A. GARTNER.

TOY BOOT-BLACK.

No. 192,689. Patented July 3, 1877.

Fig. 1.



Fig. 2.

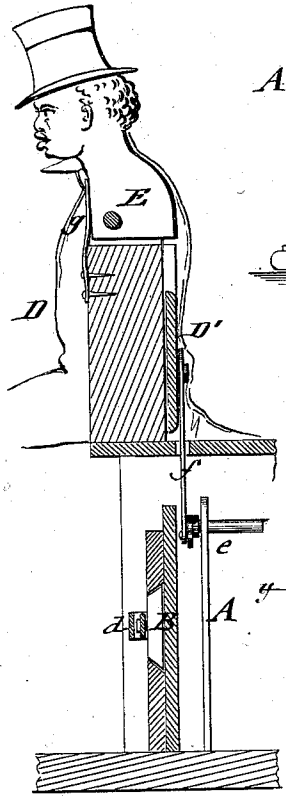


Fig. 3.

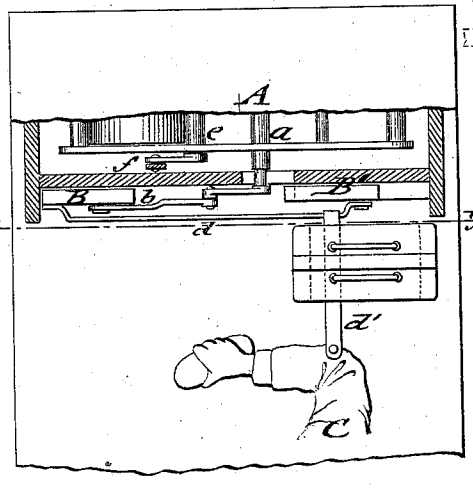
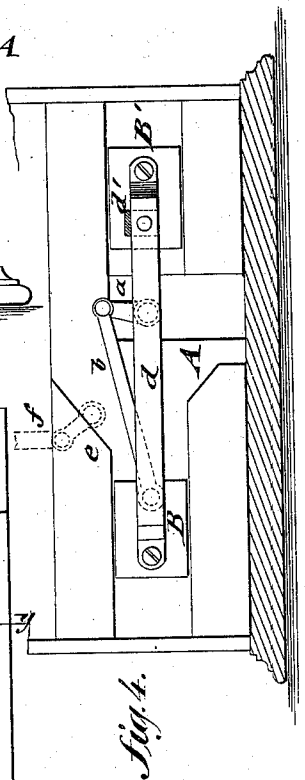


Fig. 4.



WITNESSES:

Gustave Dittenh

J. H. Scarborough Jr.

INVENTOR:

A. Gartner.

BY Munn & Co

ATTORNEYS.

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

ADOLPH GARTNER, OF NEW YORK, N. Y., ASSIGNOR TO HIMSELF AND LOUIS GOMPPER, OF SAME PLACE.

IMPROVEMENT IN TOY BOOT-BLACKS.

Specification forming part of Letters Patent No. **192,689**, dated July 3, 1877; application filed May 12, 1877.

To all whom it may concern:

Be it known that I, ADOLPH GARTNER, of the city, county, and State of New York, have invented a new and Improved Toy Boot-Black, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a front view of my improved toy boot-black; Fig. 2, a vertical transverse section of the same on line *x x*, Fig. 1; Fig. 3, a horizontal section; and Fig. 4, a detail front view of the operating parts in section on line *y y*, Fig. 3.

Similar letters of reference indicate corresponding parts.

The invention has reference to that class of toys in which figures perform certain movements by the action of a clock-train; and it consists of toy figures which are worked by a clock-train, so that the arm of one is operated by a horizontally-reciprocating slide-piece, and the head of the other by a vertically-reciprocating slide-piece, forming contact with the pivoted and spring-acted neck portion of the figure.

In the drawing, A represents a clock-train, of any approved construction, which imparts, by a crank-shaft, *a*, and pivoted link *b*, motion to a horizontally-guided slide-piece, B, so as to reciprocate the same at each revolution of the crank-shaft. The slide-piece B is connected, by a fixed arm, *d*, with a second slide-piece, B′, moving in the same guides of the inclosing-box of the clock-train as the slide-piece B. A second rigid arm, *d′*, extends forward at right angles from the connecting-arm *d*, and is attached to the swinging arm of a toy figure, C, representing a boot-black. The rod *d′* is covered, to be out of sight, by the carpet-bag or other device belonging to a second toy figure, D, which, by preference, is supposed to be a gentleman of color. The toy figure D enjoys the reading of a newspaper while the process of blacking is going on, it moving pensively its head while reading. The motion of the head is accomplished by a second and slower revolving crank-shaft, *e*, of the clock-train A, that connects, by a pivot-link, *f*, with a vertically guided and reciprocated slide-piece, D′, which comes in contact with the hinged neck portion E of figure D, so as to force the same forward, a band or other spring, *g*, carrying the neck portion back at the instant when the slide-piece is withdrawn. Thus, a slow and meditative motion of the head of the main figure takes place simultaneously with the polishing of the boots by the boot-black at the feet, forming thus a neat and amusing toy for children.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A toy boot-black having the crank-shaft of a clock-train, a horizontally guided and reciprocated slide-piece, B, and a fixed arm, *d′*, extending at right angles from the slide-piece, in combination with the swinging arm of a figure, C, substantially as set forth.

2. A toy boot-black having the combination of a crank-shaft, *e*, of a clock-train, a vertically guided and reciprocated slide-piece, D′, and a hinged and spring-acted neck portion, E, of the toy figure D, to impart intermittent motion to the head of the figure, substantially as specified.

ADOLPH GARTNER.

Witnesses:
PAUL GOEPEL,
C. SEDGWICK.