

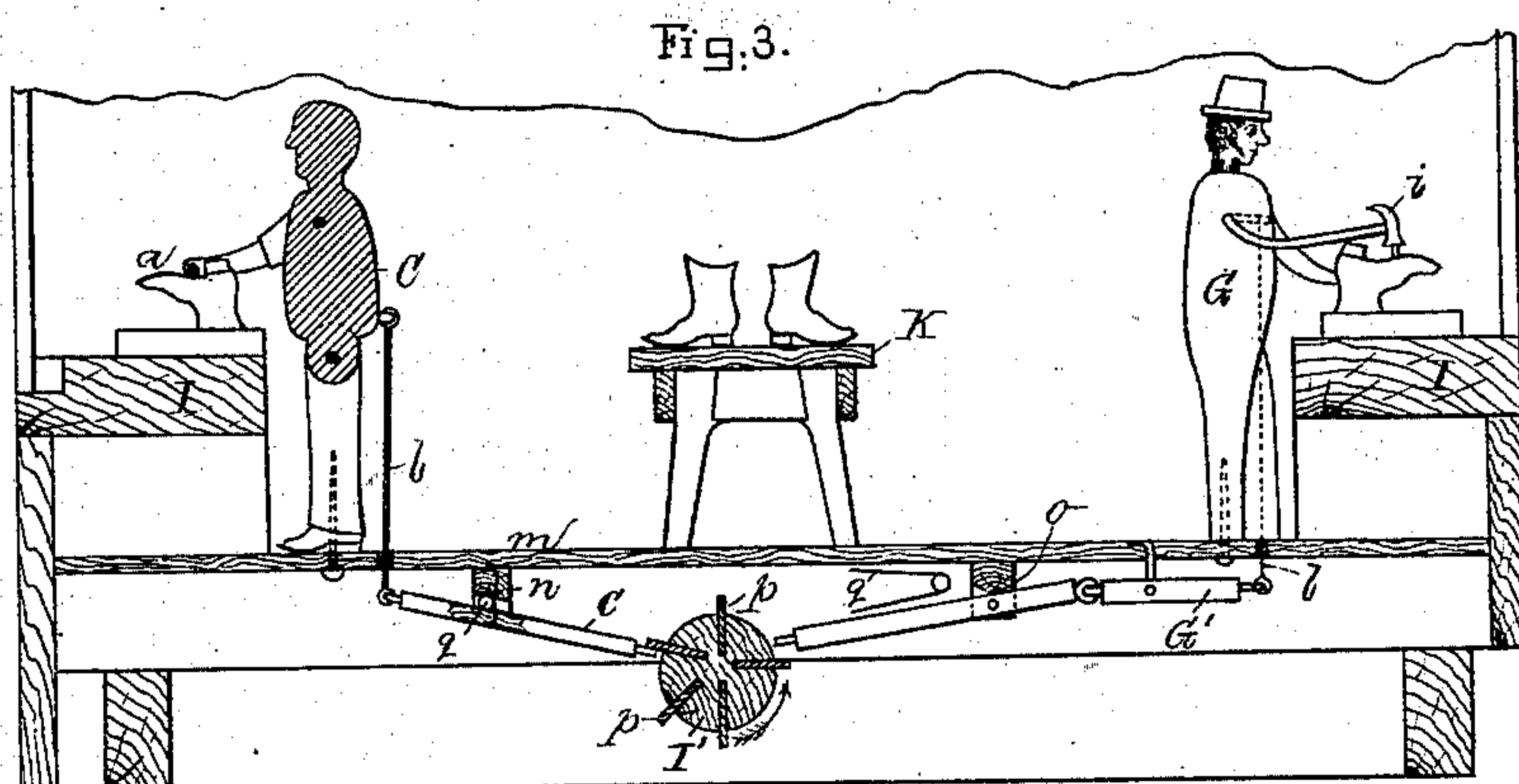
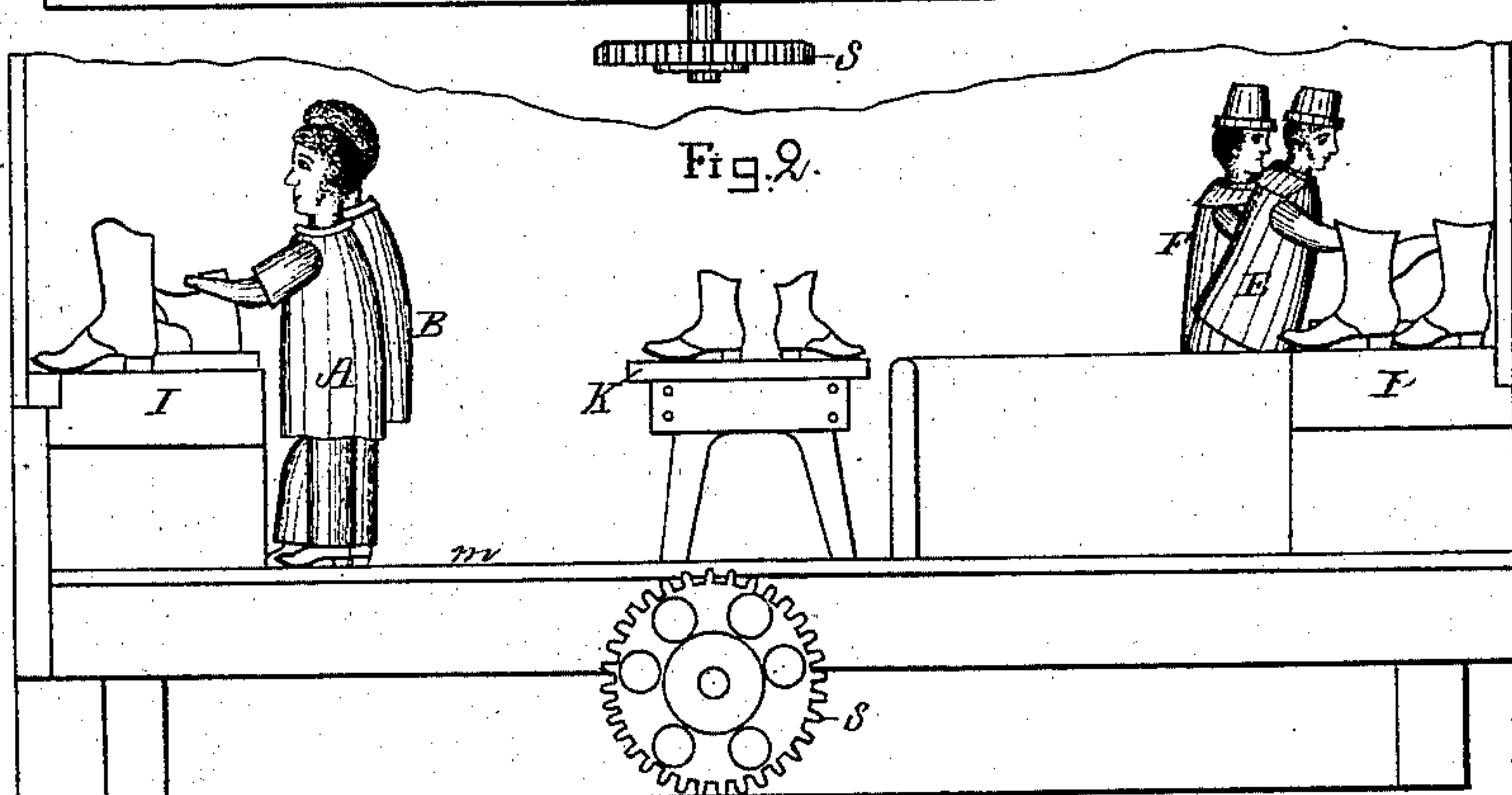
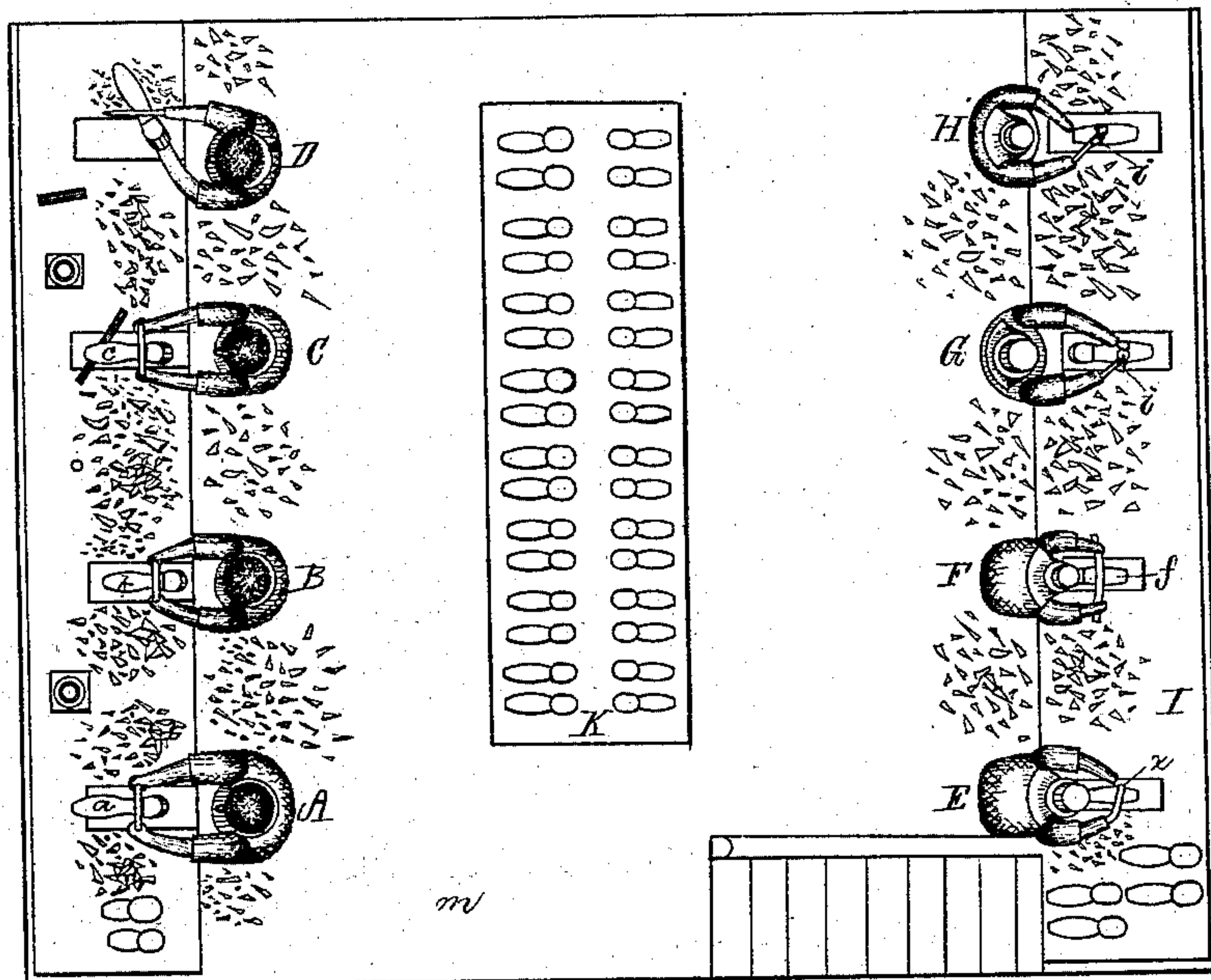
R. G. SHUTE.

ANDROIDES OR AUTOMATON SHOE FACTORY.

No. 284,338.

Patented Sept. 4, 1883.

Fig. 1.



Witnesses.

S. N. Piper
E. D. Pratt

Inventor.

Richard Gardner Shute
by *R. W. Ledy* atty.

(No Model.)

2 Sheets—Sheet 2.

R. G. SHUTE.

ANDROIDES OR AUTOMATON SHOE FACTORY.

No. 284,338.

Patented Sept. 4, 1883.

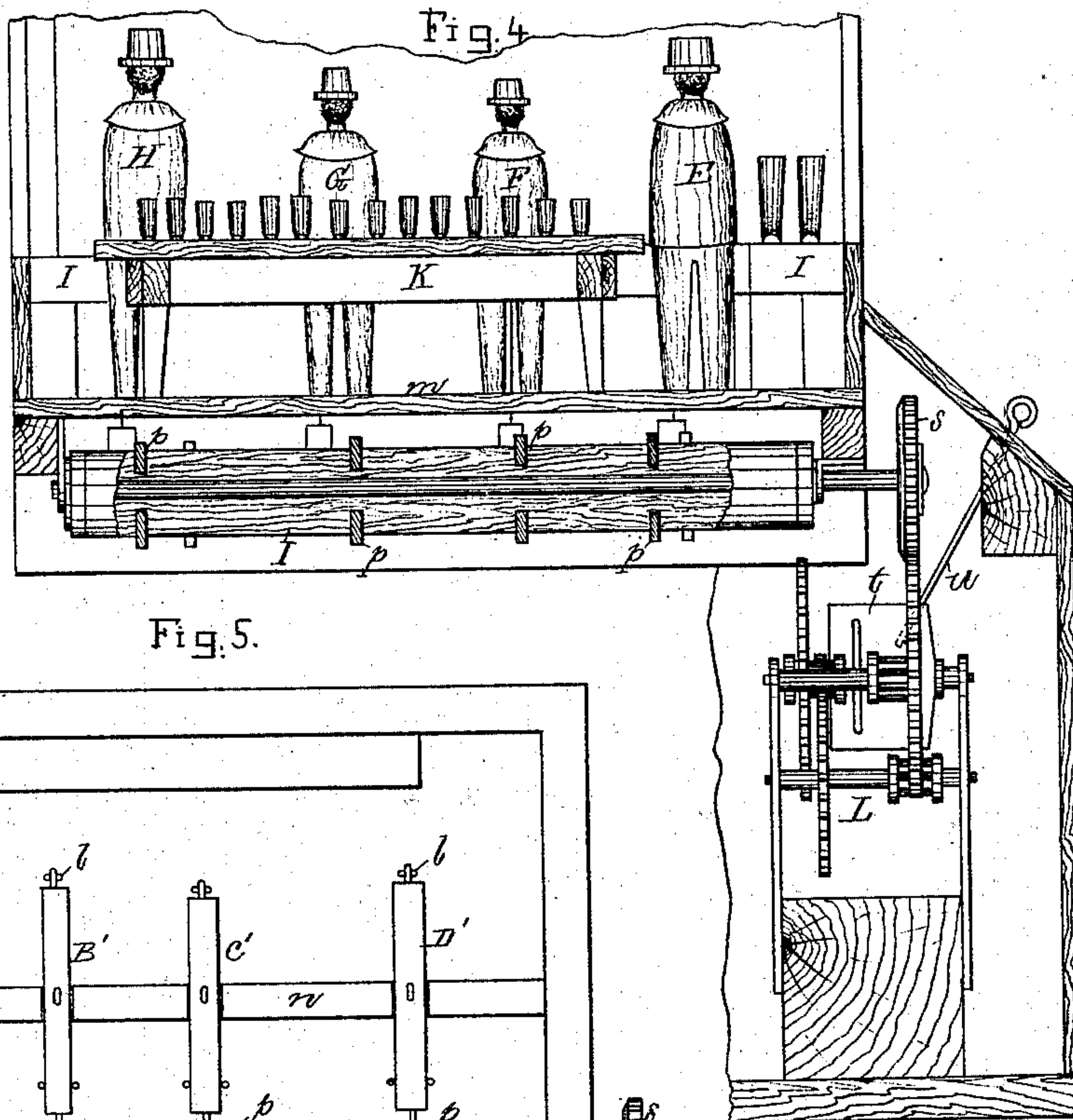


Fig. 5.

Fig:7.

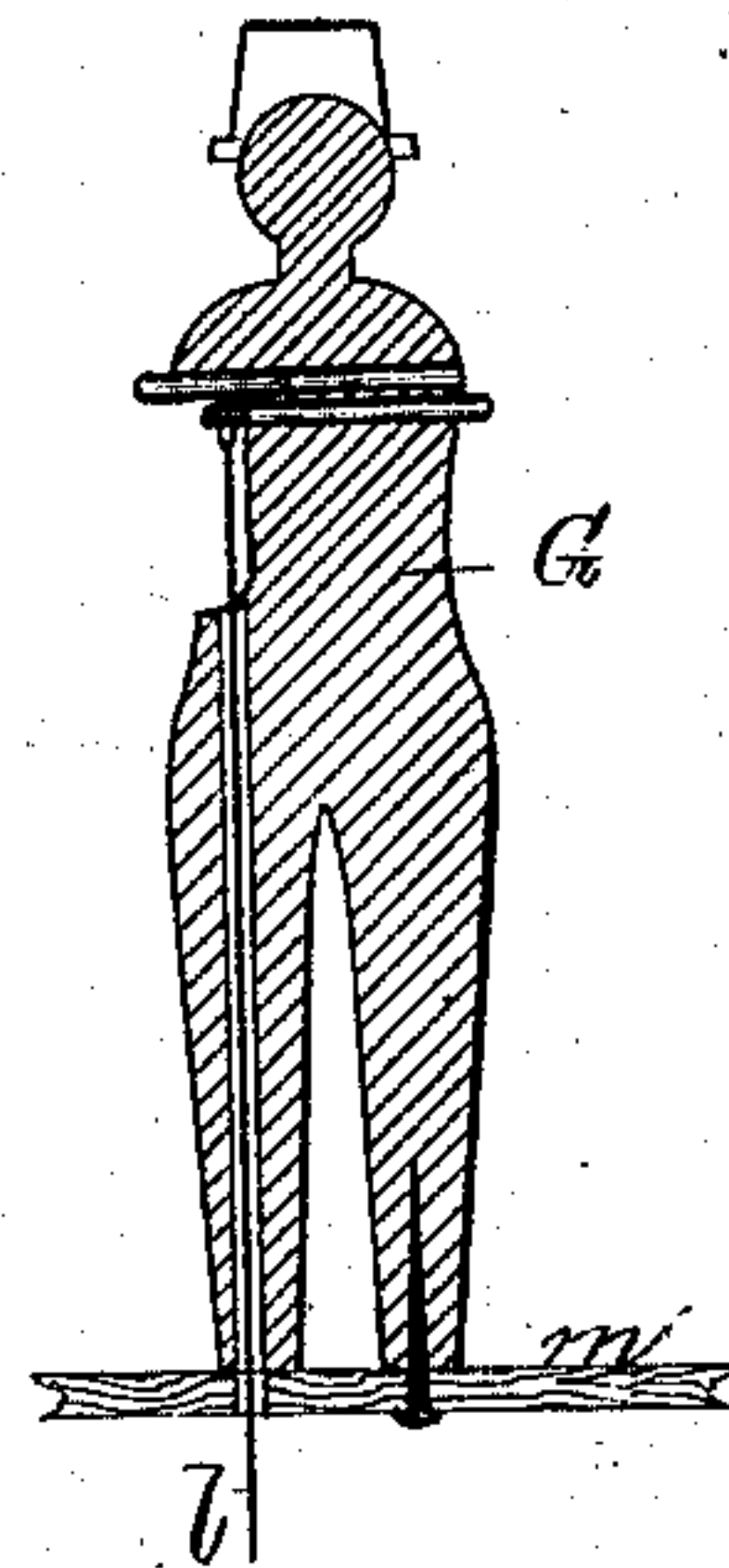
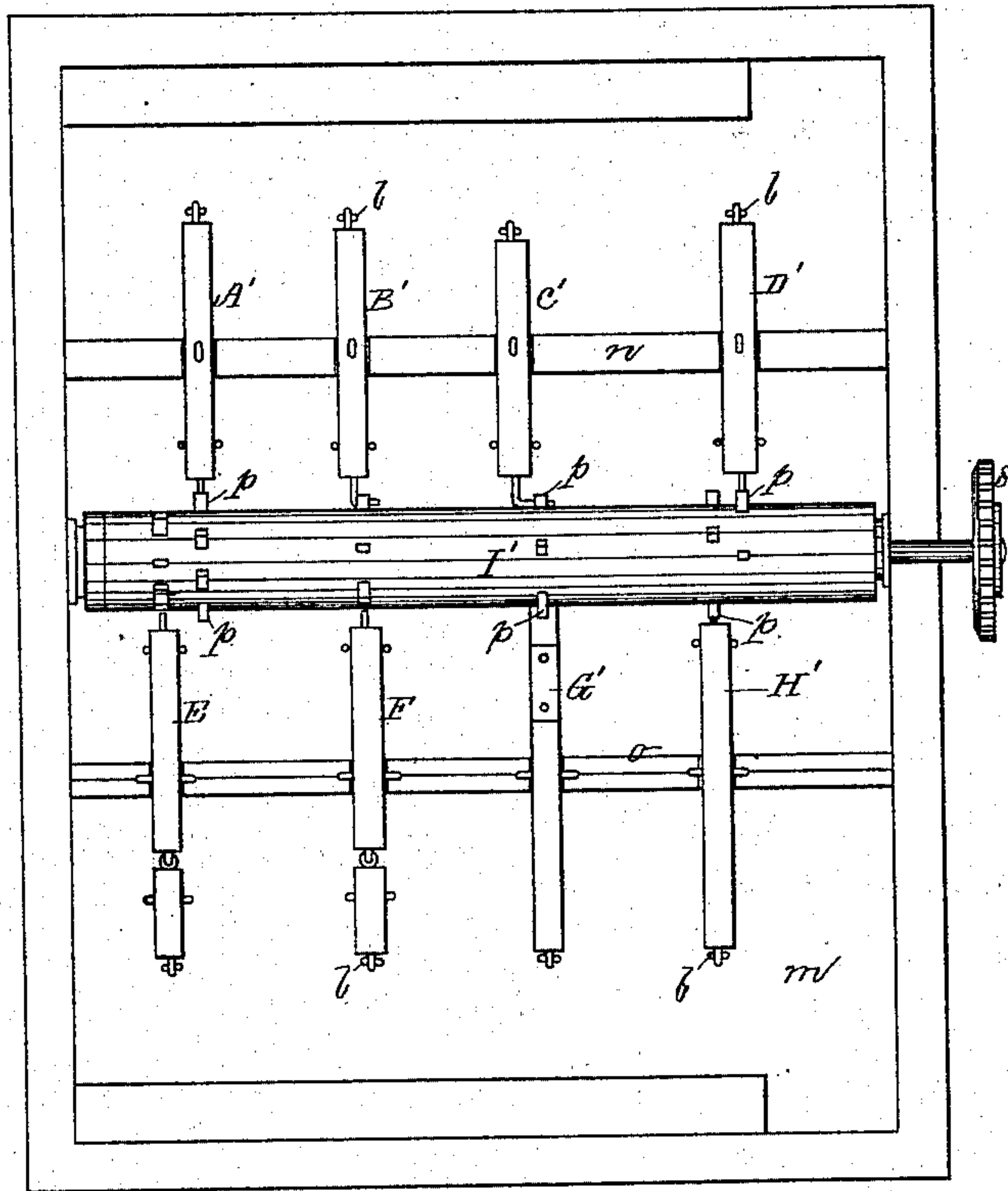
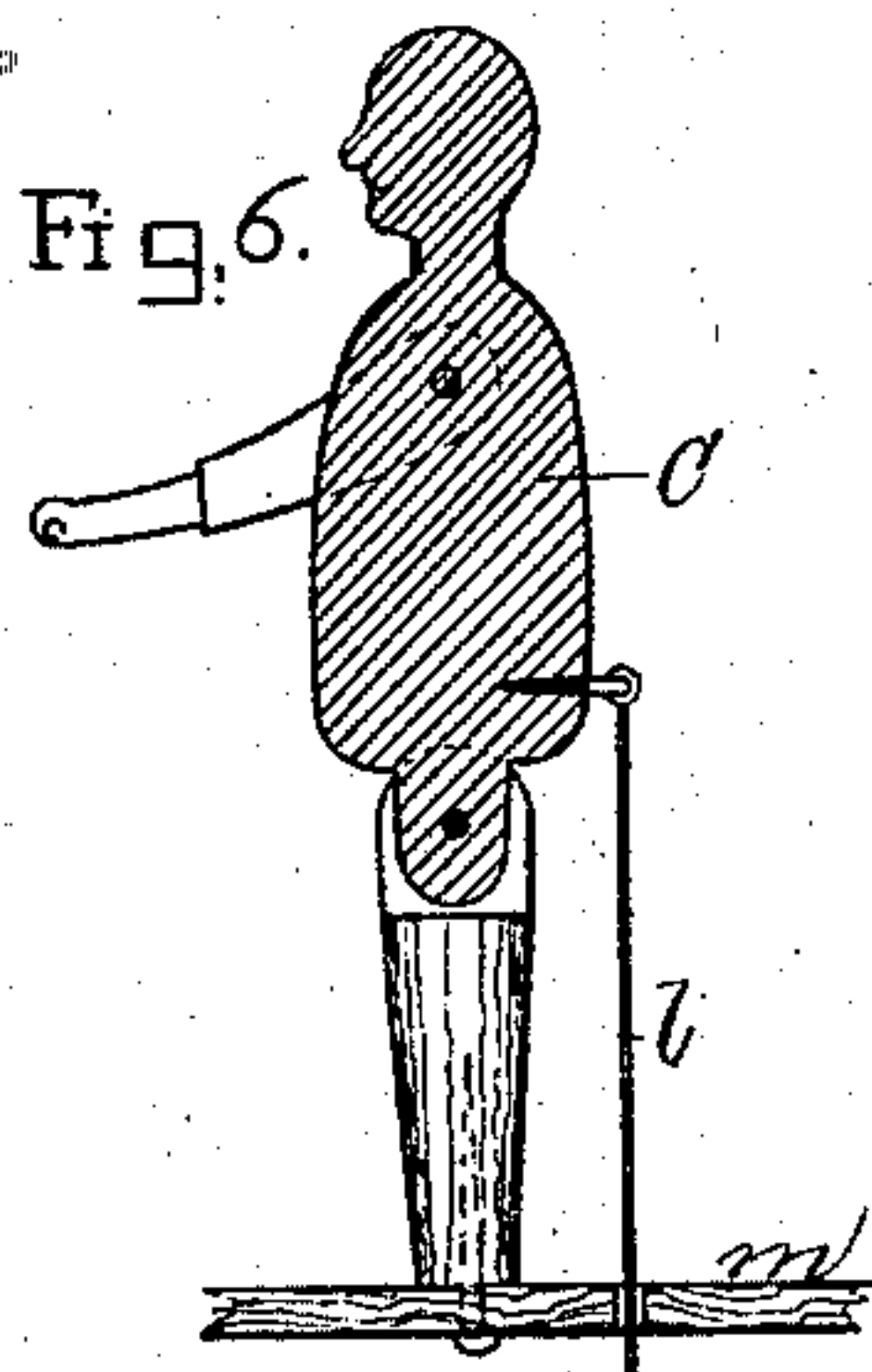


Fig. 6.



Witnesses.

S. V. Piper.
E. B. Pratt

Inventor

Richard Gardner Shute.

by R. H. Sedy att'y.

UNITED STATES PATENT OFFICE.

RICHARD GARDNER SHUTE, OF EDGARTOWN, MASSACHUSETTS.

ANDROIDES OR AUTOMATON SHOE-FACTORY.

SPECIFICATION forming part of Letters Patent No. 284,338, dated September 4, 1883.

Application filed August 1, 1883. (No model.)

To all whom it may concern:

Be it known that I, RICHARD GARDNER SHUTE, of Edgartown, in the county of Dukes, of the Commonwealth of Massachusetts, have
5 invented a new and useful Improvement in Androides or Automaton Shoe-Factories; and I do hereby declare the same to be described in the following specification, and represented in the accompanying drawings, of which—

10 Figure 1 is a top view; Fig. 2, a rear elevation; Figs. 3 and 4 transverse sections of two views of androides, and their operative mechanism constituting my invention, such androides representing the shoe-factory operatives at
15 work at their benches. Fig. 5 is an under side view of the toothed shaft and the levers for operating the androides. Fig. 6 is a vertical section of one of the body-moving androides, and the mechanism connecting its
20 body with its working-lever. Fig. 7 is a vertical section of one of the arm-moving androides, and the mechanism connecting its arm with its operative lever.

There are four of the androides in each series, those of one series being marked A, B, C, and D, and those of the other E, F, G, and H. The three, A, B, and C, of the first series, and one, F, of the second are represented as engaged in buffing the soles *a*, *b*, *c*, and *f*, their
30 arms being simply pivoted to their bodies, which are pivoted to their legs, so as to be capable of vibrating toward and from the shoes. Each of the remaining androides—viz., those marked E, G, and H—has one arm piv-
35 oted to the body at the shoulder, so as to be movable up and down, such arm being represented as holding a hammer, *i*, or a file or other tool, *x*, over a shoe. Each series of the androides has a bench, I, in front of it, and be-
40 tween them is a table, K, having shoes upon it. The invention is not limited to the exact number mentioned of androides to each series, as it may be composed of a greater or less number of them. From the movable part of
45 each android a rod, *z*, is jointed and extends down through the floor or base *m*, on which the two series are arranged. At its lesser end

the said rod is jointed to the outer arm of one of a set of levers. Beneath the floor or base, and fulcrumed to bars *n o* extending across it, 50 are two sets of levers, A' B' C' D', and E' F' G' H', between which is a shaft or barrel, I', provided with teeth *p* to act against and move such levers at proper times, while such shaft or barrel may be revolved. Each lever is fur- 55 nished with a spring, *q*, to move it in the direction opposite to that in which it may be moved by the toothed shaft. To some of the androides there may be two working-levers to each, the levers of the pair having their lesser 60 arms jointed together. On one end of the rotary shaft or barrel is the gear *s* of a clock-movement or train, L, whose retarding-fly is shown at *t*. A rod to slide into and out of the path of the fly is shown at *u*. By moving or 65 sliding the said rod down into such path the fly by it may be stopped from revolving, it being caused to revolve by the power of the actuating-spring of the train, when such spring is wound up or contracted. The train on being 70 set in movement, will cause the toothed barrel or shaft to revolve and put in motion in the order required, the movable part of each figure or android. The sets of automata will thus be made to appear to be at work, like 75 the operatives of a shoe-factory.

I claim—

1. The combination of the toothed barrel or shaft, the two sets of levers, their operative springs, and the two series of androides, as de- 80 scribed, having a part of each android movable and connected with one of the levers, so as to be movable thereby, as explained.

2. The combination of the clock-movement and its stopping-slide, with the toothed shaft 85 or barrel, the two series of levers, their operative springs, and the two series of androides having a part of each android movable and connected with one of the levers, so as to be movable thereby, as set forth.

RICHARD GARDNER SHUTE.

Witnesses:

R. H. EDDY,
E. B. PRATT.