

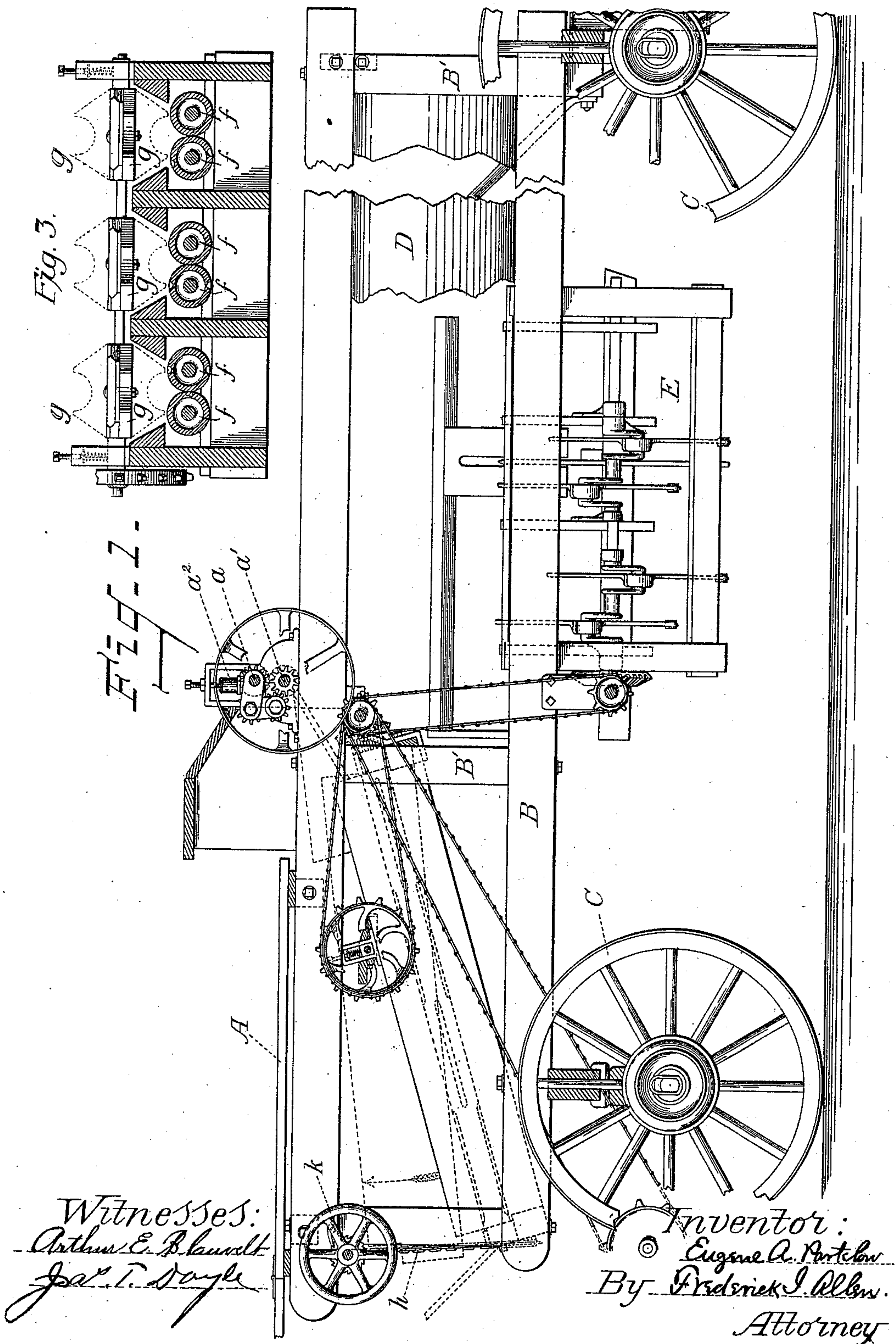
(No Model.)

4 Sheets—Sheet 1.

E. A. PARTELOW.
CORN HUSKING MACHINE.

No. 539,081.

Patented May 14, 1895.



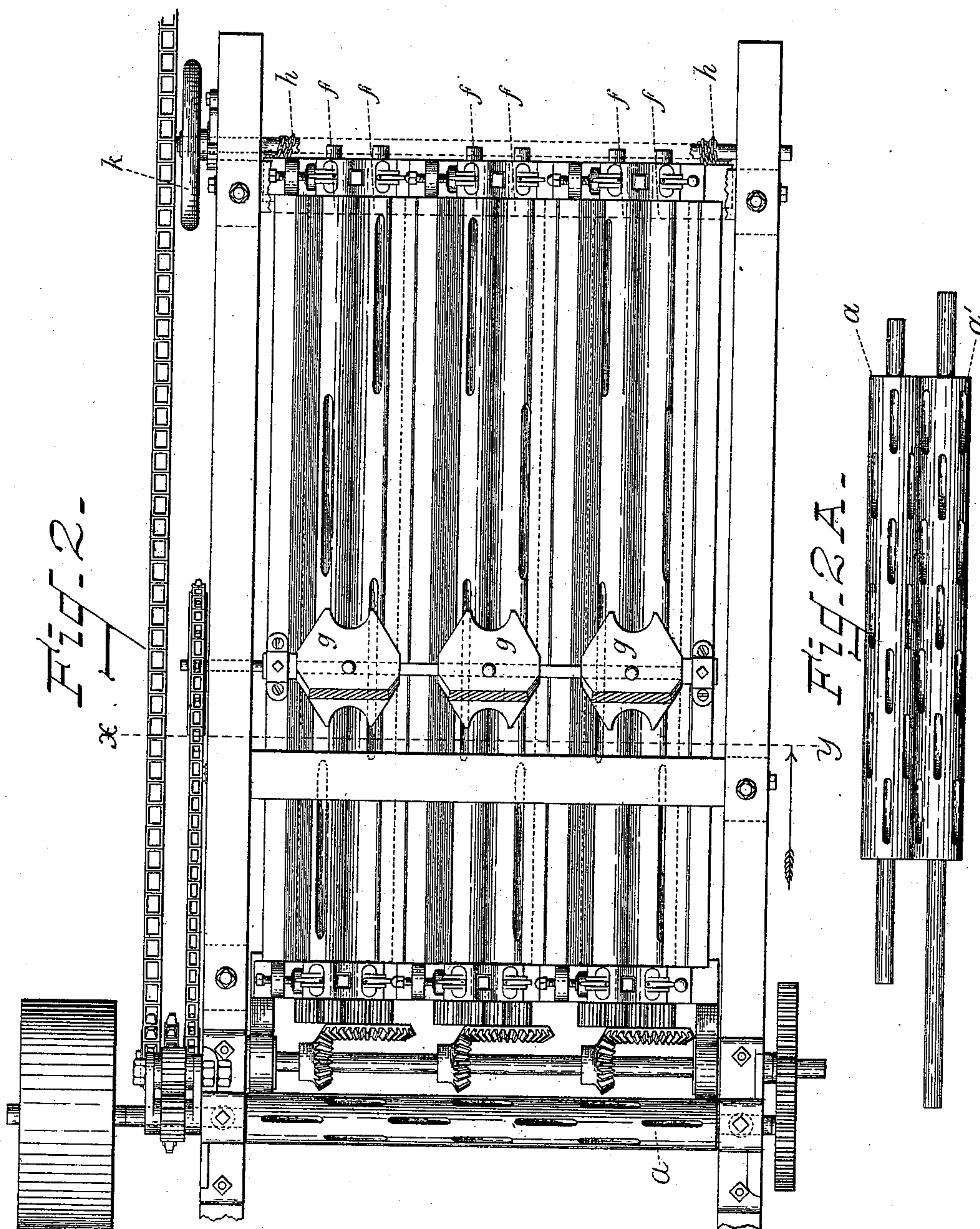
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Patented May 14, 1895.



Witnesses:
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Inventor:
Eugene A. Partelow
By Frederick J. Allen
Attorney

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Fig. 4.

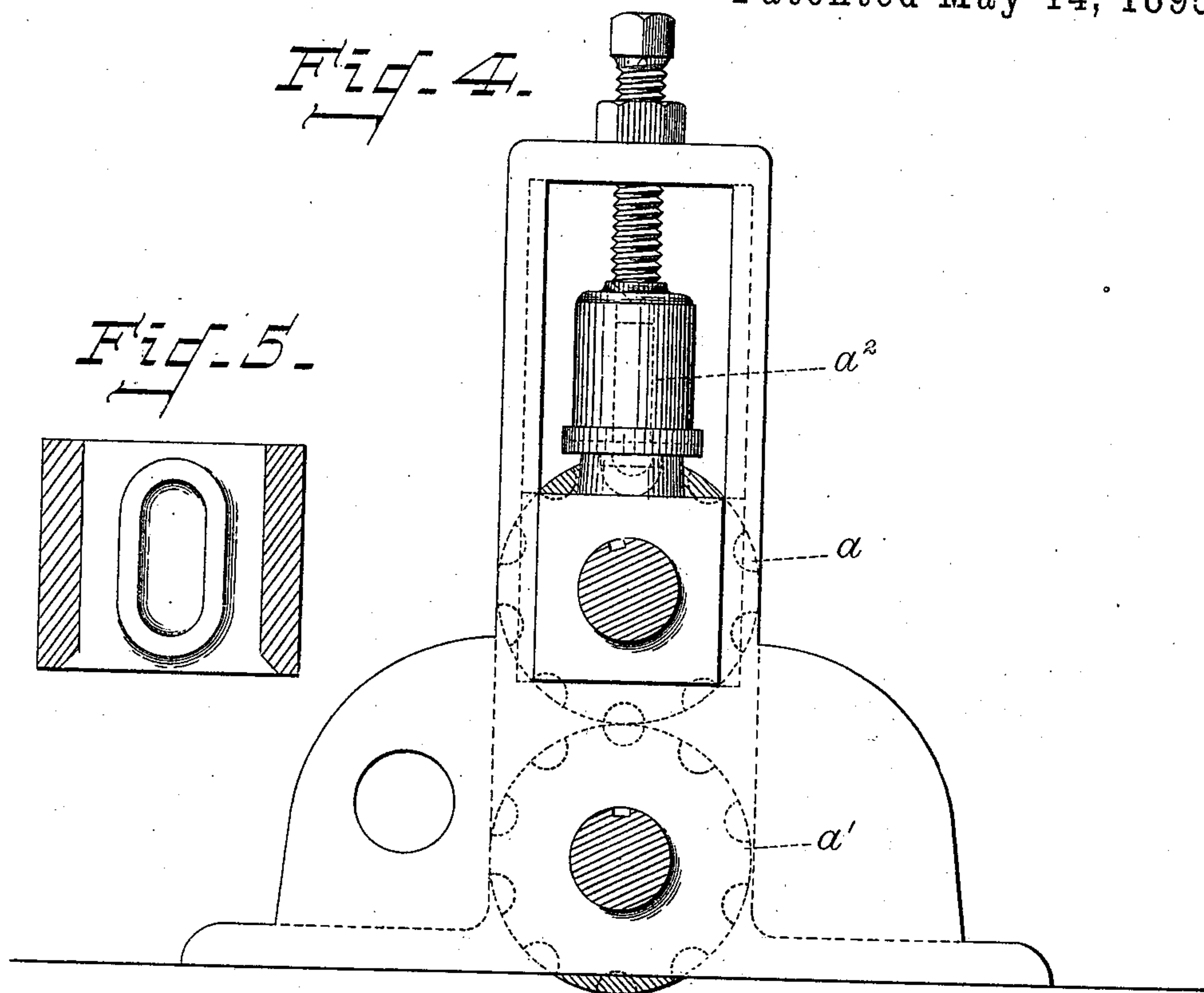
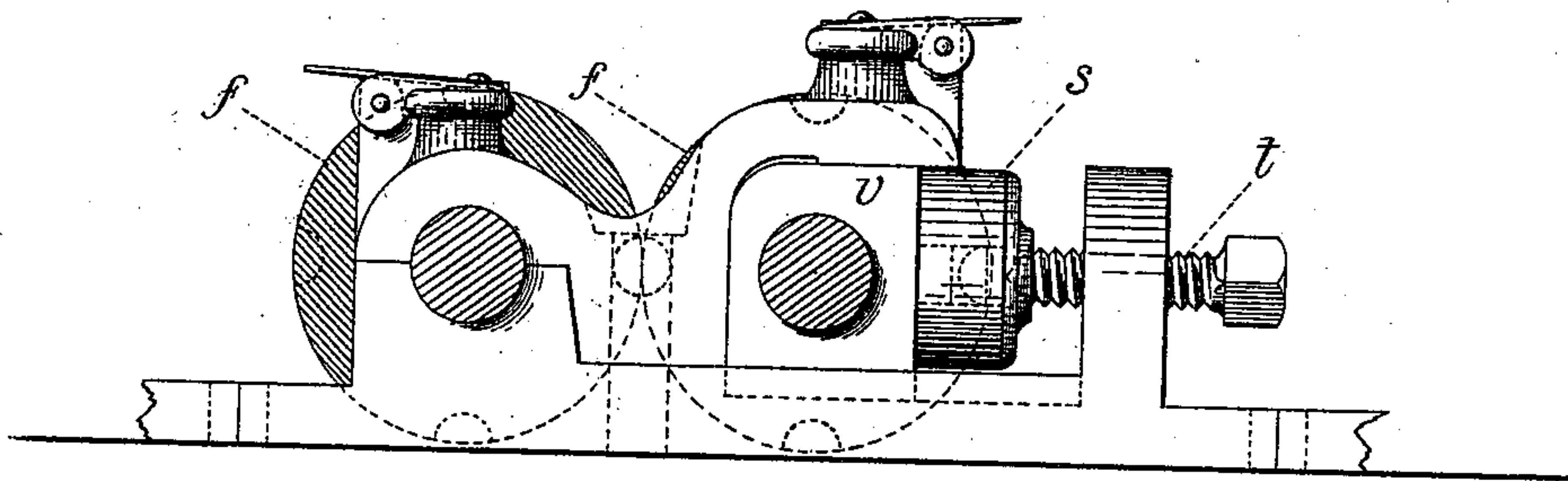


Fig. 6.



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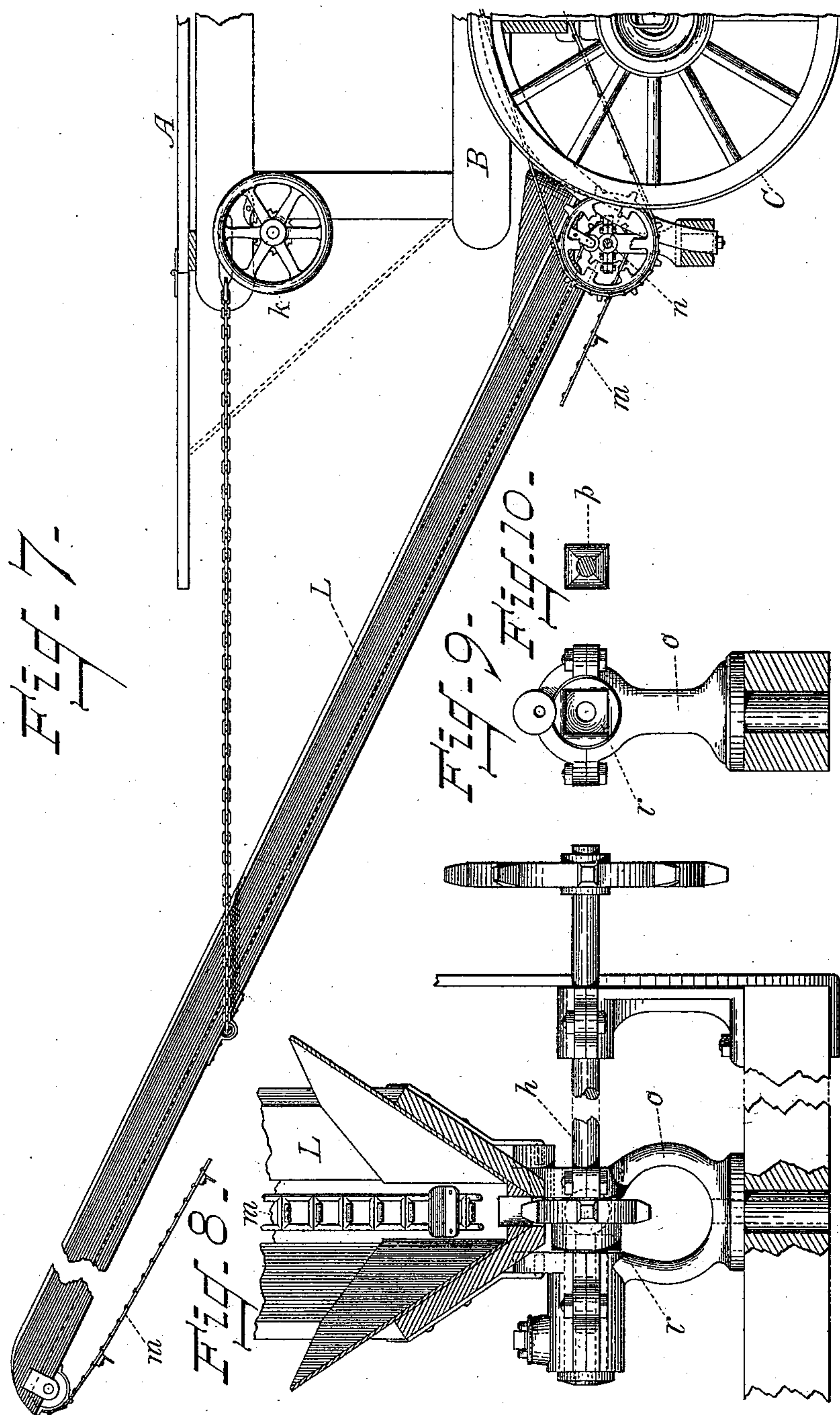
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UNITED STATES PATENT OFFICE.

EUGENE A. PARTELOW, OF CONQUEST, NEW YORK.

CORN-HUSKING MACHINE.

SPECIFICATION forming part of Letters Patent No. 539,081, dated May 14, 1895.

Application filed January 9, 1895. Serial No. 534,359. (No model.)

To all whom it may concern:

Be it known that I, EUGENE A. PARTELOW, of the town of Conquest, Cayuga county, New York, have invented certain new and useful
5 Improvements in Corn-Husking Machines, of which the following is a description, reference being had to the accompanying drawings, forming part of this specification.

In the drawings, Figure 1 is a side view, and
10 Fig. 2 a plan view, of the husking-rollers; Fig. 2^A, a pair of rollers removed, showing the alternate position of the recesses. Fig. 3 is a sectional view on the line *xy* of Fig. 2. Figs. 4, 5, and 6 are details. Fig. 7 is a side
15 view of the ear-conveyer. Figs. 8, 9, and 10 are details of the conveyer.

In the drawings similar reference-letters indicate corresponding parts.

A frame, B, B', B', is mounted on the
20 wheels C, C. Above this frame are secured the "snapping" rollers, *a*, *a'*, which serve to "snap" or break the ears of corn from the stalks, which are fed between them from the table, A. An elastic support, *a*², enables the
25 roller *a*, to yield and accommodate different thicknesses of stalks. These rollers *a*, *a'*, not only break the ears from the stalk, but are able by running at considerable speed, to throw the stalks forward into a cylindrical
30 trough, D, at the bottom of which a binder, E, binds them into bundles. In other words the binder E is arranged adjacent to and below the snapping rollers so that the latter, in addition to their usual function, serve as feed-
35 ing rollers for the binder. The binder, E, may be of any of the usual forms used for binding grain.

The ears, broken from the stalks drop upon the inclined rollers, *f*, *f*, *f*, *f*, which are geared
40 together in pairs, the rollers of each pair turning toward each other, to draw the remaining husk from the ear. These rollers, *f*, *f*, *f*, *f*, and the rollers, *a*, *a'*, are provided with shallow recesses, shown in Figs. 2^A, 2, and 4, which
45 assist in seizing the husk. These recesses are so disposed upon the faces of the rollers that in the revolution of the rollers, a recess will register with the space intermediate between two recesses of the adjacent roller. In Fig. 4,
50 the alternation of the recesses is intended to be shown by the alternate heavy and light dotted lines illustrating them. The revolving beaters, *g*, *g*, *g*, are intended to cause the ears

of corn to be properly presented to the rollers, *f*, *f*, and to permit but one ear to pass at a time 55 through the semi-circular openings shown on the edges of the beaters.

The whole series of rollers, *f*, *f*, *f*, *f*, are supported at their lower ends by chains, *h*, *h*, and a hand wheel, *k*, is provided with a pawl and
60 ratchet, and serves to wind the chains, *h*, *h*, upon its shaft, to raise the rollers, *f*, *f*.

The conveyer, Figs. 7, 8, 9, and 10, consists of a trough, having an endless chain, *m*, at its bottom, and pivoted so as to be swung into 65 position as desired. Power is transmitted to the conveyer chain, *m*, by means of the shaft, *n*, which is provided with a cap, *p*, having a square cross section and an end of hemispherical form, by which means it may be in- 70 serted in the socket *p*, and permit considerable horizontal or vertical train to the conveyer, the pulley driving the belt, *m*, being secured upon the outside of the socket, *r*.

The rollers, *f*, *f*, *f*, *f*, are supported in bear- 75 ings, one of which is illustrated in Fig. 6. These bearings are provided with boxes one of which is shown at *v*, which is supported by a set screw, *t*, and an elastic support, *s*, (preferably a disk of india rubber,) is inter- 80 posed between the screw and box, by which means the distance between the pair of rollers, *f*, *f*, may be varied as the thickness of the husk requires.

Having thus described my invention, what 85 I claim as new, and desire to secure by Letters Patent, is—

1. In a corn husking machine, the combination with the snapping rollers thereof, of a binder arranged adjacent to and below said 90 rollers so that the latter may serve as feeding rollers for the binder.

2. In a corn husking machine, the combination with snapping rollers for removing the ears of corn from the stalks, of rollers for re- 95 moving the husks from the ears, beaters for causing the ears to be properly presented to the husk-removing rollers, and a binder arranged adjacent to the said snapping rollers so that the stalks will be fed to the said binder 100 by said snapping rollers, substantially as set forth.

EUGENE A. PARTELOW.

Witnesses:

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