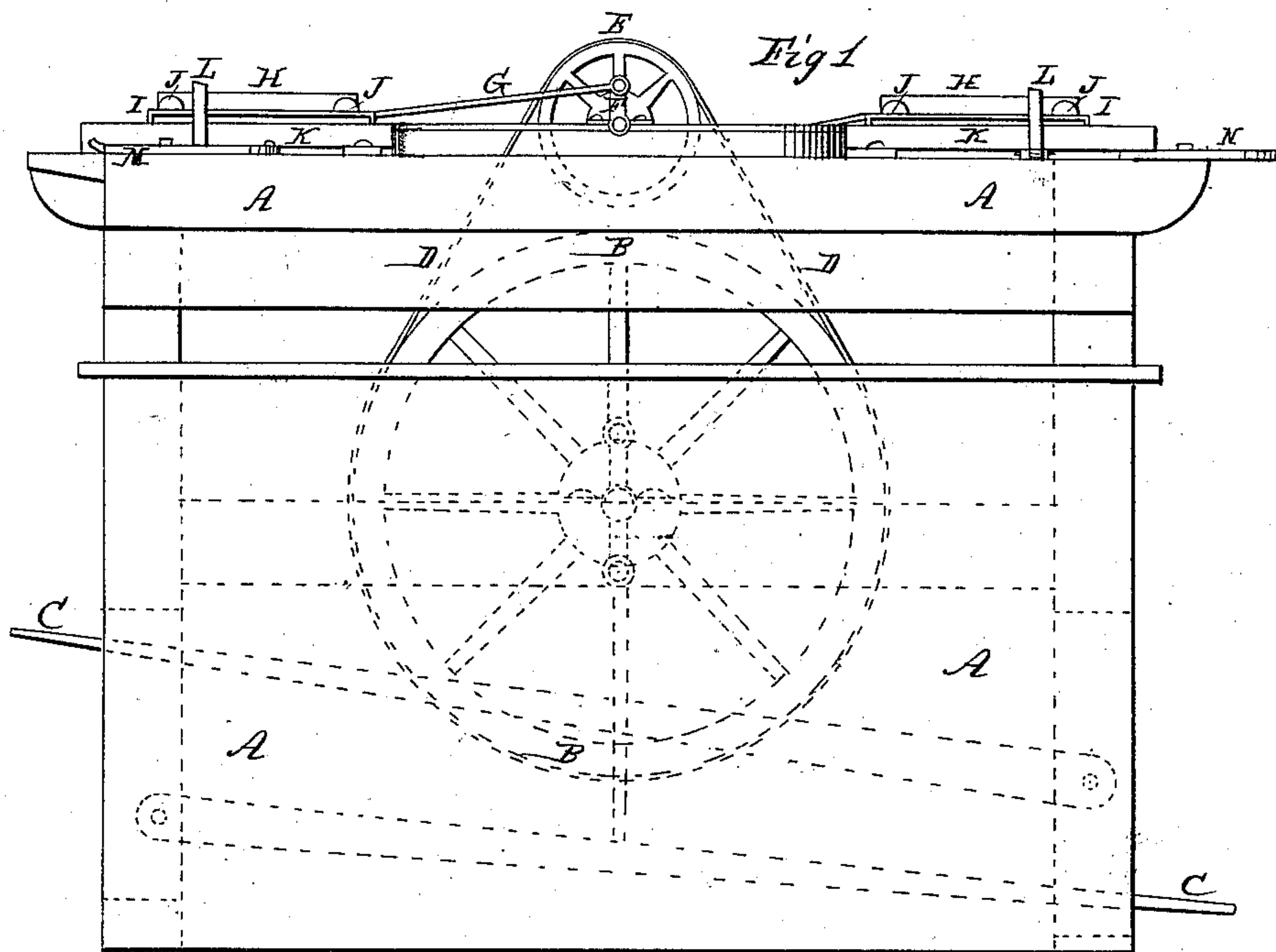


*S. Farrenburg,*

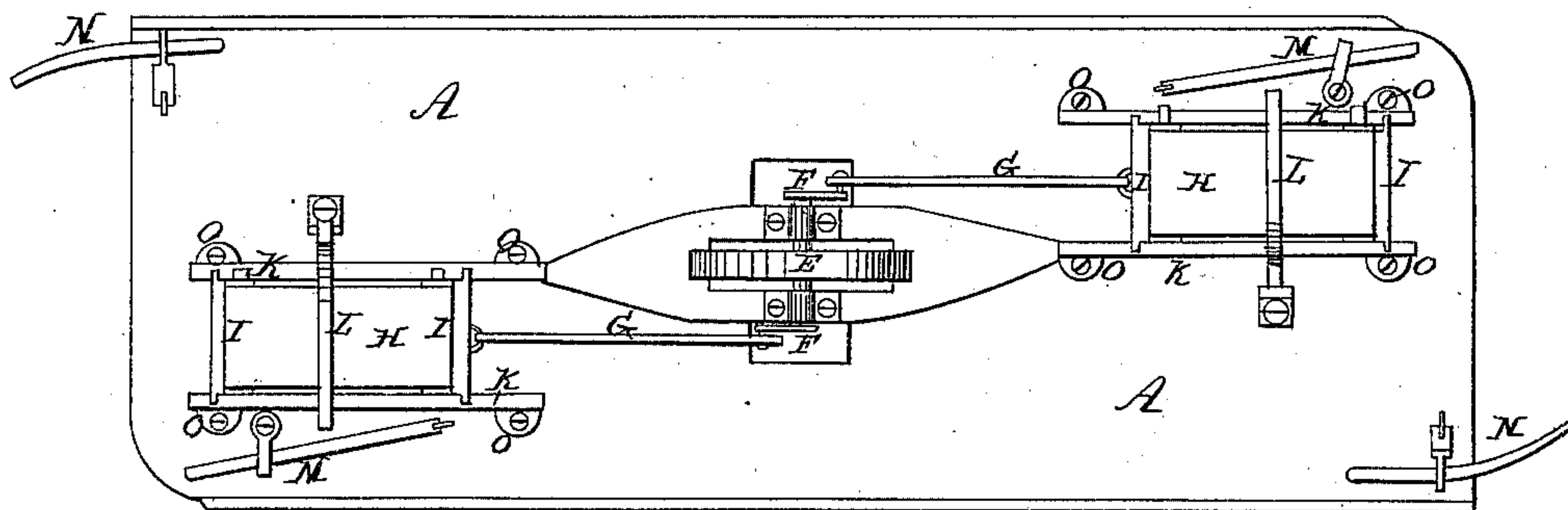
*Edge-Tool Grinder.*

*N<sup>o</sup> 79,818.*

*Patented July 14, 1868.*

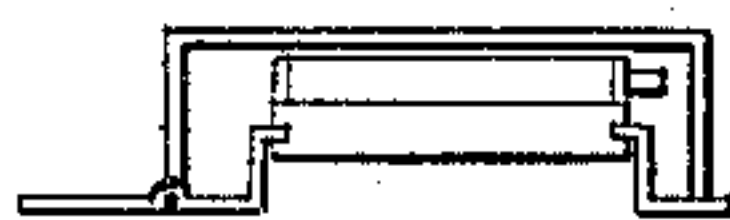


*Fig. 2.*



*Fig. 3.*

*Witnesses,*  
*A. A. Yeatman*  
*Leopold C. G. G.*



*Inventor,*  
*Samuel Farrenburg*  
*per Alexander Mason*  
*Atty.*

# United States Patent Office.

SAMUEL FARRENBURG, OF TAYLORSVILLE, INDIANA.

*Letters Patent No. 79,818, dated July 14, 1868.*

## IMPROVEMENT IN TOOL-SHARPENERS.

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

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, SAMUEL FARRENBURG, of Taylorsville, in the county of Bartholomew, and in the State of Indiana, have invented certain new and useful Improvements in Machine for Sharpening Knives of all kinds, Plane-Bits, Chisels, and Edge-Tools of every description; and do hereby declare that the following is a full, clear, and exact description thereof, reference being made to the accompanying drawings, and to the letters of reference marked thereon.

In the annexed drawings, forming part of this specification—

Figure 1 is a side view of the machine, and

Figure 2, as seen from the top.

A represents a wooden box or frame, four feet long and two feet six inches high. In the centre of this frame is a large wheel, B, two feet in diameter, which is run by a treadle, C, at either end of the machine. It can be worked by one person, or two may work at the same time.

A leather band, D, runs over the outer rim of the large wheel B, and over a small wheel, E, at the top of the machine. Through this small wheel E the force communicated from the large wheel B is applied to run the stones H H, for the sharpening of the tools, by means of a crank, F, and pitman-rods G G, which are attached to the slides I I, on which the stones H H rest.

The stones are fastened to the slides by two screws, J J, on each side.

The movement of the crank F and pitman-rods G G gives to the stones a horizontal motion when sliding backwards and forwards on the metal plates K K, which are fastened to the top of the machine by screws O O.

Over the stones H H is placed a rod or slab, L, on which the tool to be sharpened rests. This rest is adjustable, by means of a binder, M, to suit any tool that may require sharpening.

There is also attached to the side of the machine a rest, N, against which one may lean when standing on one foot working the machine. This rest is movable.

The machine can be made with but one treadle, one crank, and one stone, in which case its length is only three feet. The diameter of the small wheel, E, is six inches.

Having thus fully described my invention, what I desire to secure by Letters Patent, is—

1. The arrangement of the wheel E, cranks F F, pitmen G G, stones H H, slides I I, rests L L, and binders M M, upon the table A, and operating as set forth.

2. The adjustable rest L and binder M, for supporting the tool to be sharpened, substantially as and for the purposes above set forth.

3. The rest N, against which the person working the machine may lean, substantially as and for the purposes above set forth.

In testimony that I claim the foregoing, I have hereunto set my hand, this 1st day of April, 1868.

SAMUEL FARRENBURG.

Witnesses:

N. B. BERRYMAN,

F. G. BLEDSOE.