

(Model.)

A. R. NIXON.
Cotton Picker.

No. 241,406.

Patented May 10, 1881.

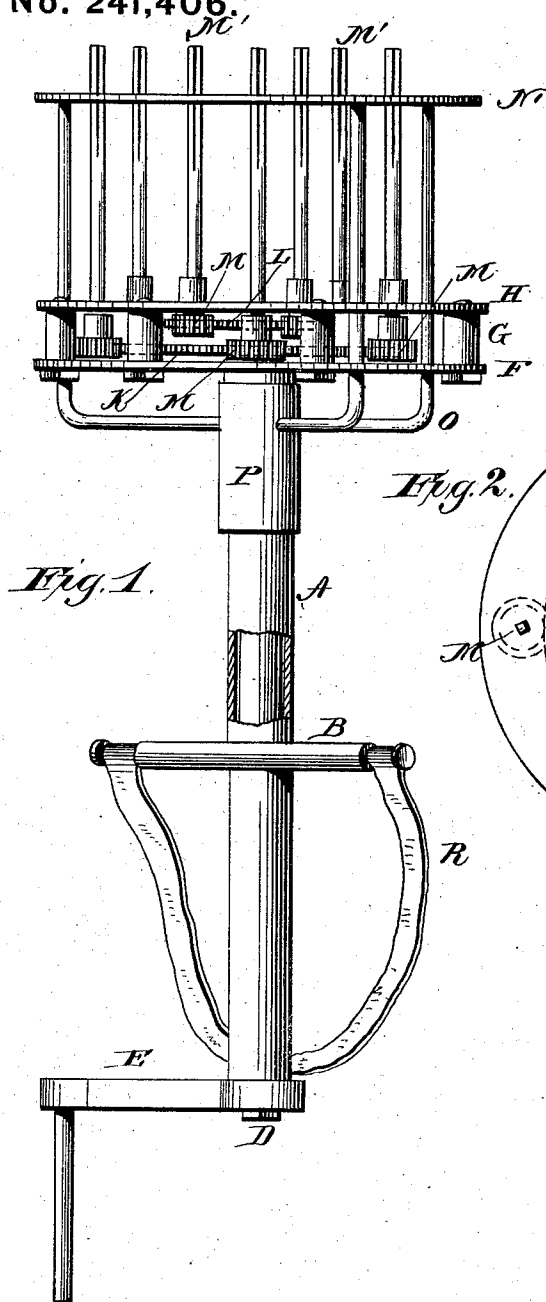
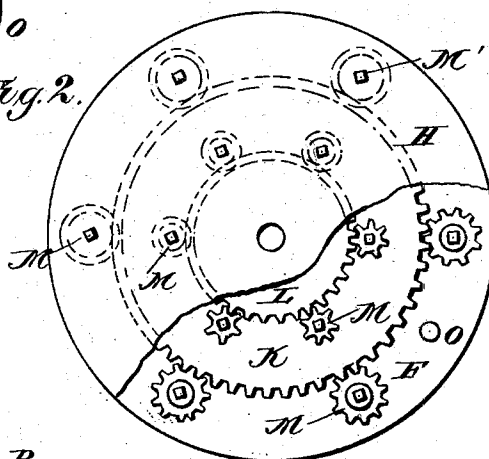


Fig. 2.



Witnesses,
F. L. Ouraud
J. J. McCarthy.

Inventor.
A. R. Nixon
By Alexander M. Norton
Att.

UNITED STATES PATENT OFFICE.

ABEL R. NIXON, OF KANSAS CITY, MISSOURI, ASSIGNOR OF ONE-HALF TO
E. A. THURSTON, OF SAME PLACE.

COTTON-PICKER.

SPECIFICATION forming part of Letters Patent No. 241,406, dated May 10, 1881.

Application filed January 29, 1881. (Model.)

To all whom it may concern:

Be it known that I, ABEL R. NIXON, of Kansas City, in the county of Jackson, and in the State of Missouri, have invented certain new and useful Improvements in Cotton-Pickers; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

This invention relates to certain improvements in cotton-pickers; and it has for its object to provide an instrument which can be operated by hand to gather the cotton from the bolls, and from which the cotton can be discharged when desired, as more fully hereinafter specified. These objects I attain by the apparatus and mechanism illustrated in the accompanying drawings, in which—

Figure 1 represents a side elevation of my improved apparatus with a portion of the same cut away, and Fig. 2 a top view with a portion broken away.

The letter A indicates a metallic sleeve, having a transverse handle, B, by means of which the apparatus may be held while being manipulated. In the said sleeve is journaled a shaft, D, which is provided with a crank, E, at its lower end. The said sleeve, at its upper end, is provided with a disk or plate, F, to which it is secured by means of the connections G, a similar plate, H, having a space between the two.

The letters K and L indicate two cog-wheels mounted on the end of the shaft D between the two plates. These cog-wheels intermesh with the pinions M on the spindles M', which are journaled in bearings in the respective plates, projecting from the forward one, their forward ends being squared or fluted, for the purpose hereinafter described.

The letter N indicates a disk mounted on the arms O, which are attached to a short sleeve, P, adapted to slide upon the sleeve A. The said arms work through suitable apertures through the plates F and H in such manner that the disk N may be moved back and forth upon the spindles.

The letter R indicates a strap, by means of which the apparatus may be secured to the person of the operator.

The apparatus is operated by presenting the spindles to the bolls and turning the crank, which rotates the spindles, causing them to seize the cotton and extract it from the bolls, after which it is discharged from the spindles by projecting the disk forward.

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

1. The combination of the hollow sleeve carrying the two plates at its upper end, the shaft journaled in said sleeve and provided with a crank at one end and cog-wheels at the other, the latter intermeshing with pinions mounted on spindles journaled in the plates and projecting forward from the front plate, substantially as specified.

2. In combination with the plates, the spindles, and their operating mechanism, the movable disk, mounted on suitable arms secured to a sliding sleeve, and adapted to operate substantially as specified.

In testimony that I claim the foregoing I have hereunto set my hand this 22d day of January, 1881.

ABEL R. NIXON.

Witnesses:

MAX KNOBELSDORFF,
FRANK ECKORT.