

(No Model.)

H. WEEKS.

REEL FOR NAILING AND OTHER MACHINES.

No. 299,041.

Patented May 20, 1884.

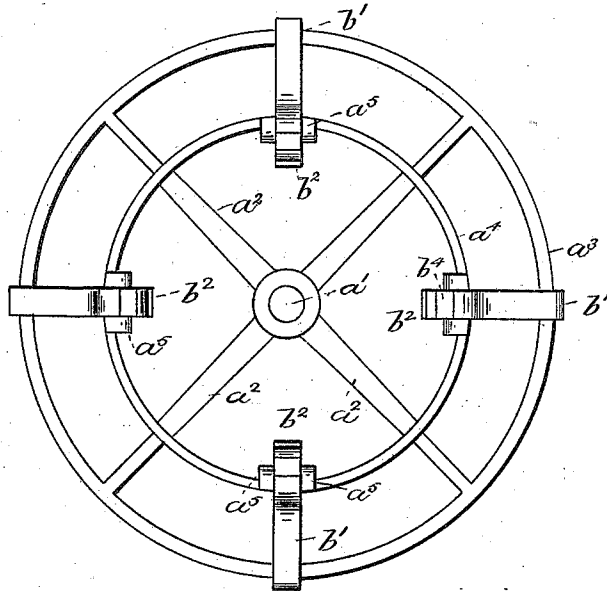


Fig. 1.

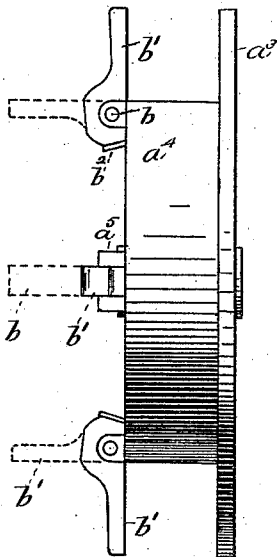


Fig. 2.

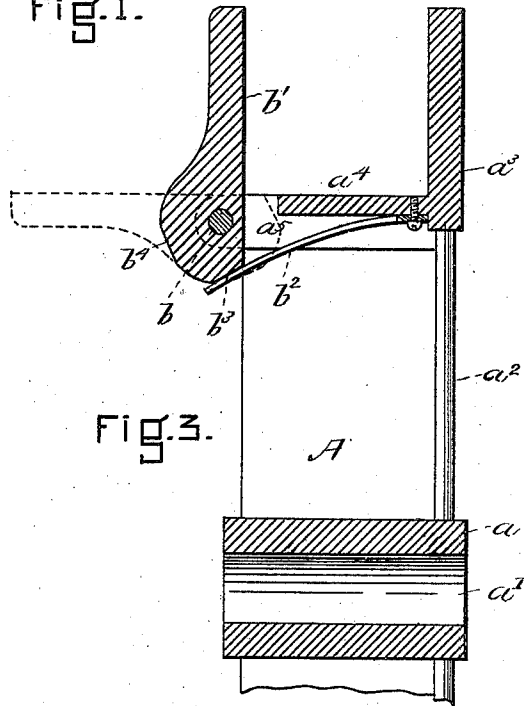


Fig. 3.

WITNESSES

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UNITED STATES PATENT OFFICE.

HORACE WEEKS, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO THE
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REEL FOR NAILING AND OTHER MACHINES.

SPECIFICATION forming part of Letters Patent No. 299,041, dated May 20, 1884.

Application filed March 22, 1884. (No model.)

To all whom it may concern:

Be it known that I, HORACE WEEKS, of Boston, in the county of Suffolk and State of Massachusetts, a citizen of the United States, have invented a new and useful Improvement in Reels for Nailing and other Machines, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a portion of this specification, in explaining its nature, in which—

Figure 1 is a front elevation of a reel containing my invention. Fig. 2 is a side elevation thereof, and Fig. 3 is an enlarged section of a portion on a radial line from the center of the reel.

This invention relates to reels for holding coils of wire used in various nailing and other machines; and its object is to provide for the easy and quick placing of the coil upon the reel and for securing and holding the same thereon.

Referring to the drawings, A represents the reel. It has the hub *a*, in which the hole *a'* is formed for the reception of the shaft or stud upon which the reel revolves, the side arms, *a*², flanges *a*³, and the barrel *a*⁴. These parts preferably are integral and form one casting. Fastened to the arms *a*⁵ of the frame, also cast with the portion of the reel already described, are hinged at *b* the arms *b'*. These arms are adapted to be moved from a position substantially parallel with the flange *a*³ to a position at substantially right angles thereto, as shown in dotted outline in Figs. 2 and 3; and they are locked in the above positions by means of springs *b*², fastened to the inner surface of the barrel *a*⁴, and adapted to bear upon the under surface of each arm. This under surface has

the two flat portions *b*³ *b*⁴, against one of which parts, *b*³, the spring bears when the arms form a flange for holding the wire upon the barrel, and against the other of which, *b*⁴, it bears when the arms have been moved, so as to permit the placing of the reel upon the barrel. The inner surface of each arm *b'* may be made somewhat inclined from its lower end outwardly, if desired.

The advantages of the invention arise principally from the simplicity and cheapness of the construction.

Having thus fully described my invention, I claim and desire to secure by Letters Patent of the United States—

1. The combination, in a reel, of a flange, *a*³, and barrel *a*⁴, and the movable arms *b'*, adapted to be moved independently into and out of operative position, all substantially as and for the purposes described.

2. The combination of the barrel *a*⁴ and flange *a*³ of a reel with the movable arms *b'* and their independent automatic locking devices for locking the same in position, all substantially as and for the purposes described.

3. The combination, in a reel, of the flange *a*³, drum or barrel *a*⁴, with the arms *b'*, hinged as described, and adapted to be separately and independently automatically locked at the end of their outward movement, all substantially as and for the purposes set forth.

4. In a reel, the combination of the barrel *a*⁴ with the arms *b'*, hinged as described, and the springs *b*², all substantially as and for the purposes described.

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Witnesses:

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