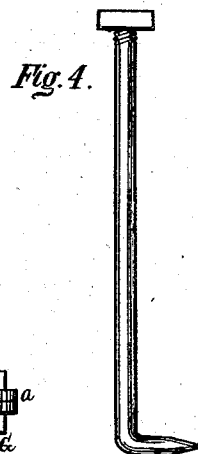
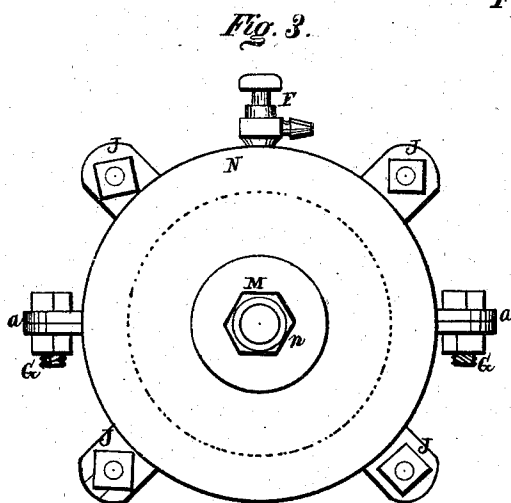
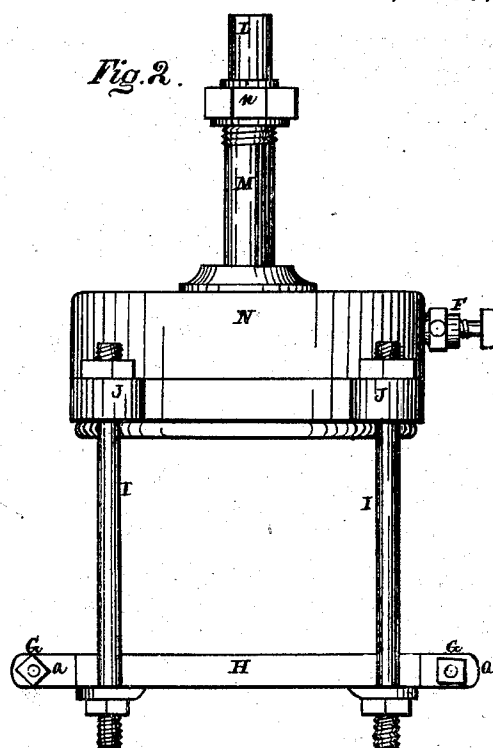
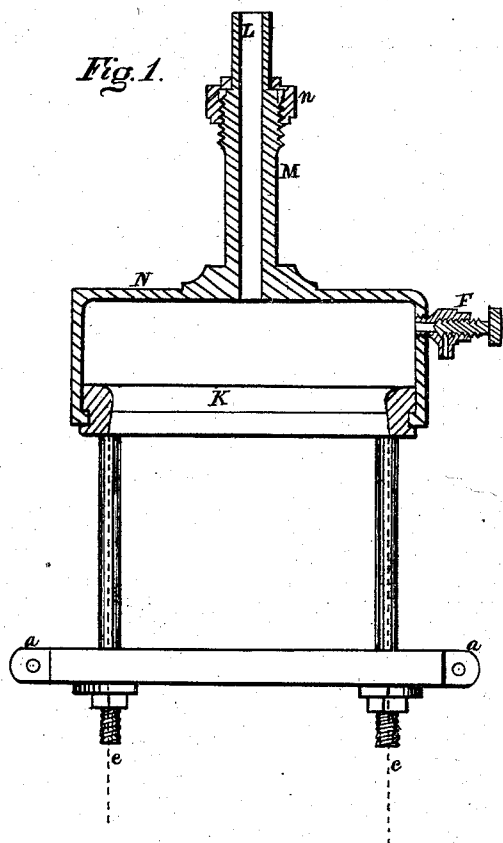


**J. HUNTINGTON.**  
**DEVICE FOR IMPREGNATING TIMBER WITH ANTISEPTIC FLUID.**  
 No. 171,136.      Patented Dec. 14, 1875.



*Witnesses*  
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# UNITED STATES PATENT OFFICE.

JOHN HUNTINGTON, OF CLEVELAND, OHIO.

## IMPROVEMENT IN DEVICES FOR IMPREGNATING TIMBER WITH ANTISEPTIC FLUIDS.

Specification forming part of Letters Patent No. **171,136**, dated December 14, 1875; application filed December 7, 1875.

### CASE B.

*To all whom it may concern:*

Be it known that I, J. HUNTINGTON, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Device for Impregnating Timber with Antiseptic Fluids, &c., of which the following is a description, reference being had to the accompanying drawings making a part of this specification, in which—

Figure 1 is a transverse section of the apparatus. Fig. 2 is a side view. Fig. 3 is a plan view. Fig. 4 is a detached section.

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

The nature of this invention relates to the impregnation of timber with antiseptic fluid and other chemical agents; and the object of the invention is to facilitate the process of charging the timber with antiseptic agents by means of a certain apparatus, the construction and operation of which are as follows:

In the drawing, N represents a metallic cap, in the crown of which is inserted an induction-pipe, M, communicating with the inside of the cap, and to which may be attached a tube, L, by a union-nut, *n*. The inner edge of the cap is lined with a gasket, K, Fig. 1, which may be of rubber or other suitable material. J are lugs projecting from the sides of the cap, and to which are attached draw-rods I, which may be more or less in number; four, however, are shown in the drawing. To the opposite end of said rods is attached a clamping-band, H, consisting of a pair of straps, connected to each other by bolts and nuts G, Fig. 3, passing through the ears *a* of the straps composing the clamping-band.

The practical operation of the above-described apparatus is as follows: The cap N is placed on over the end of a log; said log is indicated by the dotted lines *c*, Fig. 1. The cap

is thereto secured by the clamping-band H, which is put on around the log farther down, so far as the length of the draw-rods I. Instead of the clamping-band and draw-rods, dogging-rods may be used, the pointed ends of which are driven into the sides of the log, thereby dispensing with the clamping-band. A detached view of dogging-rod is shown in Fig. 4.

The fluid to be forced into the timber is introduced into the cap through the tube M, which is driven therefrom into the pores of the timber by a force-pump or other power attached to the said tube M. The gasket lining the inside of the cap will prevent the leakage of the cap, and the clamping-band and draw-rods (or dogging-rods) will hold the cap from being forced from the end of the log or timber during the application of the power used in forcing the antiseptic agents into the wood.

In the event of more than one kind of antiseptic fluid being used for charging the wood, the first having been used, the surplus that may remain in the cap can be drawn therefrom through the cock F, to make room for the succeeding charges of antiseptic agents to be used for impregnating the timber.

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

1. The clamping-band H and draw-rods I, in combination with the cap N and gasket K, substantially in the manner as set forth, and for the purpose specified.

2. The combination of the metallic cap *n* and the internal packing K, secured thereto by a projection or projections, substantially as and for the purpose set forth.

JOHN HUNTINGTON.

Witnesses:

J. H. BURRIDGE,  
E. W. CROSS.