

E. J. Reddy,
Bundling Wood,
No. 80,665, *Patented Aug. 4, 1868.*

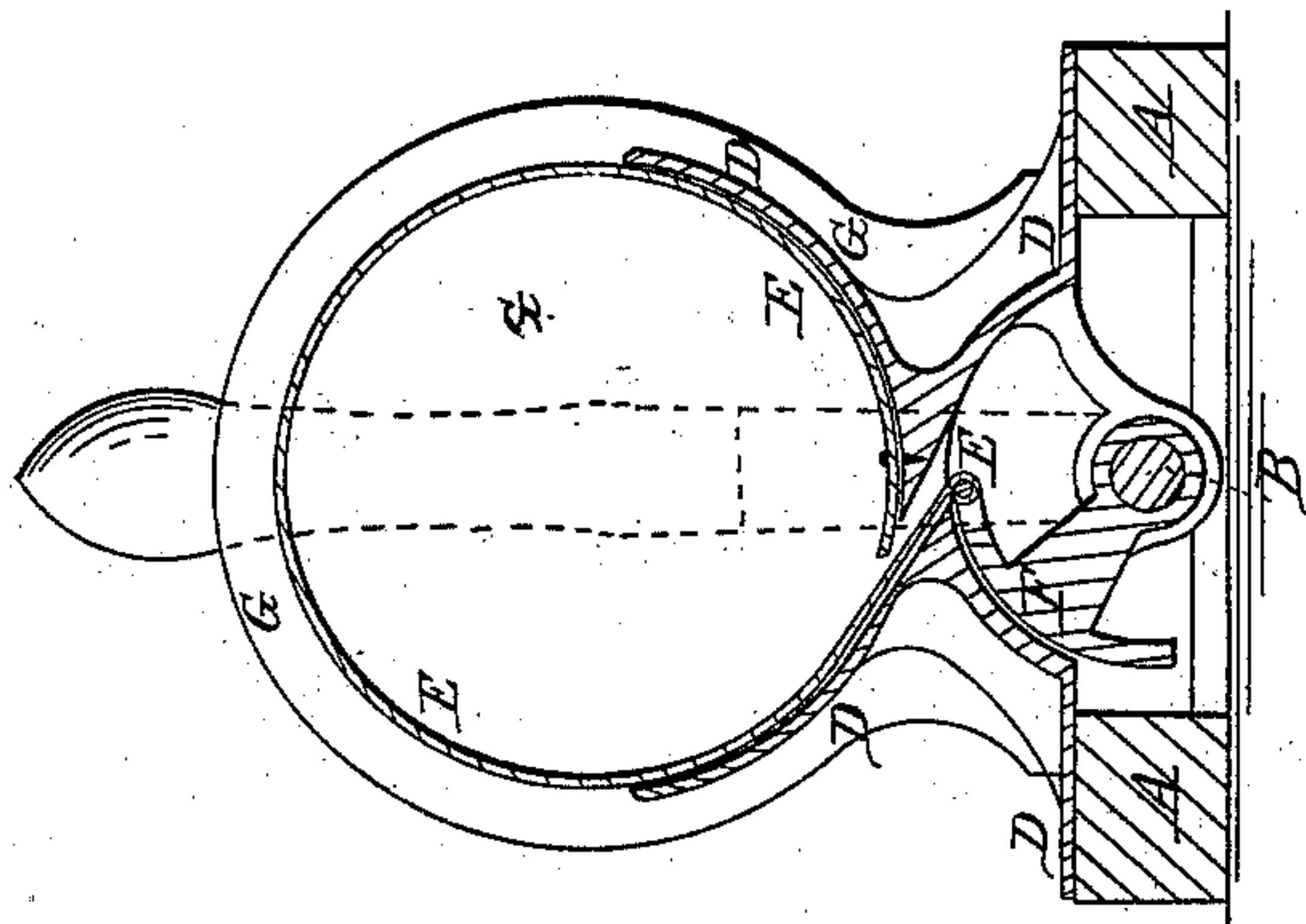


Fig. 2.

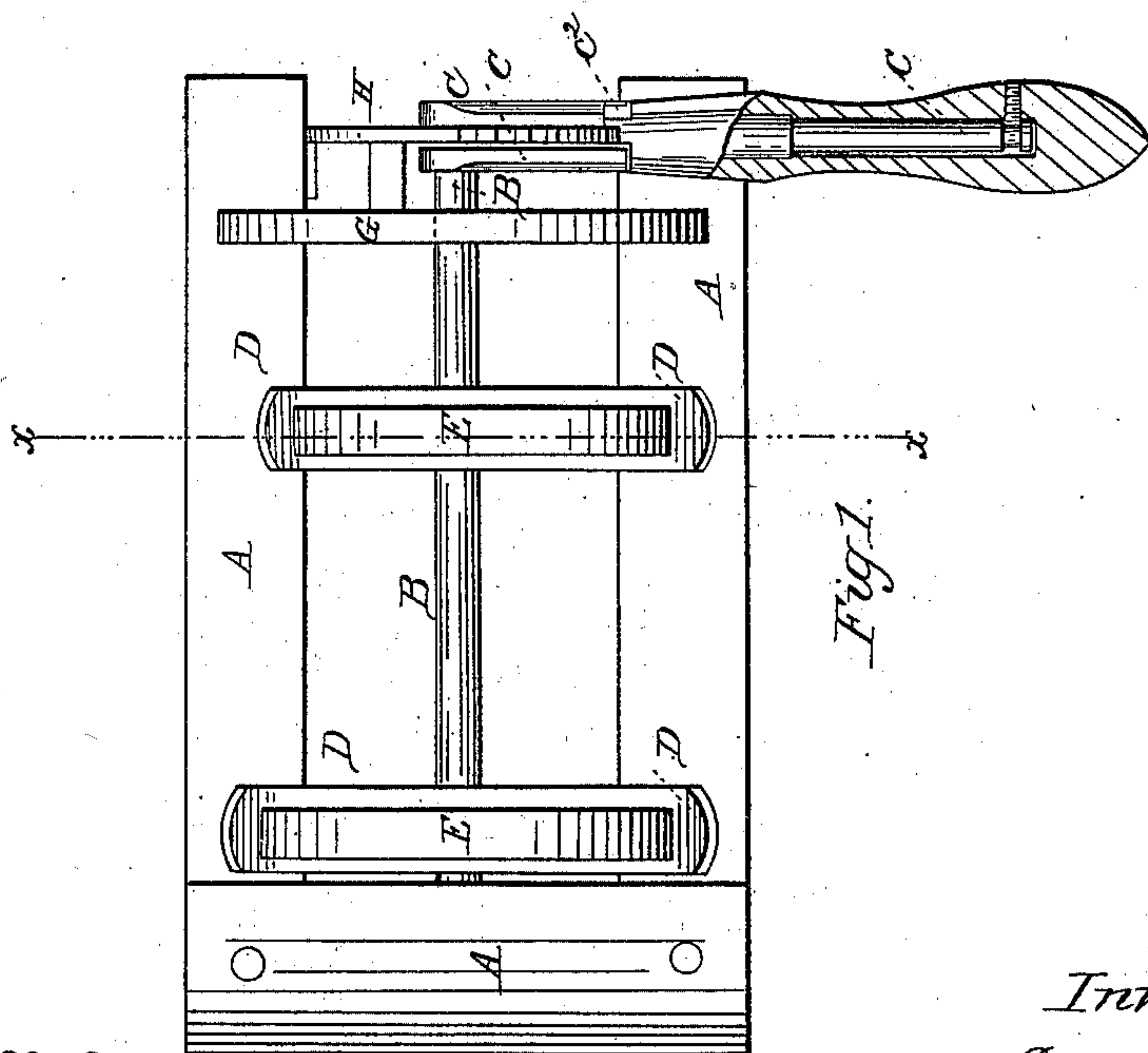


Fig. 1.

Witnesses.
Wm. A. Morgan
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Inventor:
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per Murphy
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United States Patent Office.

EDWARD J. REDDY, OF BAYVILLE, NEW YORK.

Letters Patent No. 80,665, dated August 4, 1868.

IMPROVEMENT IN BUNDLING-MACHINES.

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, EDWARD J. REDDY, of Bayville, in the county of Queens, and State of New York, have invented a new and improved Bundling-Machine; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

Figure 1 is a top view of my improved machine, part being broken away to show the construction.

Figure 2 is a vertical cross-section of the same taken through the line *x x*, fig. 1.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved machine, designed especially for bunching or bundling asparagus and other vegetables, but which may be applied with equal advantage for bundling wood, or other things to be put up in bundles or bunches, and which shall at the same time be simple in construction, and easily operated, and it consists in the construction and combination of the various parts, as hereinafter more fully described.

A is the frame of the machine.

B is a shaft, which works in bearings in the frame A, and to one end of which is attached the handle C.

D are guard-frames, attached to the frame A, and the upper parts of which are curved, as shown in fig. 2.

E is a flexible band, one end of which is attached to the body of the guard-frames D, in the bottom of the curved upper part of said frames. The other end of the open bands or straps E is passed through a slot in the bottom of the curved part of the frames D, beneath the stationary end of said strap or band, and is securely attached to the edge of the segment F of a wheel, which is rigidly attached to the shaft B, as shown in fig. 2. One, two, or any desired number of bands E, frames D, and segmental wheels F, may be used, as may be desired, or as the character of the material to be bunched or bundled may require. The bands E may form circles of the same size, or some of them may be smaller than the others, according as the material will form a cylindrical or tapering bundle.

G is a vertical stop-plate, attached to the forward part of the frame A, so as to be parallel with the bands E, against which the ends of the material to be bunched may strike, so that the end of the bunch or bundle may be square.

To the end of the shaft B is attached the end of the handle C, the lower end of which is slotted, so as to receive the segmental rack or notched plate H.

The hand-piece *c*¹ of the handle C is so formed and attached to the stem of said handle as to partially revolve, so that a projection, *c*², formed upon the lower end of said hand-piece, may be turned into the teeth or notches of the rack H, so as to hold the said handle C in position, compressing the bundle until it is securely tied.

In using the machine, the handle C is adjusted in position to expand the bands or straps E to their full extent. The articles to be bunched or bundled are then placed within the said bands, they acting as a gauge to regulate the size of the bunch or bundle, so that the bunches or bundles may all be of the same size. The handle is then turned down, drawing the bands E closely around the bunch or bundle, compressing it, when, by a slight turn of the hand-piece *c*¹ of the handle, the machine will be locked, and the bundle be held securely until it can be tied up.

By means of a machine thus constructed and arranged, the bunching may be done readily and rapidly, all the bunches being made of a uniform size.

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

The handle C, having the movable hand-piece *c*¹ and stop *c*², the toothed segment H, shaft B, and segments F, constructed to operate the flexible bands E, as herein described, for the purpose specified.

Witnesses:

WILLIAM R. BELL,
H. W. TAYLOR.

EDWARD J. REDDY.