

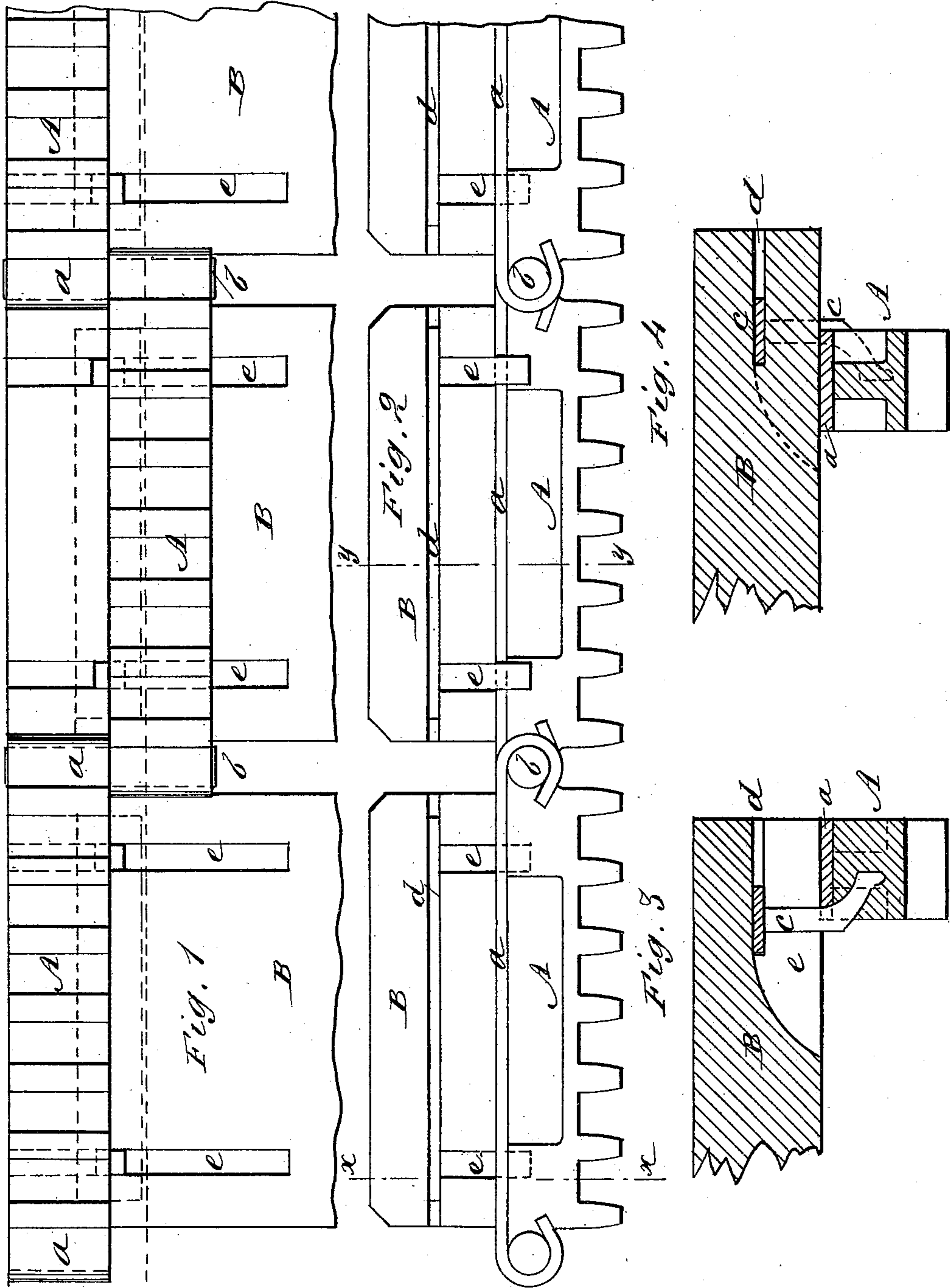
(No Model.)

B. L. OLDS.

LINK FOR HORSE POWERS.

No. 250,957.

Patented Dec. 13, 1881.



WITNESSES :

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BARNARD L. OLDS, OF ST. ALBANS, VERMONT.

LINK FOR HORSE-POWERS.

SPECIFICATION forming part of Letters Patent No. 250,957, dated December 13, 1881.

Application filed September 13, 1881. (No model.)

To all whom it may concern:

Be it known that I, BARNARD L. OLDS, of St. Albans, Franklin county, Vermont, have invented a new and useful Improvement in
5 Links for Horse-Powers, of which the following is a specification.

My invention relates to the means by which the lags are secured to the jointed links of the endless treads in horse-powers; and it consists
10 in loops or stirrups forming part of the links and engaging slotted lags, by which arrangement I am enabled to use lags of uniform construction and avoid the use of bolts.

In the accompanying drawings, Figure 1 is
15 an inverted plan view of a number of the links and the lags connected thereto. Fig. 2 is a side view of the same; and Figs. 3 and 4 are cross-sections, respectively, on the lines *xx* and *yy* of Fig. 2.

20 Similar letters of reference indicate corresponding parts.

A A are the links, formed of cast-iron, and having the wrought-iron caps *a*, that form loops at the ends for the joint-pins *b*, as usual. B B
25 are the wooden lags, attached to the links A by loops or stirrups *c*. The loops or stirrups *c*, by which the links and lags are connected, are preferably malleable iron, and connect rigidly by their ends to the links. They are at-
30 tached by being placed in the molds in which the links are cast. The lags are formed at

their ends with cross-mortises *d* and longitudinal mortises *e*, into which the loops enter, so that the ends of the lags are firmly held, and the loops are also covered and protected by
35 the lag. The lags attached to the links, as shown, are held as rigidly as by bolts, and there can be no endwise movement. To obtain the offsetting of the links required to joint them, as seen in Fig. 1, the alternate link has
40 only to be reversed to bring its loop at the opposite side, as illustrated by the two positions shown in Figs. 3 and 4. The lags need no alteration to effect this, and therefore can be got
45 out uniformly, instead of requiring bolt-holes in different positions, as is the case when bolts are used.

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

1. The horse-power link, provided with a
50 rigid loop or stirrup, *c*, for connection of the wooden lag, substantially as shown and described.

2. The combination of the link A, provided with loop *c*, and the lag B, provided with mor-
55 tises that receive the loop, substantially as shown and described.

BARNARD L. OLDS.

Witnesses:

ELLIOT K. BREWER,
ALMERIN TINKER.