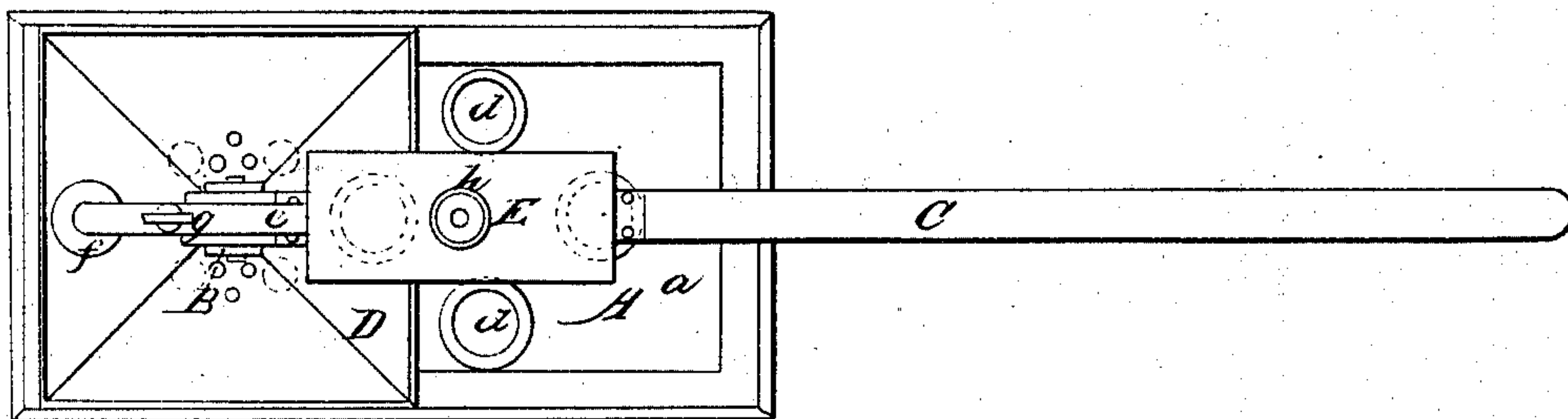
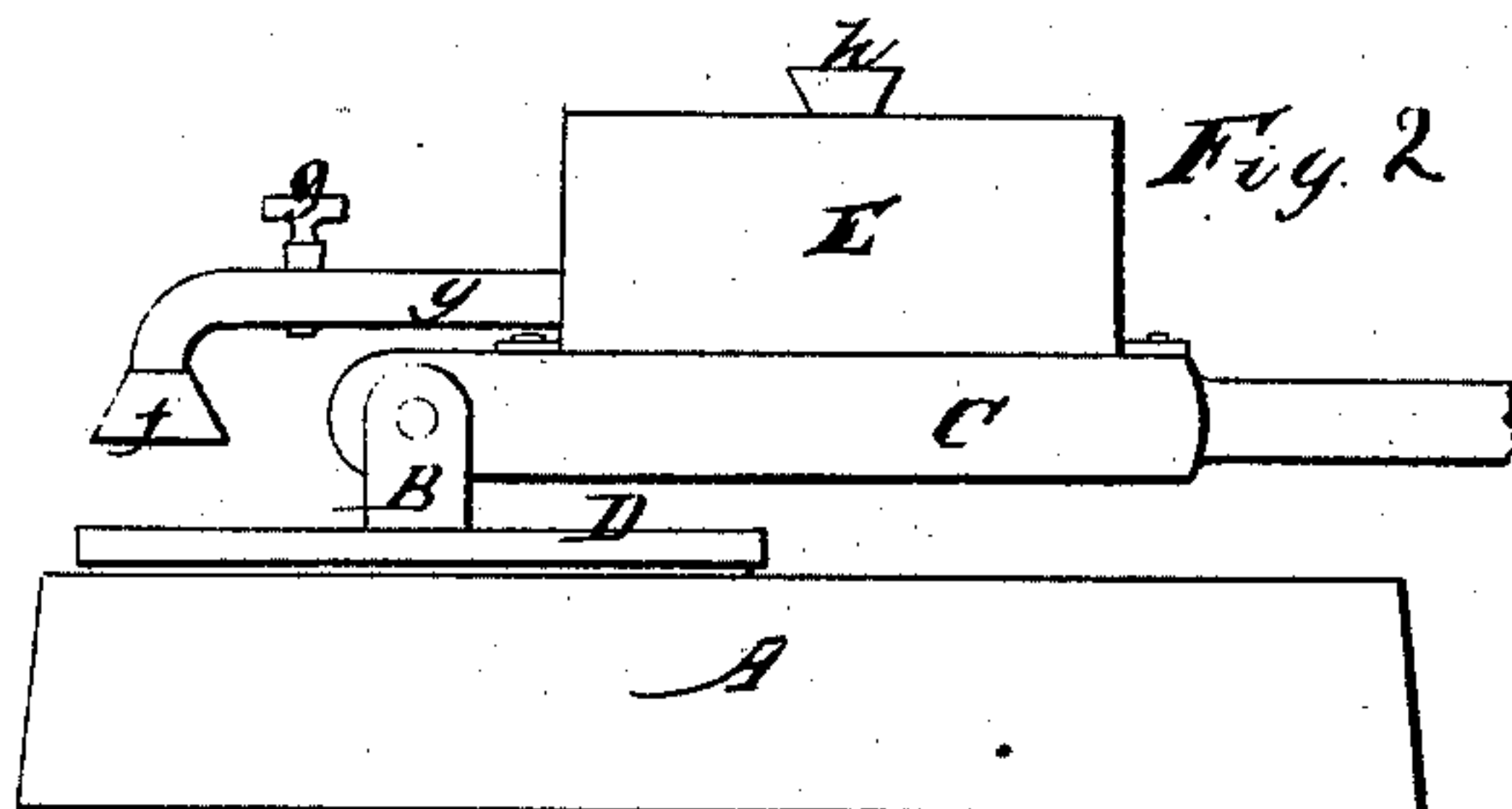


*H. C. Lull,*  
*Scouring Marble.*  
*No 62,142.      Patented Feb. 19, 1867.*

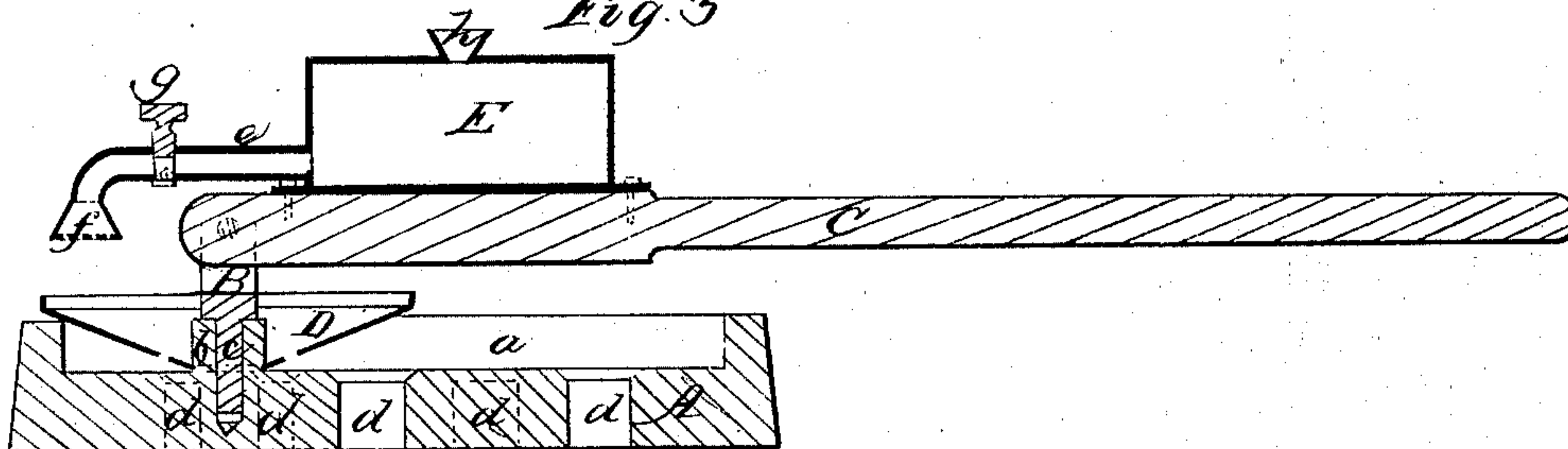
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



*Witnesses*  
*Geo. H. Andrews*  
*A. P. Hale Jr.*

*Inventor*  
*Henry C. Lull*  
*By his attorney*  
*R. Waddy.*

# United States Patent Office.

HENRY C. LULL, OF MONTPELIER, VERMONT.

*Letters Patent No. 62,142, dated February 19, 1867.*

## IMPROVED MACHINE FOR SCOURING MARBLE.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL PERSONS TO WHOM THESE PRESENTS SHALL COME:

Be it known that I, HENRY C. LULL, of Montpelier, in the county of Washington, and State of Vermont, have invented a new and useful Machine or Apparatus for Scouring or Reducing Marble or other stone; and I do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a top view.

Figure 2, a side elevation; and

Figure 3, a longitudinal section of it.

In such drawings, A denotes a heavy block of cast iron, or other proper material, formed with a sand-receiving chamber or space, *a*, in its upper part, and also with a step, *b*, to receive the journal *c*, of a swivel, B, to which a long handle, C, is jointed at one end. From the receiving-chamber *a*, a series of holes, *d d d*, lead down through the block A, and there is placed in the top of the block, and so as to extend down into it, and around the step *b*, a pyramidal tunnel, D, having perforations through it about the said step. There is fixed on the handle C a water-vessel or reservoir, E, from which there extends a pipe, *e*, terminating in a rose jet, *f*, such being arranged with respect to the tunnel D in the manner as represented. There is a stop-cock, *g*, on the pipe *e*, and there is also a small filling tunnel or mouth, *h*, to the vessel E. Preparatory to the machine or apparatus being employed for scouring or reducing a slab or block of marble, the reservoir E should be charged with water, and the space *a* should be supplied with sand or other material to be used in grinding or scouring the surface of the marble. The stop-cock being opened so as to allow the water to flow in sufficient quantities into the tunnel, a workman is to take hold of the handle and move the block A back and forth on the surface to be scoured or reduced, the sand, emery, or material used for abrading the surface, being supplied to the receptacle *a* as fast as may be necessary. The water received into the tunnel will be directed into the space *a*, and will flow therefrom with the grinding or scouring material. When desirable, the tunnel may be employed to hold a finishing material finer than that designed to be used in the part *a*. As the step *b* is arranged nearer to one than the other end of the block A, the operative, by slight changes of the angular position of the handle relatively to the grinder or block A, will find it easy to revolve the said block while moving it back and forth, and thus he can produce movements of the block by which it will be caused to reduce the stone to a plane surface without furrows. The machine or apparatus so made is a very efficient one for the purpose for which it is intended. It may also be used at sea for scouring or cleaning the deck of a vessel, and will also answer on shore for scouring a floor, but it is designed specially for the scouring of marble.

I claim in the said marble scourer the combination of the handle, the troughed block, and the water vessel, constructed, arranged, and applied together, substantially in manner and so as to operate as specified.

I also claim the combination as well as the arrangement of the perforated tunnel, with the troughed block, the handle, and the water vessel, constructed, arranged, and applied together, substantially in manner and so as to operate as specified.

HENRY C. LULL.

Witnesses:

M. B. WALKER,

ORAMEL H. SMITH.