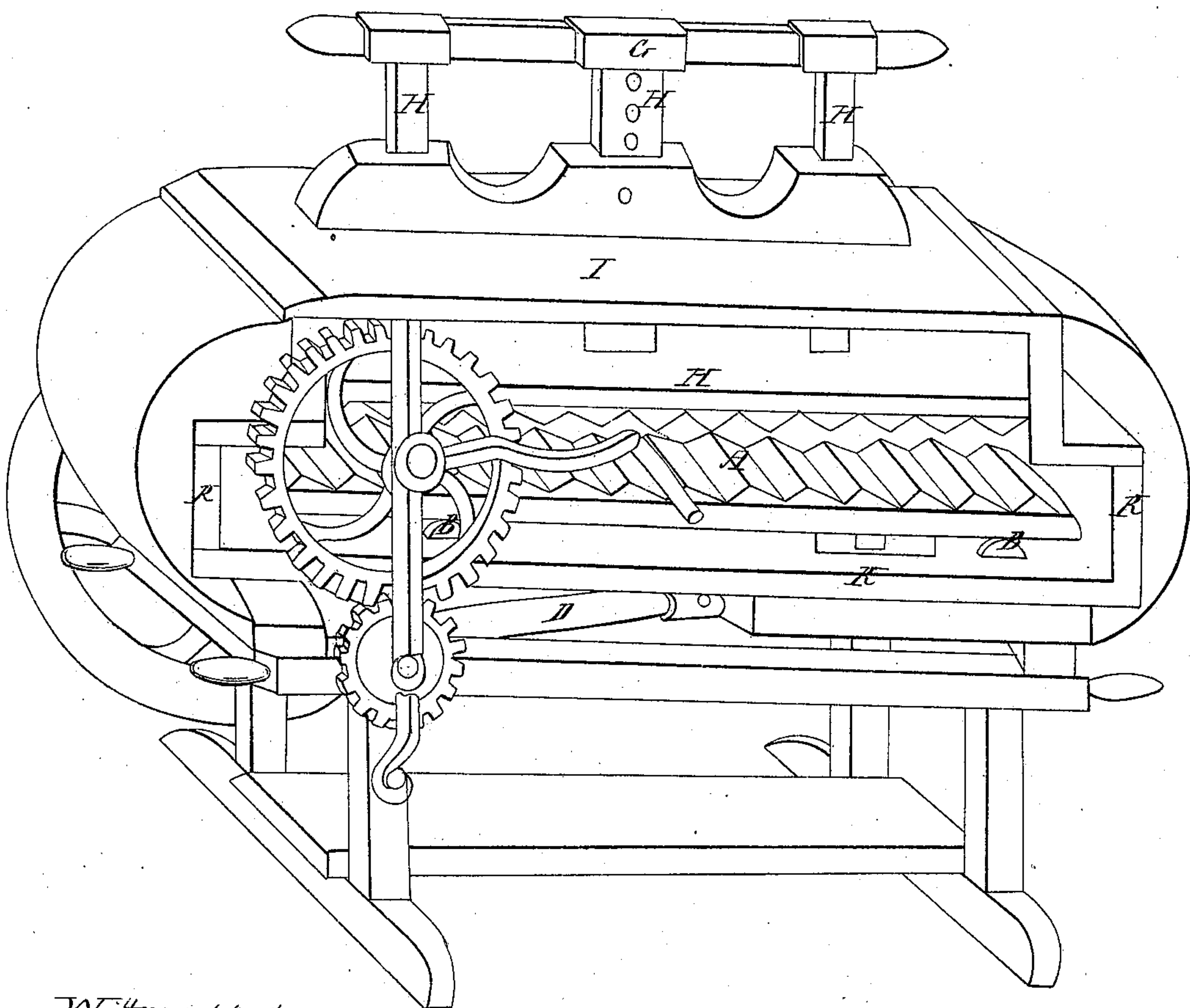
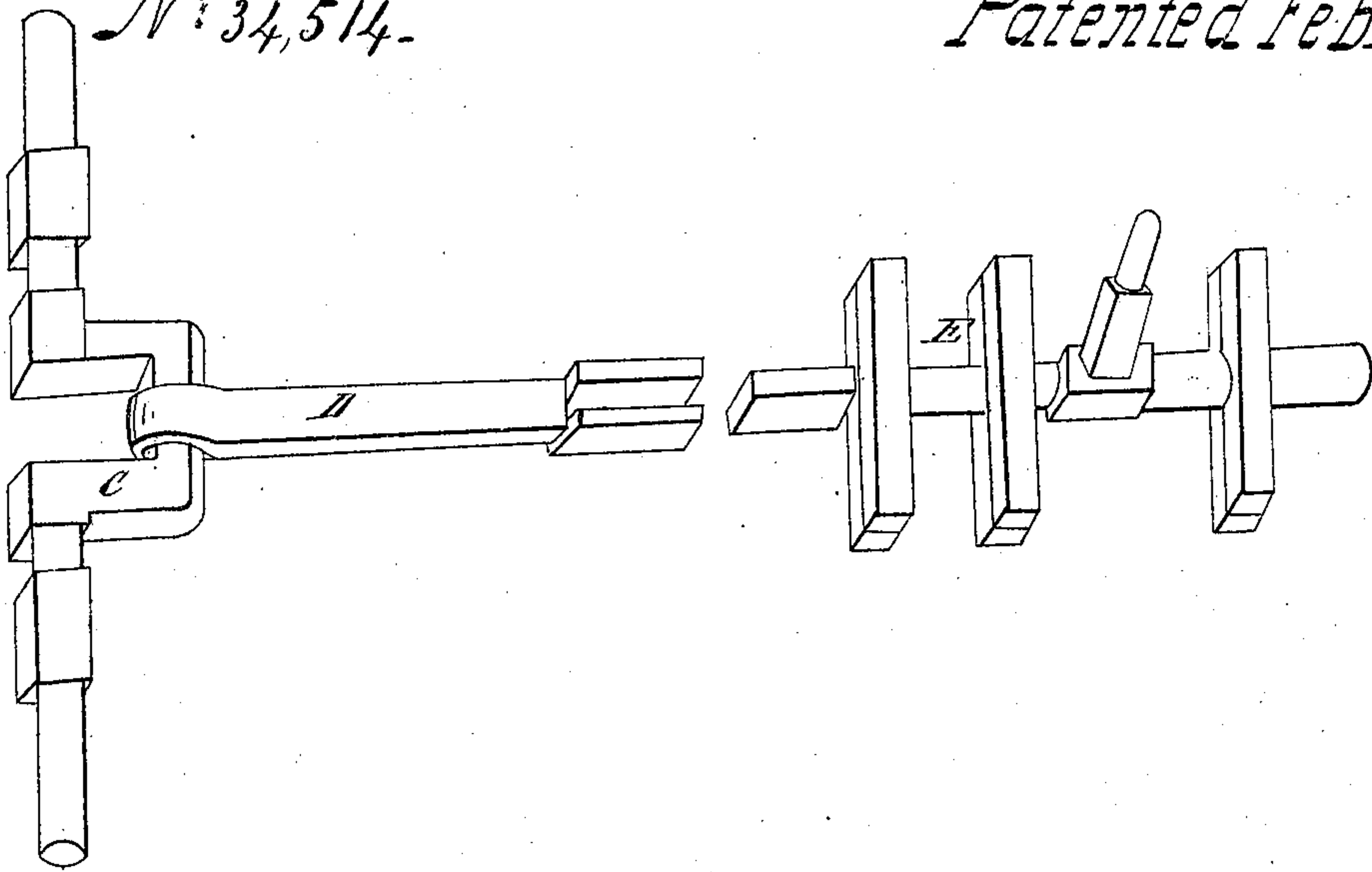


*I. M<sup>c</sup> Daniel,*  
*Washing Machine.*

*N<sup>o</sup> 34,514-*

*Patented Feb. 25, 1862.*



*Witnesses.*  
*Henry Comer*  
*Calvin Cooper*

*Inventor*  
*Ira M<sup>c</sup> Daniel*

# UNITED STATES PATENT OFFICE.

IRA MCDANIEL, OF SALEM, IOWA.

## IMPROVED WASHING-MACHINE.

Specification forming part of Letters Patent No. 34,514, dated February 25, 1862.

*To all whom it may concern:*

Be it known that I, IRA MCDANIEL, of the town of Salem, in the county of Henry and State of Iowa, have invented a new and Improved Machine for Washing Clothes; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and the letters of reference marked thereon.

The nature of my invention consists in giving the vibratory or backward and forward motion of the lower section of the wash-board A, resting on four rollers or wheels B B, by the application of the crank C, shaft D, and attachments E to said section, giving the said motion by means of cog or band wheels, substantially in the manner set forth. The lower section A of the wash-board is corrugated transversely of its length, and the upper section F is corrugated in the same way and at-

tached to the lid of the tub. These two wash-boards are placed within a suitable box or tub H, of rectangular form, for holding the water and the clothes to be washed. The upper section F of the wash-board can be elevated or depressed by means of a handle G and rods H, passing through mortises in the lid I, and the pressure upon the clothes regulated at the pleasure of the operator.

What I claim as my invention is—

The application of the crank C and shaft D to the lower section of the wash-board A, giving it the vibratory motion in the rectangular tub R, all arranged and operating substantially as and for the purpose specified.

IRA MCDANIEL.

Witnesses:

JOSEPH REEDER.

JABEZ COMER.