(No Model.)

F. BARTENSTEIN.

DOLL HEAD.

No. 243,752. Patented July 5, 1881.

Fig. 1.

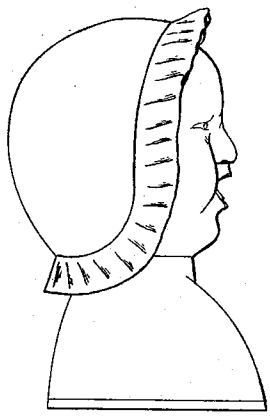


Fig. 2.

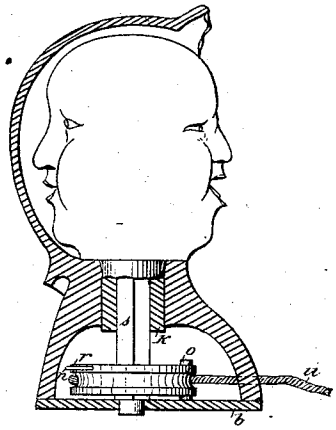
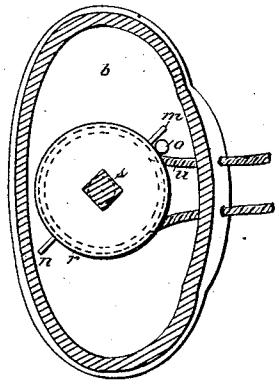


Fig. 3



Witnesses.
Alf. Helmuth.
Henry Gehrig

Inventor:
Fritz Bartenstein
by Bakewell & Baldwin
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N. PETERS, Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

FRITZ BARTENSTEIN, OF HÜTTENSTEINACH, GERMANY.

DOLL-HEAD.

SPECIFICATION forming part of Letters Patent No. 243,752, dated July 5, 1881.

Application filed October 28, 1880. (No model.)

To all whom it may concern:

Be it known that I, FRITZ BARTENSTEIN, of Hüttensteinach, Germany, have invented a Doll-Head with Movable Double Face, of which the following is a specification.

My invention consists in a movable doll-head having two faces of different expression and being partly covered with a hood, in which it can be turned horizontally, so as to show either of the two faces while the other is hidden.

In the accompanying drawings, which illustrate my invention, Figure 1 is a side view, and Fig. 2 a vertical section, of the upper part of a doll having a laughing face and a weeping face, while Fig. 3 is a horizontal section, showing the mechanism for turning the head of the doll.

The hood, joined to the neck of the doll, covers the laughing face, and the head has a pivot, *k*, which can be turned in the body of the doll by pulling one end of the string *u*, which passes over a grooved pulley, *r*. This pulley is mounted on a prismatic spindle, *s*, guided at the bottom by a plate, *h*, and passing with its top into the pivot *k*. Two stop-pins, *m* and *n*, are attached to the circumference of the pulley, and another stop-pin, *m*, projects upward from the base-plate *h*, so as to prevent the pulley from making more than one-half of a revolution, by coming into contact with one of the stop-pins *m* or *n*. Two openings are provided in the body of the doll for the passage of the string *u*. By rapidly turning the head one hundred and eighty degrees one can produce a surprising illusion in consequence of the disappearance of the weeping face and the appearance of the laughing face.

It is evident that other head-gears may be substituted for the hood shown in the drawings, and that the mechanism for turning the head may also be varied without departing from the nature of my invention.

I am aware of the Letters Patent No. 52,782, granted to D. Checkeni, and I do not claim the mode of construction shown and claimed in the specification of said Letters Patent. Whereas in Checkeni's invention the doll-head turns on a horizontal axis pivoted in the sides of the wig-frame, the doll-head herein described turns on a vertical spindle secured to the body of the doll, and the mechanism for producing the motion is entirely different from the means described in Checkeni's specification.

What I claim is—

1. A doll-head having two opposite faces of different expression and capable of turning on a vertical axis, so that either of the two faces can be turned to the front by mechanism, while the head-gear remains stationary and covers the opposite face, substantially as described.

2. The combination of a double-faced doll-head, capable of being turned in the head-gear and upon the body of the doll, with a pulley, *r*, a string, *u*, and stop-pins *m*, *n*, and *o*, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

FRITZ BARTENSTEIN.

Witnesses:

GÜNTHER VATER,

FR. HALLI.