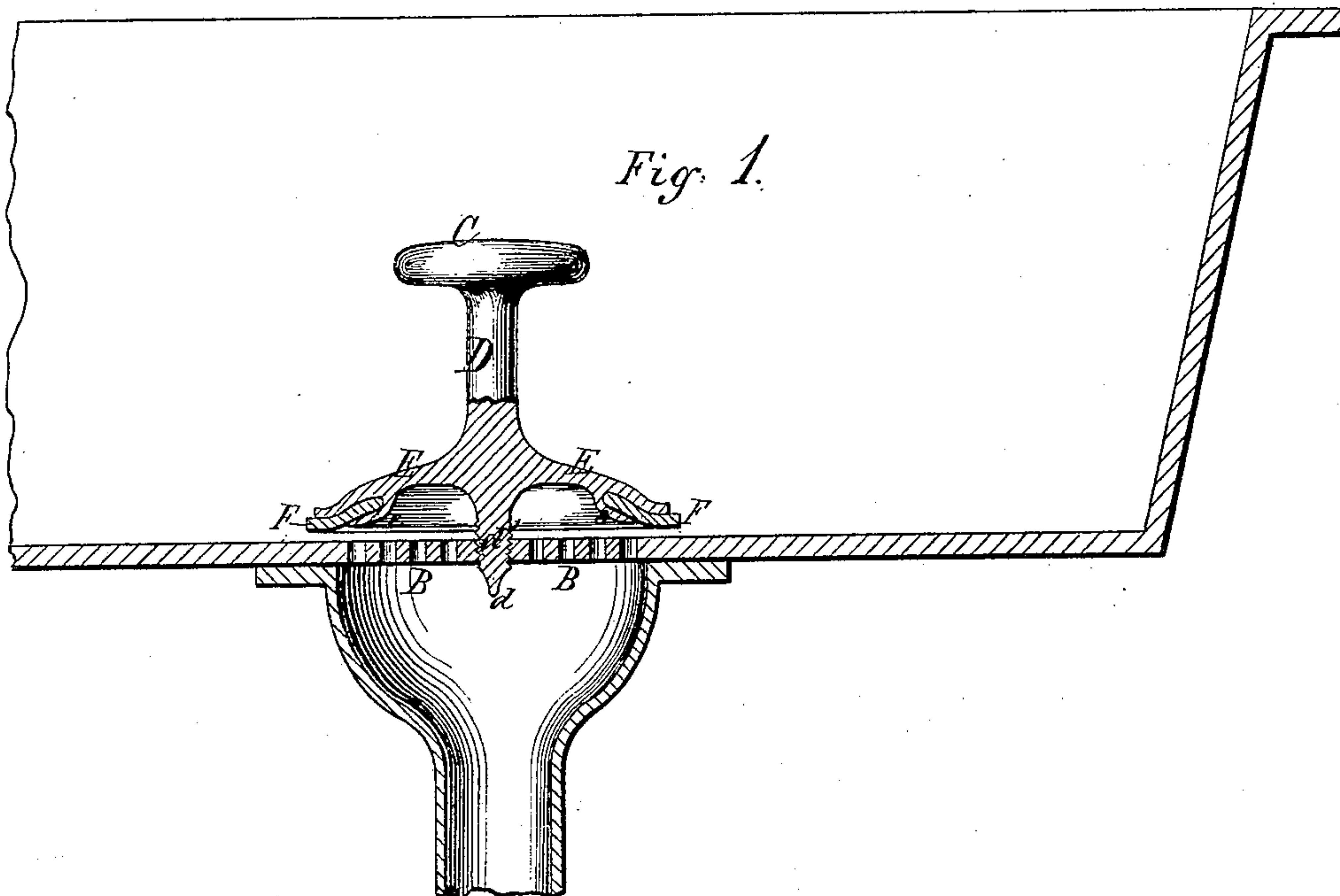


(No Model.)

J. PERSSON.  
WASTE PIPE COVER FOR SINKS.

No. 246,973.

Patented Sept. 13, 1881.



Witnesses:  
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# UNITED STATES PATENT OFFICE.

JOHANNES PERSSON, OF NEW YORK, N. Y.

## WASTE-PIPE COVER FOR SINKS.

SPECIFICATION forming part of Letters Patent No. 246,973, dated September 13, 1881.

Application filed June 30, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, JOHANNES PERSSON, of the city, county, and State of New York, have invented a new and useful Improvement in Waste-Pipe Covers for Sinks, of which the following is a specification.

My invention relates to devices intended for use in the sinks of dwelling-houses, to cover the waste-pipe opening in an air and water tight manner, with the double object of effectually excluding sewer-gases from the room and allowing the sink to be filled with water for washing dishes and for other purposes. United States Patents Nos. 171,002 and 213,163 are referred to as furnishing the nearest samples of similar devices as heretofore constructed.

The object of my present improvement is to furnish a very simple and cheap waste-pipe cover not liable to get out of order and readily attachable without necessitating any change in the present construction of sinks, or even without unscrewing the waste-pipe.

The improvement consists in a waste-pipe cover constructed as hereinafter described and claimed.

In the accompanying drawings, Figure 1 represents a sectional elevation of my improved cover in position for use. Fig. 2 is a similar view of the same ready to receive the packing. Fig. 3 is a plan view of the under side of the same with packing inserted.

Similar letters of reference indicate like parts.

A designates the sink, and B the perforated portion thereof, underneath which the water-pipe (not shown in the drawings) is fastened. The said perforated portion B is generally a separately-made plate fastened by screws to the bottom of the sink.

The cover is a solid piece of cast metal consisting of the knob C, having a straight flanged shank, D, the lower part of which is threaded at *d'*, and ends with a conical point, *d*, to facilitate its insertion in the central hole of the perforated portion B, which hole is threaded to receive the threaded part of the shank D.

The flange E, which forms one piece with

the shank and joins it a little above the threaded portion, is preferably made in the shape of an inverted shallow cup whose peripheral rim is horizontal and extends beyond the circumference of the perforated portion B of the sink A, as shown in the drawings.

A packing-ring, F, of rubber or other suitable material, is fastened to the under side of the rim of the cup-flange E by three or more tongues, *e*, projecting downward from the flange E, as shown in Fig. 2, and which are afterward bent back upon the flange E, the packing F being interposed, thus clamping the ring F to the flange-rim, as in Fig. 1, which shows the cover partly open, as when allowing the wastewater to escape. By simply screwing down the cover by the knob C until the packing F presses tightly upon the bottom of the sink the discharge-opening to the waste-pipe will be closed air-tight, preventing the escape into the room of sewer-gas and allowing the sink to be filled with water for washing and other purposes.

From the foregoing it will be seen that all that is needed for enabling the attachment of this cover to the sink is only to thread the central hole (or one near it) in the perforated portion B.

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

1. A waste-pipe cover made in one single solid piece, having a flanged shank, D, pointed and threaded at its lower end for attaching it to the perforated portion B, substantially as specified.

2. A waste-pipe cover consisting of the knob C, threaded shank D, flange E, having fastening-tongue *e*, all forming together one piece, in combination with the packing-ring F, all constructed substantially as and for the purpose specified.

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Witnesses:

JOHN M. STELLE,  
HENRY SELLMAN.