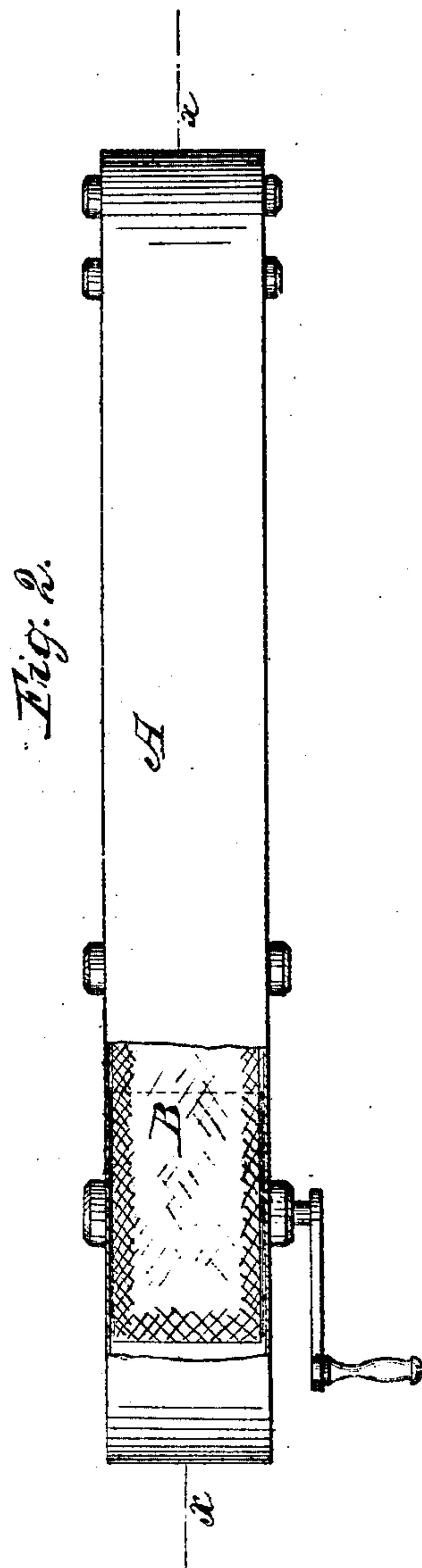
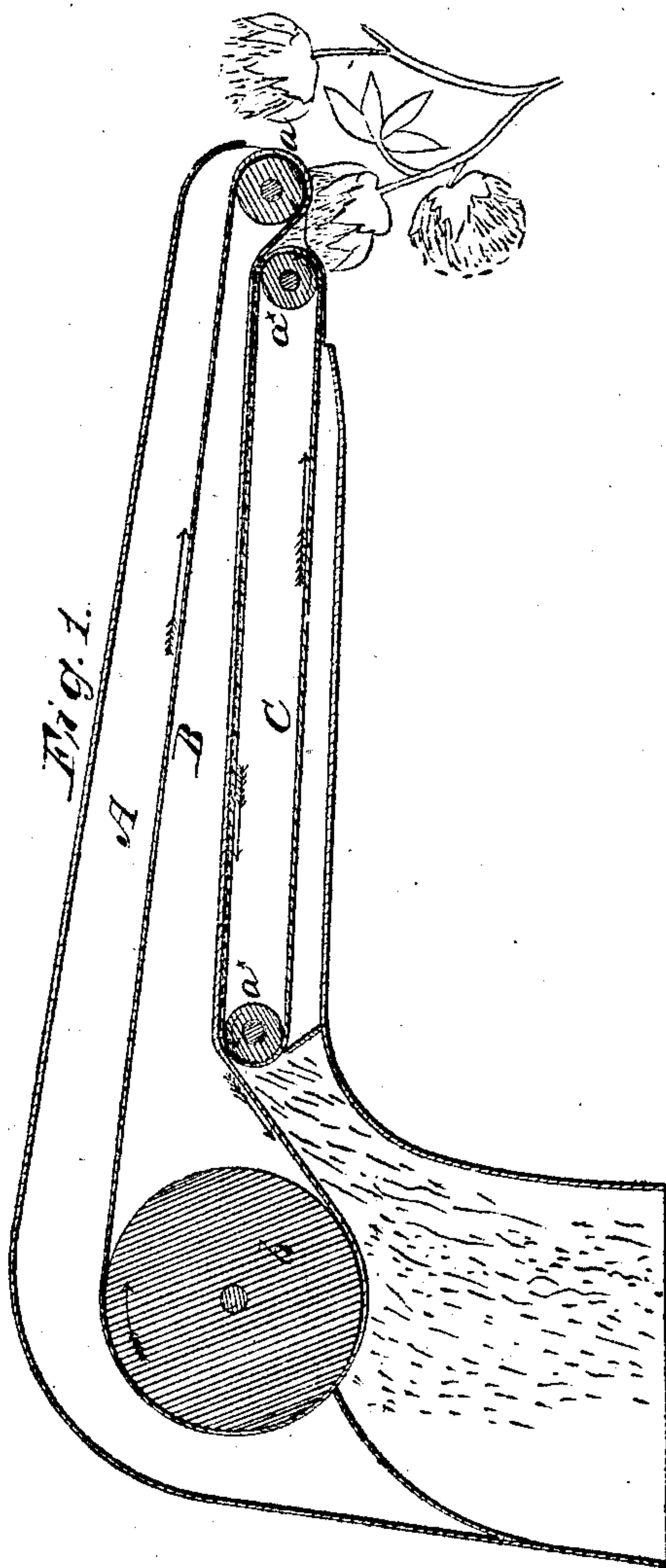


I. S. SCHUYLER.
Assignor to J. J. ECKEL.
COTTON PICKER OR HARVESTER.

No. 32,968.

Patented July 30, 1861.



Witnesses:
J. J. Eckel
Wm. A. Brownell

Inventor:
Isaac S. Schuyler

UNITED STATES PATENT OFFICE.

ISAAC S. SCHUYLER, OF NEW YORK, N. Y., ASSIGNOR TO JOHN J. ECKEL, OF NEW YORK, N. Y.

COTTON-PICKER.

Specification of Letters Patent No. 32,968, dated July 30, 1861.

To all whom it may concern:

Be it known that I, ISAAC S. SCHUYLER, of the city, county, and State of New York, have invented a new and Improved Cotton

5 Picker or Harvester; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

10 Figure 1 is a longitudinal section of my invention, taken in the line x, x , Fig. 2. Fig. 2, a plan or top view of the same.

Similar letters of reference indicate corresponding parts in the two figures.

15 The object of this invention is to obtain a simple and portable device for manual operation which may be employed for expeditiously picking or harvesting cotton.

The invention consists in the employment 20 or use of two elastic endless belts placed within a suitable case, and arranged as hereinafter described, to effect the desired result.

To enable those skilled in the art to fully understand and construct my invention I 25 will proceed to describe it.

A. represents a case, which may be made of wood or sheet metal, the latter material would probably be preferable. This case may be of curved form as shown clearly in 30 Fig. 1, and within the case there are placed two endless belts B. C., one B. being directly over the other C. The belt B. passes around a small pulley a , at the front part of the case A. and around a large pulley b , at 35 the back part of the case. The belt C. passes around two small pulleys a^x, a^x , of equal diameter, but the belt C. is shorter than B. and both of the belts at their outer parts are exposed at the front end of the case A. at 40 its under side. The two belts run in contact, motion being communicated to C. from B. and the latter being moved by a crank attached to the axis of pulley b .

The case A. is of L-form and the large

pulley b , of belt B. is directly over the up- 45 right or discharge end of the case. The belts B. C. are elastic but are stretched quite tautly over their respective pulleys. The belts move in the direction indicated by the arrows, and by applying the outer ends of 50 the belts to the cotton bolls, the cotton will be drawn between the belts and discharged from the inner end of the case, as indicated in red in Fig. 1. The belts are sufficiently 55 taut to insure their movement in the direction indicated when the pulley b , is turned.

The case A. is held by the operator with one hand, and the crank of pulley b , is turned with the other, while the outer end of the case is applied to the cotton bolls on 60 the plants. The cotton is drawn from the bolls with the greatest facility and is deposited in a proper bag or receptacle attached to the inner side of the case.

In order to prevent the cotton being car- 65 ried around the inner pulleys b, a^x , guard plates c , are placed within the case with their outer ends bearing against the belts as shown clearly in Fig. 1.

I am aware that endless belts have been 70 employed provided with teeth or pickers for picking cotton, the belts being placed within a case but arranged in an entirely different way from the plan herein shown and de- 75 scribed. I do not claim therefore the employment or use of an endless toothed belt; but,

I do claim as new and desire to secure by Letters Patent:

The combination of the two endless belts 80 B. C. placed within a suitable case A. and arranged for joint operation substantially as and for the purpose herein set forth.

ISAAC S. SCHUYLER.

Witnesses:

J. W. COOMBS,

WM. A. CROMWELL.