

(No Model.)

P. FISHER.

FEED CHAIN FOR FEED CUTTERS.

No. 334,367.

Patented Jan. 12, 1886.

Fig. 1.

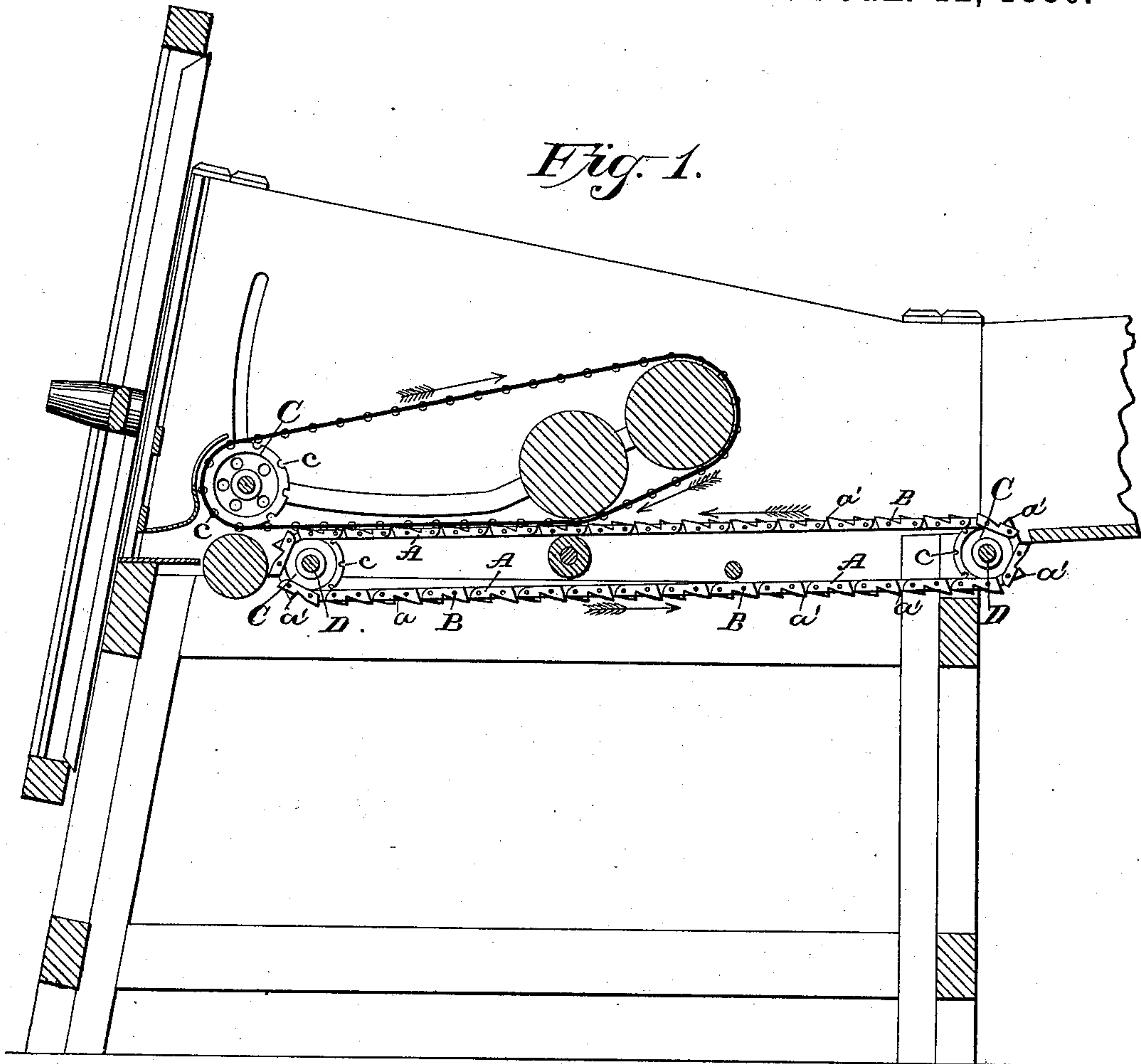
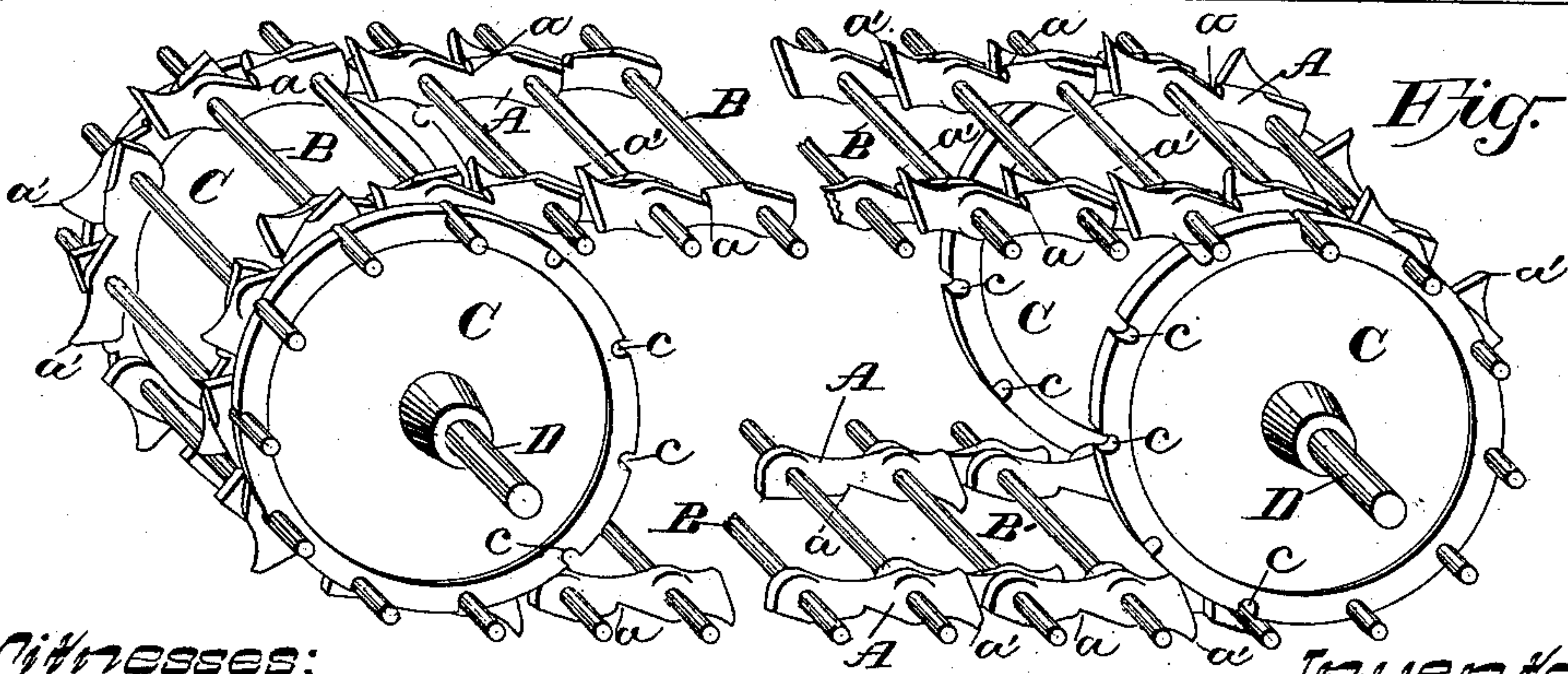


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

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FEED-CHAIN FOR FEED-CUTTERS.

SPECIFICATION forming part of Letters Patent No. 334,367, dated January 12, 1886.

Application filed July 6, 1885. Serial No. 170,732. (No model.)

To all whom it may concern:

Be it known that I, PETER FISHER, of Oak Creek, in the county of Milwaukee, and in the State of Wisconsin, have invented certain new and useful Improvements in Feed-Chains for Feed-Cutters; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates particularly to feed-cutters; and it consists in a feed-chain of peculiar construction, as will hereinafter be fully described.

In the drawings, Figure 1 is the central longitudinal section through the feed-cutter with my improved chain in place. Fig. 2 is a perspective view of my chain in place on suitable drums.

Each link of the chain consists of a body, A, having the contour shown in the drawings, with the top of one end plane or slightly depressed, and the bottom of this end slightly rounded, while at or near the center of its upper face the body is notched, as at *a*, and then at its end opposite that just described the body is formed with a spur, *a'*, that projects forward, as shown, in the direction of the two arrows that are shown adjacent to the chain in Fig. 1, and from the point of this spur that end of the link is beveled backward. These links are generally arranged in pairs, so as to form two chains, and are strung upon rods B, which project out beyond them to engage with notches *c* of wheels C, which are also arranged in pairs, each pair upon an axle, D, each pair of wheels and one axle forming a drum. I have shown a double chain, but may use only a single chain when occasion requires.

The operation of my device is as follows: As the chain is running in the direction indicated by the arrows, the spurs *a'* and the

notches *a* will take into the material being fed to the cutter with a firm hold, each link acting upon the material until it passes over the inner drum, when it falls below the line of travel of the material, and releases it just as it is taken by the feed-roll, and thus it will act as a constant carrier. It will be seen that the spur *a'* of each link in a pair adjoins the notch *a* of its neighbor that projects ahead of it, and that while the chain is level the spurs of the upper portion of it take into the hay or other material; but as the chain passes over the inner drum the spurs are depressed and the material is lifted off of the spurs by the intermediate portion of each companion link.

My device is easily made and very durable.

I am aware that spurred links, broadly, are not new, and therefore I disclaim such.

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

1. A feed-chain for straw cutters, consisting of a series of links arranged in pairs, each link having on top and at one end a forwardly-projecting spur, and midway between its ends a notch, while its end opposite the spur is rounded, as set forth.

2. The combination, in a feed-chain for straw-cutters, of the links A, arranged in pairs, each having a notch and spur, as described, with connecting-rods B, as set forth.

In testimony that I claim the foregoing I have hereunto set my hand, at Milwaukee, in the county of Milwaukee and State of Wisconsin, in the presence of two witnesses.

PETER FISHER.

Witnesses:

S. S. STOUT,

H. G. UNDERWOOD.