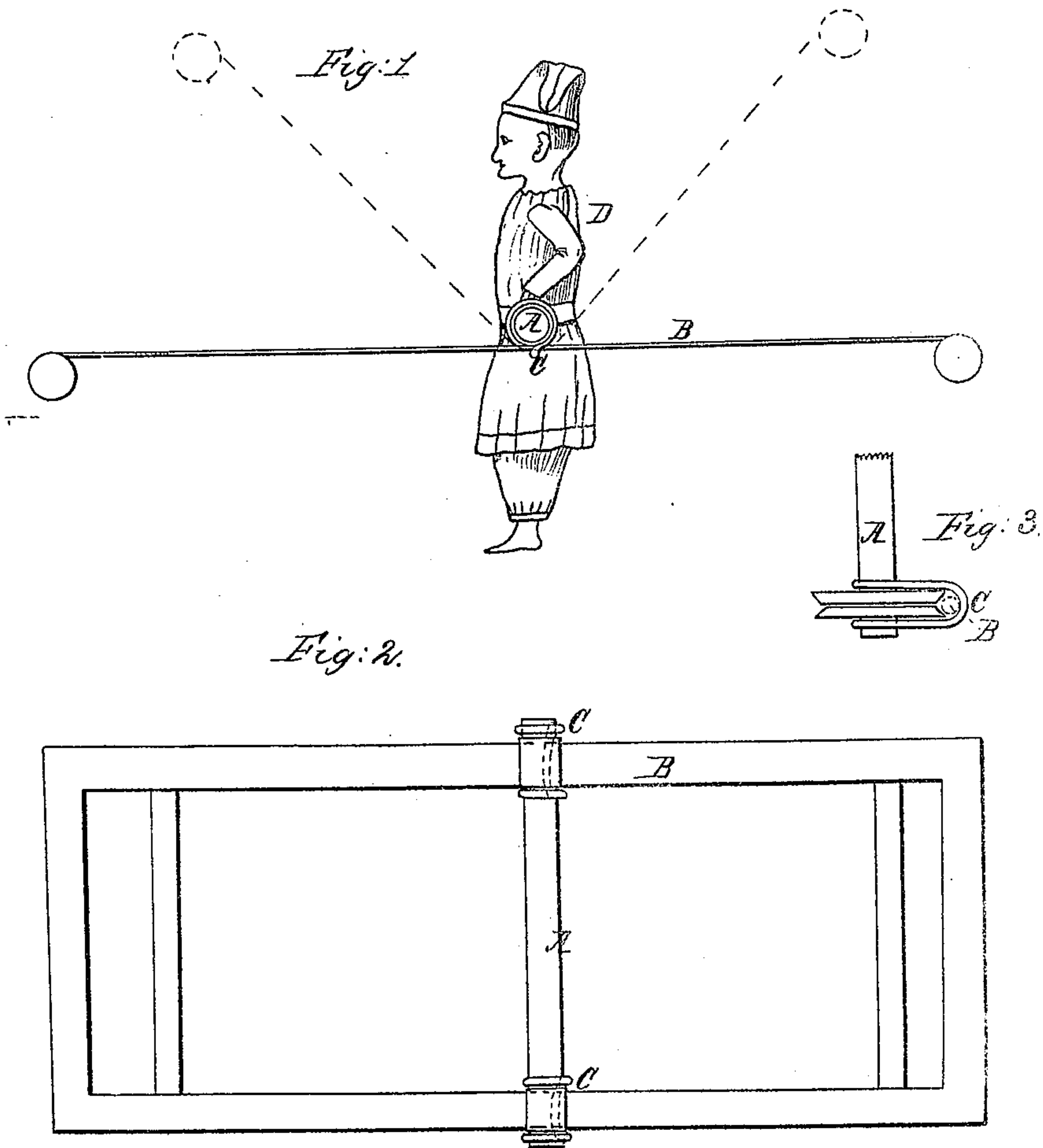


*H. N. Gallagher,*

*Revolving-Bar Toys,*

*N<sup>o</sup> 102,247.*

*Patented Apr. 26, 1870.*



*Witnesses:*  
*J. Andrew*  
*J. G. Arnold*

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*Henry N. Gallagher*

# United States Patent Office.

HENRY N. GALLAGHER, OF WORCESTER, MASSACHUSETTS.

Letters Patent No. 102,247, dated April 26, 1870.

## REVOLVING BAR-TOY.

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

I, HENRY N. GALLAGHER, of the city and county of Worcester, State of Massachusetts, have invented certain Improvements in Revolving-Bar for Gymnasts and Toys, of which the following is a specification.

### *Nature and Objects of my Invention.*

The first part of my invention relates to a revolving bar arranged to roll on two supporting straps or cords, and provided with a guard or guards, to prevent its running off or being removed from them, and the second part relates to the balancing on such a bar, a toy, or other object or person, to revolve with the bar for amusement, or exercise in gymnasiums, etc.

Figure 1 shows a side view of the bar and its supports, with a toy balanced thereon.

Figure 2 shows the bar and support, as seen from above.

Figure 3 shows the end of a bar arranged with a pulley for a cord or rope.

A is the bar.

B B, the supporting straps held at the ends.

c c the guards so arranged that the bar turns freely in them, but cannot slide endwise, the guards passing

over or around the straps which pass between them and the bar, so that when the bar rests on the straps it may roll freely on them, or when reversed the guards hang on them and allow the bar to turn freely in their loops.

D is a toy balanced on the bar A so as to turn freely with it.

In figs 1 and 2 of the drawings a flat strap or support is shown, while in fig. 3 is shown the end of a bar with pulley and guard adapted to a round one, the surface of the bar bearing on the support, being made rough or not as preferred in practice.

I claim—

1. The revolving bar, in combination with its guards and supports, when constructed and operating as described.

2. The combination of the bar, guards, supports, and balanced toy, or other object, to revolve with it as set forth.

HENRY N. GALLAGHER.

Witnesses:

G. ANDREW,  
J. G. ARNOLD.