

(No Model.)

W. Y. OBER.
VENTILATOR.

No. 409,224.

Patented Aug. 20, 1889.

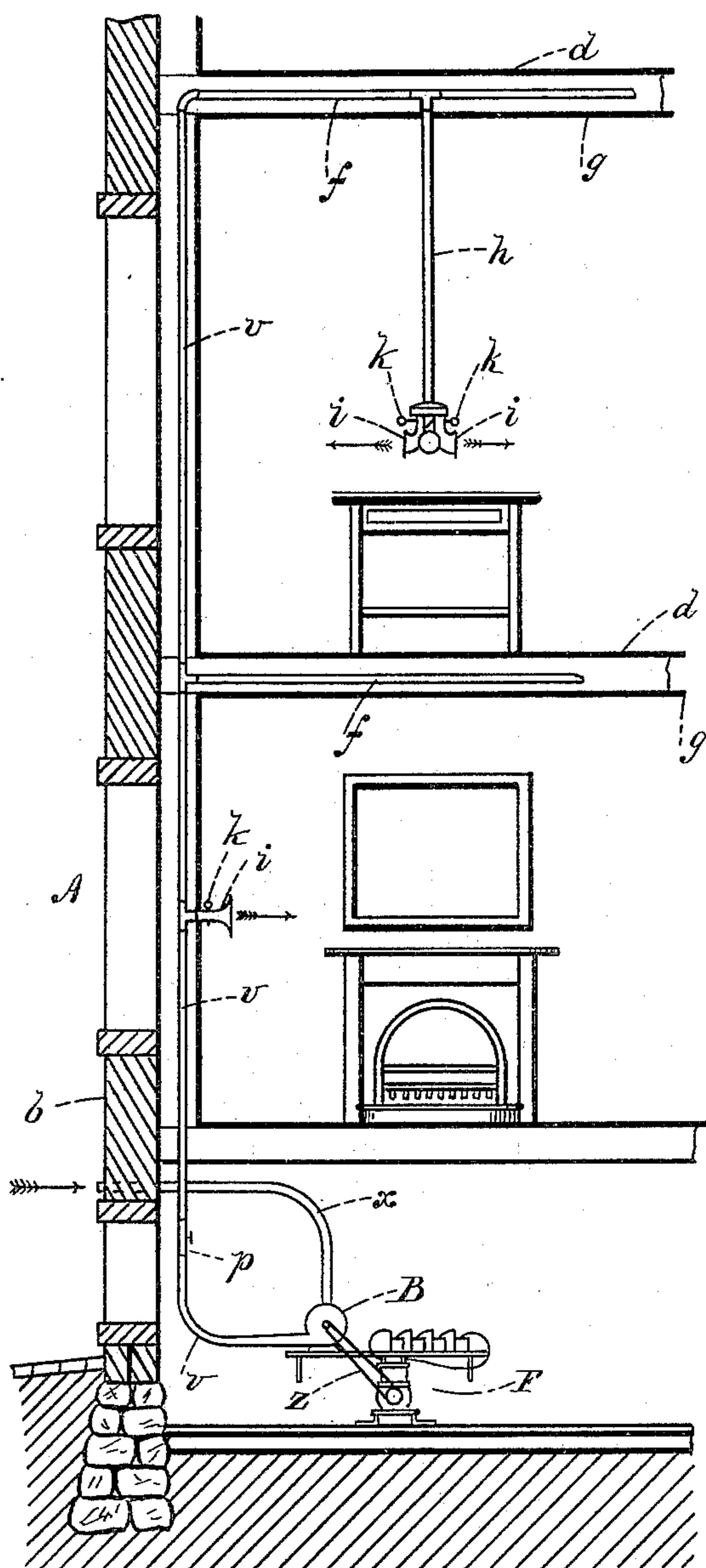


Fig. 1.

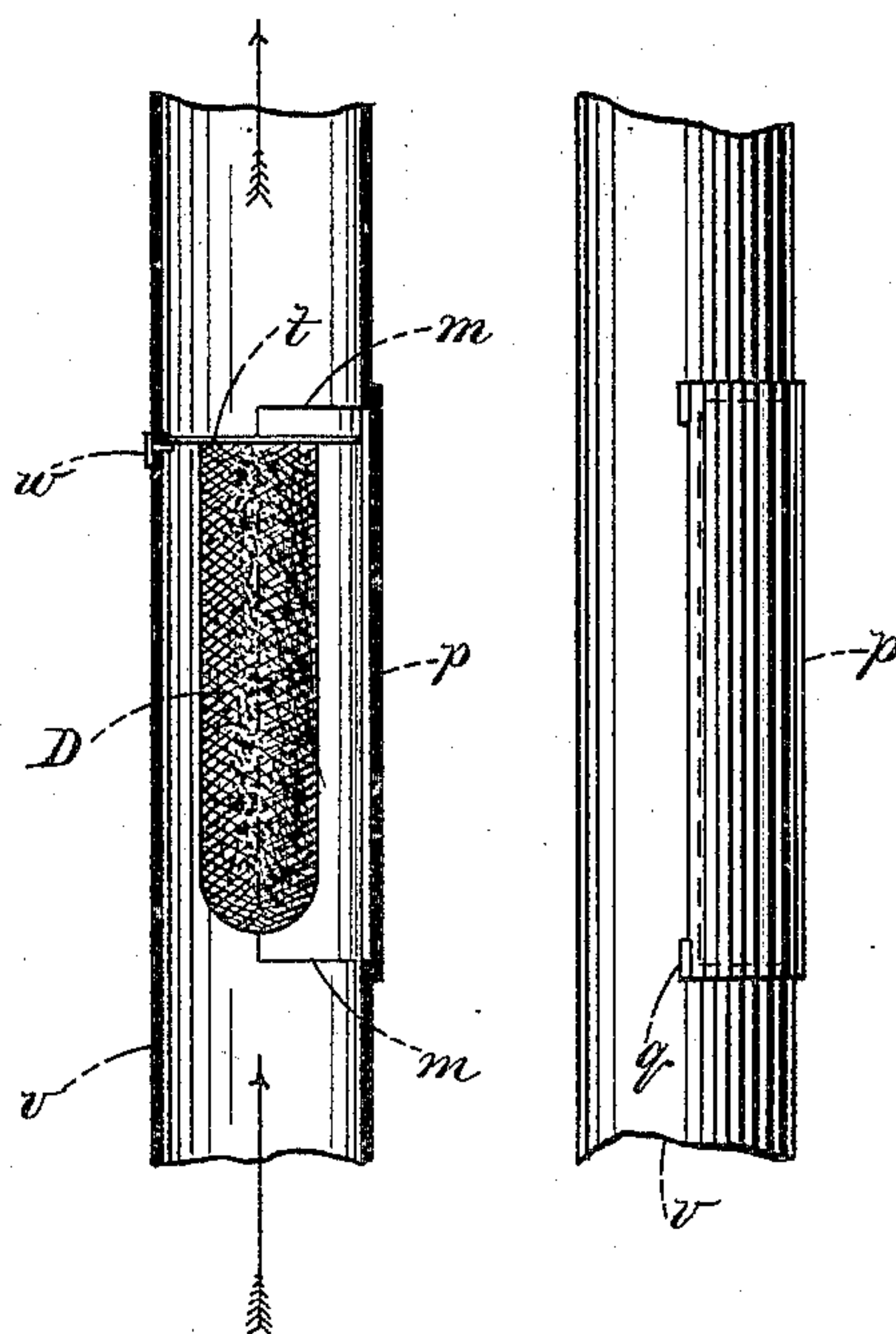


Fig. 2. Fig. 3.

WITNESSES=

W. H. Minney
H. Durfee

INVENTOR=
William Y. Ober,
PER *C. A. Shaw & Co.*
ATTYS=

UNITED STATES PATENT OFFICE.

WILLIAM Y. OBER, OF LYNN, MASSACHUSETTS, ASSIGNOR TO THE STANDARD MINING AND VENTILATING COMPANY, OF PORTLAND, MAINE.

VENTILATOR.

SPECIFICATION forming part of Letters Patent No. 409,224, dated August 20, 1889.

Application filed February 8, 1889. Serial No. 299,166. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM Y. OBER, of Lynn, in the county of Essex, State of Massachusetts, have invented a certain new and useful Improvement in Ventilators, of which the following is a description sufficiently full, clear, and exact to enable any person skilled in the art or science to which said invention appertains to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a sectional view of a building provided with my improvement; and Figs. 2 and 3, enlarged views of a portion of the pipe, illustrating certain details of construction.

Like letters and figures of reference indicate corresponding parts in the different figures of the drawings.

My invention relates to that class of ventilators which are provided with disinfecting material; and it consists in certain novel features, as hereinafter fully set forth and claimed, the object being to produce a simpler, cheaper, and otherwise more desirable device of this character than is now in ordinary use.

The nature and operation of the improvement will be readily understood by all conversant with such matters from the following explanation.

In the drawings, A represents the building, and B the rotary power fan or blower.

The blower B is of the ordinary form and construction, and is actuated by an electric dynamo or engine F, being connected therewith by a belt z. The blower is preferably situated in the basement of the building A, and is provided with an induction-pipe x, which passes through the wall b of the building, and through which fresh air is supplied. An eduction-pipe v leads from the blower vertically through the different floors of the building, branch pipes f being connected thereto and running horizontally between the floors d and ceilings g thereof. Supplemental branch pipes h tap the pipes f and enter the rooms of the building at any desired point;

said pipes being provided with flaring mouth-pieces i, opening into the rooms in different directions, and with ordinary dampers or valves k, by means of which they may be readily closed. An opening m is formed in the eduction-pipe v, and a curved plate p is fitted to slide in ways q on said pipe and close said opening. A bag or receptacle D composed of reticulated fabric, preferably wire, cloth, is suspended within the pipe v, opposite the opening m, by means of a plate t, which rests upon studs w in said pipe, said bag being filled with disinfecting or fumigating material.

In the use of my improvement fresh air is admitted into the blower B through the pipe x, and is forced thereby into the pipe v, whence it may be readily admitted into the rooms by opening the valves k in the branch pipes h. Any suitable disinfectant may be employed in the holder D, and the air being forced through the same by the blower becomes thoroughly impregnated therewith. Fumigating material may also be employed and can be readily lighted in the holder through the opening m, the smoke from the burning material being rapidly carried into the rooms by the current of air in the pipe v when the valves k are opened.

It will be understood that the holder D can be readily removed through the opening m to be refilled or replaced by another containing fresh material.

Having thus explained my invention, what I claim is—

1. In a ventilator, the combination of a rotary blower provided with an induction-pipe for supplying fresh air thereto, an eduction-pipe connecting said blower with different stories of the building, said eduction-pipe being provided with a side opening and with a door for closing said opening, branch pipes leading from the eduction-pipe into the different rooms of the building and provided with mouth-pieces having valves for closing the same, and a receptacle detachably disposed in said eduction-pipe opposite said opening, and adapted to contain disinfecting material for impregnating the air as it

passes through said pipe, substantially as set forth.

2. The eduction-pipe *v*, provided with the opening *m*, door *p*, and studs *w*, in combination with the reticulated holder *D*, adapted
5 to contain disinfecting material and provided with the plate *t*, and adjunctive mechanism

for forcing air through said pipe, substantially as described.

WILLIAM Y. OBER.

Witnesses:

E. M. SPINNEY,
O. M. SHAW.