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C. B. REPP.

TREADLE ATTACHMENT FOR TOY SEWING MACHINES.

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Fig. 1,

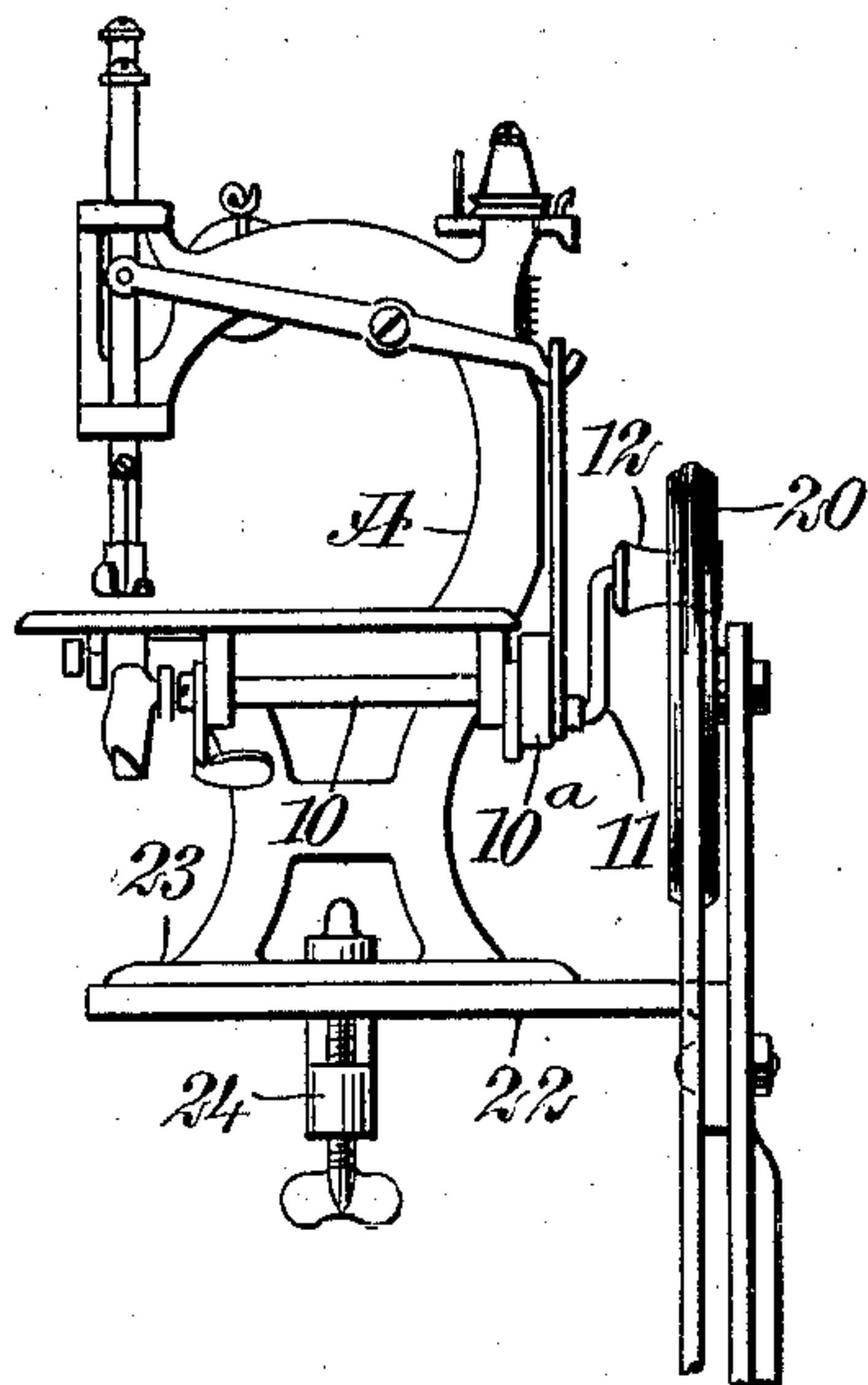
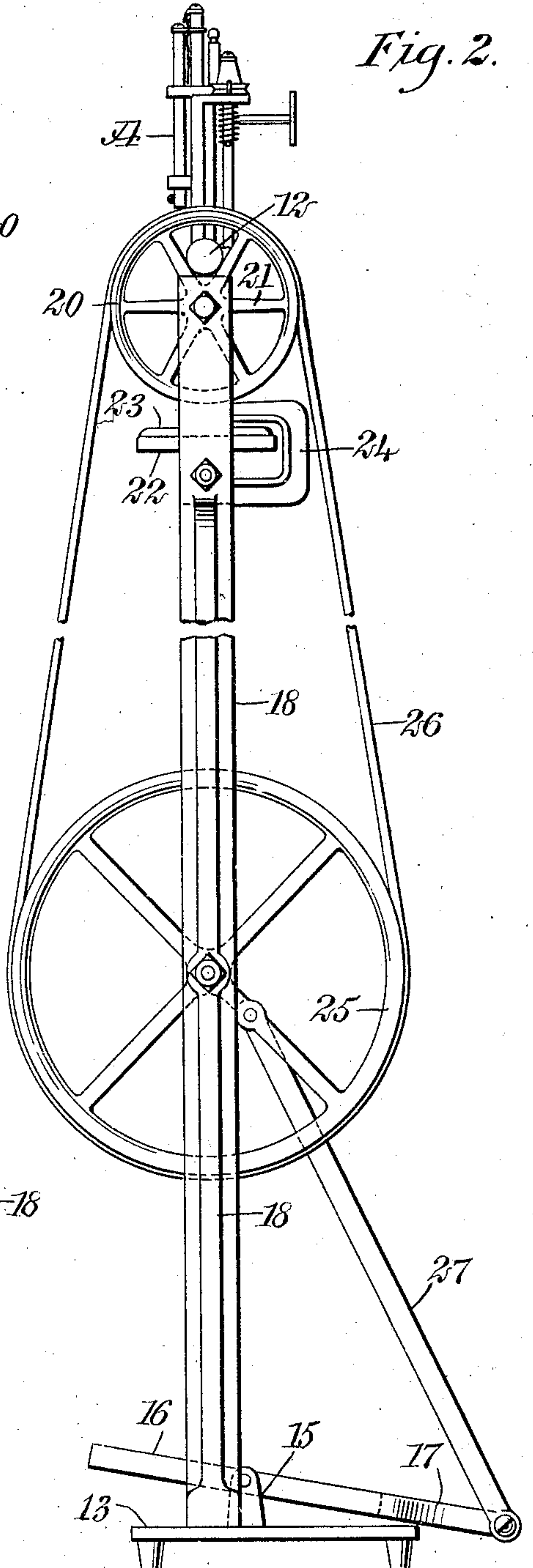


Fig. 2.



WITNESSES

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TREADLE ATTACHMENT FOR TOY SEWING-MACHINES.

No. 859,779.

Specification of Letters Patent.

Patented July 9, 1907.

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To all whom it may concern:

Be it known that I, CLINTON B. REPP, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Treadle Attachment for Toy Sewing - Machines, of which the following is a full, clear, and exact description.

The purpose of the invention is to provide a treadle attachment for hand sewing machines, particularly adapted for use in connection with miniature or toy machines, whereby to obtain greater rapidity and steadiness of action than when such a machine is run by hand, and to render the labor of running the machine very slight.

A further purpose of the invention is to provide a treadle attachment which will be light, simple, durable and economic and which may be connected with the crank handle of the machine without the use of clamps, bolts or equivalent fastening devices and without injury to the machine, the treadle attachment being an independent structure and yet capable of convenient and ready application to or removal from the machine.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth and pointed out in the claims.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a front elevation of the machine and the improved treadle attachment applied; and Fig. 2 is a side elevation of the machine and its attachment.

A represents a toy or miniature sewing machine of that type in which the drive shaft 10 and its eccentric 10^a are rotated through the medium of a crank arm 11 attached to said eccentric 10^a, said crank arm being provided with a handle 12.

In the construction of the treadle attachment a base 13 is provided, preferably in the shape of a rectangular platform which is supported above the floor by means of suitable legs 14; and upon said base platform 13 at its right-hand end upwardly-extending lugs 15 is provided, between which lugs a treadle 16 is pivoted, said treadle being provided with a rearwardly-extending arm 17 at its right-hand side.

A standard 18 extends up from the right-hand end of the base platform 13; and preferably the lower end of this standard is provided with a horizontal arm 19, which is passed below the base platform 13 and is securely fastened thereto. The base platform 13 is of such length that the left foot of the operator may be

placed upon said platform to hold it down while the treadle 16 is being operated by the right foot. 55

A wheel 20 is mounted to turn at the inner face of the upper end portion of the standard 18, said wheel 20 being provided with spokes 21, and said spokes 21 are a sufficient distance apart to receive between any two of them the handle 12 of the crank arm 11 of the machine. A horizontal shelf 22 extends outward from the inner face of the standard 18 at a point below the said wheel 20 as is best shown in Fig. 1, and the base 23 of the machine A rests upon this platform and is secured thereto by a clamp 24, or the equivalent of the same. The shelf 22 bears such relation to the axis of the wheel 20 that when said machine is placed on the shelf and the handle 12 is introduced into a space between opposing spokes the said spokes will engage the said handle at their converging ends and so hold the handle to the wheel without the necessity of employing clamps, bolts or the like. The standard 18 is made of sufficient height to insure such a result. A second and larger wheel 25 is mounted to turn upon the inner face of the standard 18 about centrally between its ends; and said wheels 20 and 25 are peripherally grooved to receive a driving belt 26. The wheel 25 is connected with the rearwardly-extending arm 17 of the treadle 16 by means of a pitman 27. It will thus be observed that almost in a moment a treadle may be applied to a hand sewing machine of the type described to operate the said machine by foot power, and to provide for such machine a rapidity and a steadiness of motion not obtainable by a hand power. It is also evident that the treadle attachment may be as quickly and readily disconnected from the machine; no part of the machine is disturbed by the application of the treadle, and no portion thereof is necessarily marred by either the application or the removal of said attachment. 90

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

1. A treadle attachment for toy sewing machines, consisting of a base, a treadle mounted on said base, a standard extending from the said base, a shelf carried by the base and adapted to support the machine, a drive wheel mounted to revolve on the standard between its ends, a smaller driven wheel mounted to revolve at the upper portion of the standard above the shelf, the said driven wheel being provided with spokes and the spaces between said spokes being adapted to snugly receive the handle of the crank of the machine, a driving connection between the drive wheel and the driven wheel, and a pitman connection between the drive wheel and the treadle. 95

2. An attachment for sewing machines, comprising a platform base, upwardly extending lugs on said base near one end, a treadle pivoted between its ends to said lugs, a standard extending upward from the same end of the platform, a drive wheel mounted on the said standard, an 100

arm extending rearward from the treadle at one side thereof, a pitman connection between the end of said arm and the drive wheel, a support for the machine secured to the upper portion of the standard, a smaller
5 wheel mounted to revolve on the standard at its upper end above the said support, the upper smaller wheel being provided with spokes and the space between said spokes being such as to closely receive the crank handle of the machine at the lower portion of said spaces, the
10 height of the standard being such that when the crank

handle is in a space between the spokes of the upper wheel it will be engaged by the converging opposing side edges of said spokes, and a belt connection between the two wheels.

In testimony whereof I have signed my name to this 15 specification in the presence of two subscribing witnesses.

CLINTON B. REPP.

Witnesses:

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