

J. C. ECKARDT.  
 Show-Stands for Christmas Trees, &c.  
 No. 199,044.      Patented Jan. 8, 1878.

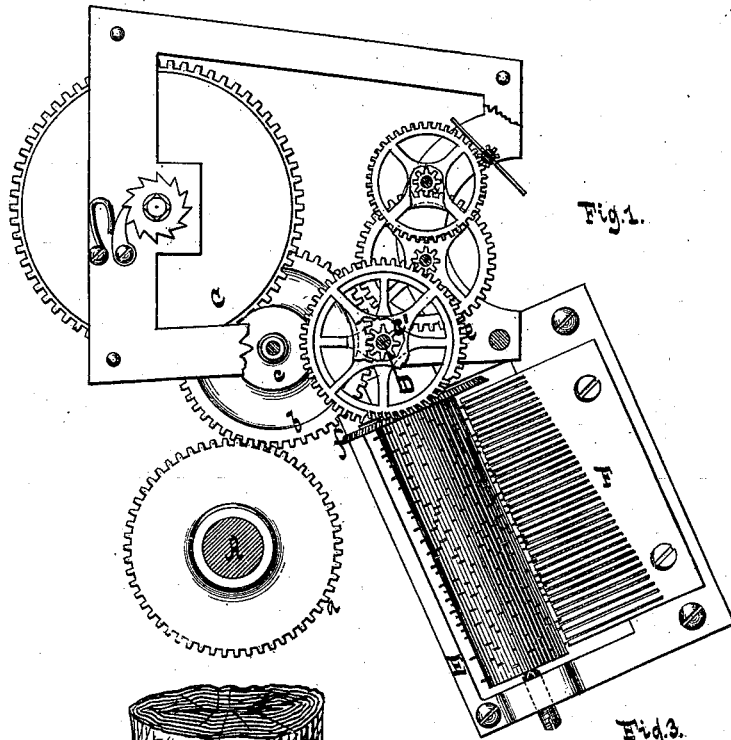


Fig. 1.

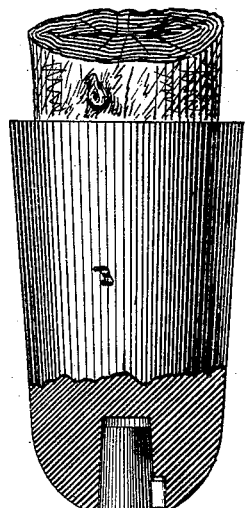


Fig. 2.

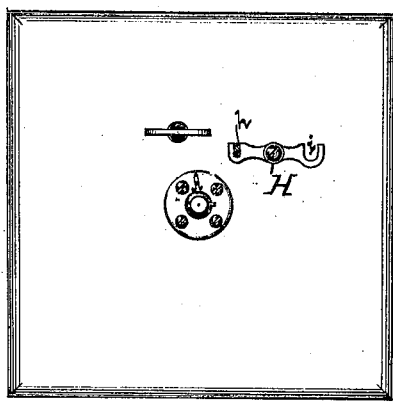
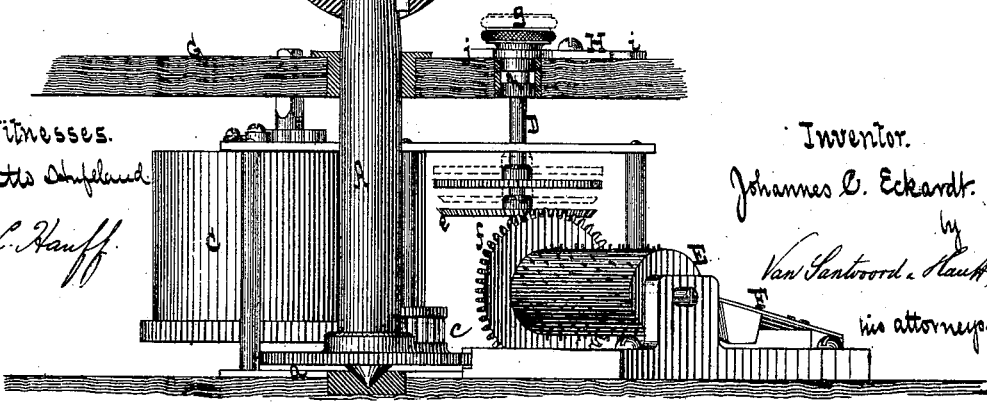


Fig. 3.

Witnesses.  
*Otto Schmelzer*  
*H. C. Kauff*

Inventor.  
*Johannes B. Eckardt.*  
 by  
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 his attorneys.



# UNITED STATES PATENT OFFICE.

JOHANNES C. ECKARDT, OF STUTTGART, WÜRTTEMBERG, GERMANY.

## IMPROVEMENT IN SHOW-STANDS FOR CHRISTMAS-TREES, &c.

Specification forming part of Letters Patent No. **199,044**, dated January 8, 1878; application filed August 7, 1877.

*To all whom it may concern:*

Be it known that I, JOHANNES C. ECKARDT, of Stuttgart, in the Kingdom of Württemberg and Empire of Germany, have invented a new and useful Improvement in Stands for Christmas-Trees or other articles, which improvement is fully set forth in the following specification, reference being had to the accompanying drawings, in which—

Figure 1 represents a plan view of the interior of a stand containing my improvement. Fig. 2 is a vertical section thereof. Fig. 3 is a plan or top view, partly in section.

Similar letters indicate corresponding parts.

My invention relates to a stand which is especially designed for supporting a Christmas-tree, but which is also adapted for supporting a rack with fancy goods or various other articles.

The invention consists, essentially, in a new article of manufacture consisting of an arbor, having a socket at one end for receiving the Christmas-tree or other article, a clock mechanism, and a musical instrument, each of which is geared with the said arbor, and being inclosed in a closed casing, through which the arbor carrying the socket projects, all as will be hereinafter set forth.

The clock-movement is geared with the musical instrument by means of a sliding arbor carrying a suitable cog-wheel, so that by moving this arbor in the proper direction the musical instrument can be thrown out of gear without interrupting the clock-movement. With the sliding arbor last named is combined a detent-lever, which is so constructed that it serves not only to retain said arbor in either of its positions, but may also arrest its motion, and thus stop the clock-movement.

In the drawing, the letter A designates an arbor, which is provided with a socket, B, at its outer end, this socket being made detachable, and on which is mounted a cog-wheel, *a*, gearing, by means of intermediate cog-wheels *b c*, with a barrel, C, containing the spring of a clock-movement of ordinary construction.

The socket B may be made in imitation of a pine cone, or ornamented in any other way, and a Christmas-tree or other article can read-

ily be fastened therein, so as to partake of its motion, a revolving motion being imparted thereto when the clock-movement is wound up.

The cog-wheel *b* gears with a pinion, *c'*, mounted on an arbor, D, on which is mounted also a cog-wheel, *e*, adapted to gear with a corresponding wheel, *f*, secured to a drum, E. This drum E is provided with pins, as shown, and, together with reeds F, forms a musical instrument of well-known form.

The arbor D is arranged to slide lengthwise in its bearings, and it extends through the top of a case, G, which incloses the parts of the aforesaid clock-movement, and also the musical instrument, and which may be of any form.

When the sliding arbor D is pushed down or inward the cog-wheel *e* is thrown in gear with the cog-wheel *f*, and, if the clock-movement is set in motion, the drum E is caused to revolve, and thereby musical sounds are produced on the reeds F, while at the same time the arbor A partakes of a revolving motion, as before stated; and if a Christmas-tree or other article is placed in its socket a very beautiful effect is produced.

The sliding arbor D is provided with a finger-button, *g*, at its outer end, by which it can readily be moved in or out.

When it is desired to bring the musical instrument out of operation, the sliding arbor D is simply pulled out or upward, whereby the cog-wheel *e* is thrown out of gear with the wheel *f*, and the drum E is stopped without its being necessary to stop the clock-movement.

Adjacent to the sliding arbor D, on the outside of the case G, is pivoted a detent-lever, H, which is provided with notches *h i* at equal distances from the point of its fulcrum, the notch *i* being made of semicircular form, and the notch *h* of polygonal form.

When the sliding arbor D is moved to its inner or outer position, as the case may be, the detent-lever H is swung around so as to cause its semicircular notch *i* to catch in either of the grooves *j k*, and thus the said arbor is firmly held against a longitudinal movement, without, however, interfering with its rotary

motion. If the sliding arbor D is moved out or upward, and the position of the detent-lever H is reversed, so as to cause its polygonal notch *h* to catch in the lower or polygonal groove *k* of the sliding arbor D, the arbor is prevented from turning, and thus the clock-movement is stopped.

It is obvious that, instead of making the notch *h* and the groove *k* of polygonal form, they may be made in various other ways to engage with each other.

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

1. As a new article of manufacture, a stand for Christmas-trees, &c., consisting of an arbor, A, having a socket, B, at one end, a clock mechanism, and a musical instrument, both of which are geared with the said arbor, a device for gearing and un gearing the musical instrument with the clock mechanism, and an inclosing-case, through which the arbor projects for supporting the socket B, all substantially as and for the purpose described.

2. The combination of an arbor, having a socket at one end for the reception of a Christmas-tree or other article, with a musical in-

strument, a clock-movement which is geared with both said arbor and the musical instrument, a sliding arbor and cog-wheel forming part of said clock-movement, and serving to gear the same with the musical instrument, and an inclosing-case, substantially as and for the purpose described.

3. The combination of an arbor, having a socket at one end for the reception of a Christmas-tree or other article, with a musical instrument, a clock-movement which is geared with both said arbor and the musical instrument, a sliding arbor and cog-wheel forming part of said clock-movement, and serving to gear the same with the musical instrument, a detent-lever adapted to engage with said sliding arbor, and an inclosing-case, substantially as and for the purpose described.

In testimony that I claim the foregoing I have hereunto set my hand this 22d day of March, 1877.

J. C. ECKARDT.

Witnesses:

AUGUST SMITH,  
JOHANN MILLER.