

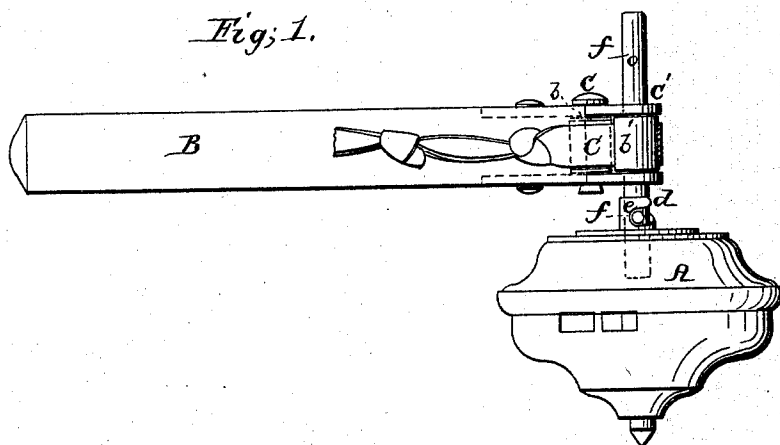
*C. Page,*

*Toy Top,*

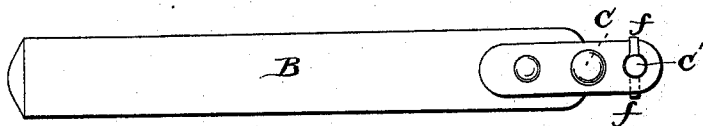
*No 61,857,*

*Patented Feb. 5, 1867.*

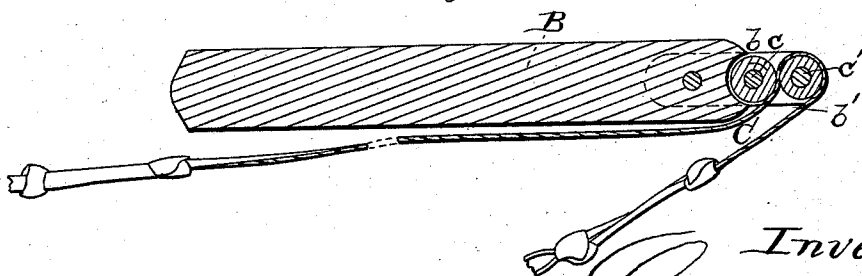
*Fig; 1.*



*Fig; 2.*



*Fig; 3.*



*Witnesses;*

*J. M. Corbitt  
G. W. Reed*

*Inventor;  
Charles Page  
Per his attorneys  
Brown, Corbitt & Co.*

# United States Patent Office.

CHARLES PAGE, OF WEST MERIDEN, CONNECTICUT.

*Letters Patent No. 61,857, dated February 5, 1867.*

## IMPROVEMENT IN TOP-DRIVERS OR SPINNERS.

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

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, CHARLES PAGE, of West Meriden, in the county of New Haven, and State of Connecticut, have invented a certain new and useful Improvement on Top-Spinners or Drivers, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, forming part of this specification, and in which—

Figure 1 represents in elevation a toy top with my improved driver applied thereto.

Figure 2, a top view of the driver; and

Figure 3, a horizontal section of the same.

Like letters indicate like parts throughout the several figures.

My improvement has reference to that description of toy tops in which a cord or its equivalent is used in connection with a detachable handle for giving a spinning motion to the top by drawing on the cord, which is connected with the handle, and by its friction on a spindle attached to or in gear with the top, made to rotate the latter. Drivers or spinners for thus operating tops have been variously constructed, including double cords and reversible spindles by turning the handle for facilitating a repetition of the action, but this, my invention, essentially differs from all such previous arrangements, in dispensing with a winding and unwinding action of the cord, and in other respects; and the nature of my invention consists in a combination of a tape or cord with friction-pressers or rollers arranged in the handle of the driver, and between which the tape is passed and turned over the front presser, that, through a spindle or socket attachment gears with the top, so that on drawing on the tape it is made to rotate the latter.

Referring to the accompanying drawing, A represents a top of the character herein referred to, and B the handle of the driver that is provided at its forward end with pressers or rollers *b b'*, both of which may be hung on axes or spindles *c c'*, so as to be capable of rotation, the one of them, which by a spindle or socket gears with the top, necessarily so. These rollers *b b'* are preferably made of India rubber or elastic material, or the one roller only may have an elastic action, and are so arranged as to grip or throw friction on a tape, C, passed in between them. The spindle *c'* of the one roller or presser may either be of socket construction, so as to receive in suitable driving and detachable gear with it a spindle or stem projecting from the top, or may be of spindle form to fit a socket in the top, and may either be single or double, so as in the latter case to operate from both ends by reversing the handle; different forms of top shanks requiring different driving attachments. In the drawing, an extension of the spindle *c'* at both ends is shown for double or reverse action of the tape C by turning the handle over and pulling alternately on opposite ends of the tape to facilitate a repetition of the spinning motion. Where said spindle, however, is only made to project from one end, the tape is drawn back without reversing the handle to repeat the action. The top shank or socket *d*, has a locking-notch, *e*, in it for the driving-pin or pins *f*, of the spindle *c'*, to form a driving and detachable locking gear with the top, as well understood. The action being the same, whether the driver be made reversible for double action, as described, it will suffice here to refer to the operation as confined to a single action only. Supposing the spindle *c'* to be in gear with the top, and the cord or tape C to be drawn through the rollers *b b'*, and its short end turned over the front roller *b'*, as represented in fig. 3, then by quickly drawing on said short end, with, say, the thumb applied to slight pressure or hold, with facility for slip of the other portion on or against the handle, the top will be rotated with great speed, when it can be detached from the handle to spin on the floor or other surface as usual with such tops. By this construction of driver and mode of operation, it will be seen that there is no winding or coiling of the cord round and round the driving spindle; hence there is no slack cord at starting to tighten on the spindle ere a quick velocity can be obtained; consequently a greater speed may by this arrangement be got up from the commencement, while the construction of the driver is simple, there being but few holes to drill, and its action for repetition of the spinning motion, even when not made double acting or reversible, easy and rapid.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination of the cord or tape, with the pressers or rollers, and the driving-spindle arranged in the handle of the driver for operation, substantially as specified.

CHARLES PAGE.

Witnesses:

G. F. SNOW,  
OLIVER SNOW.