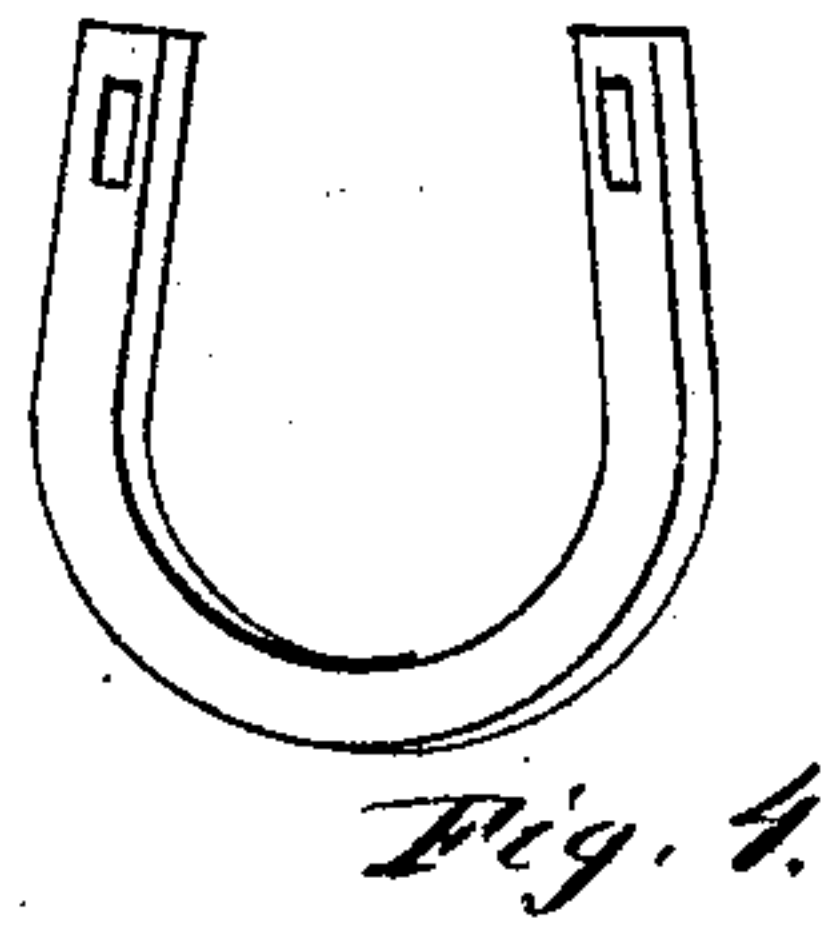
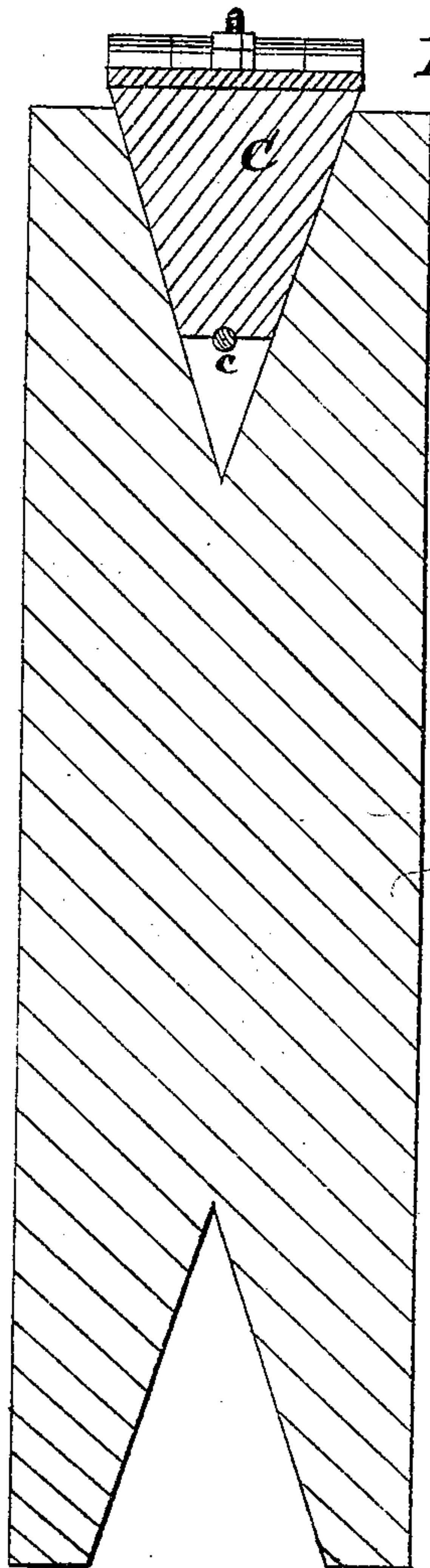
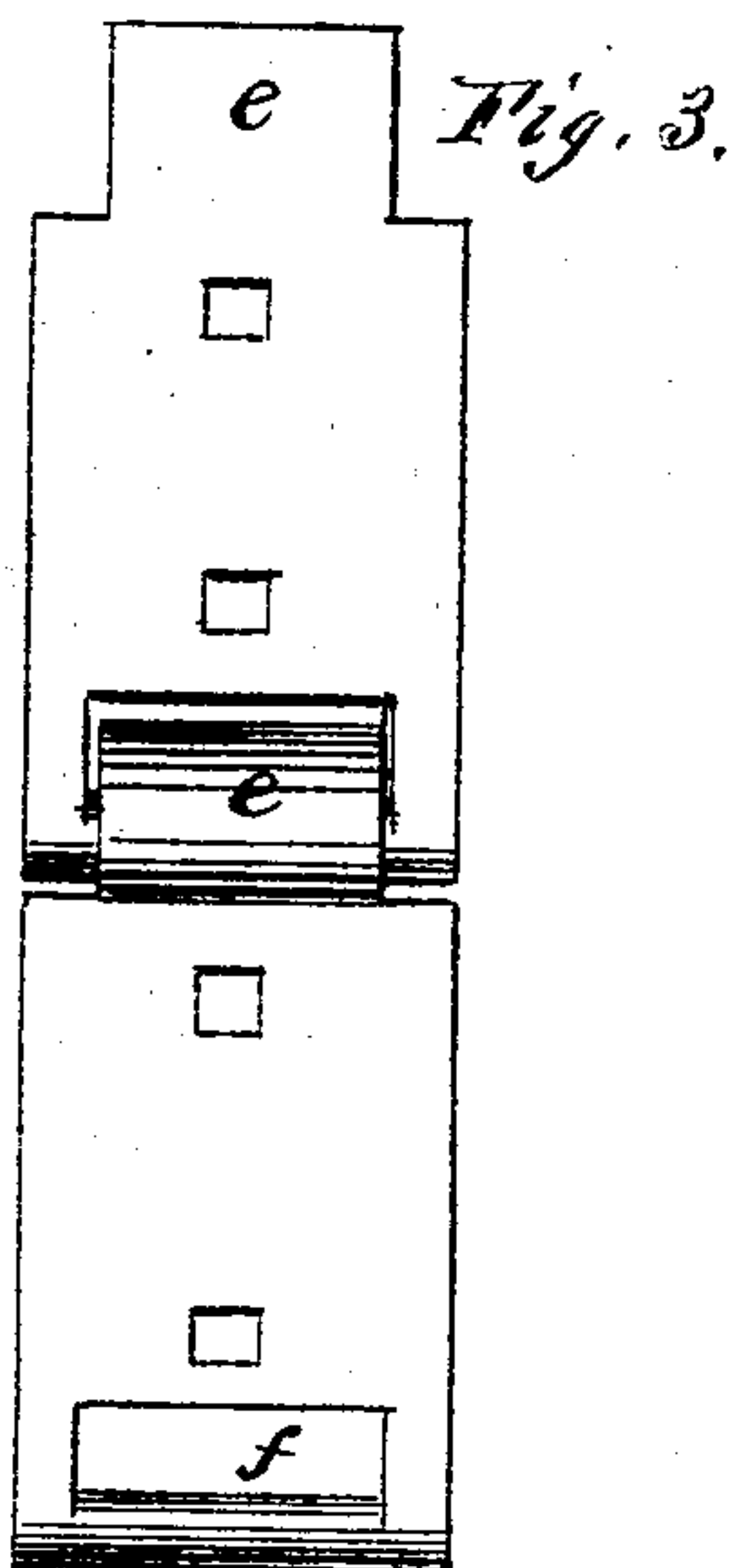
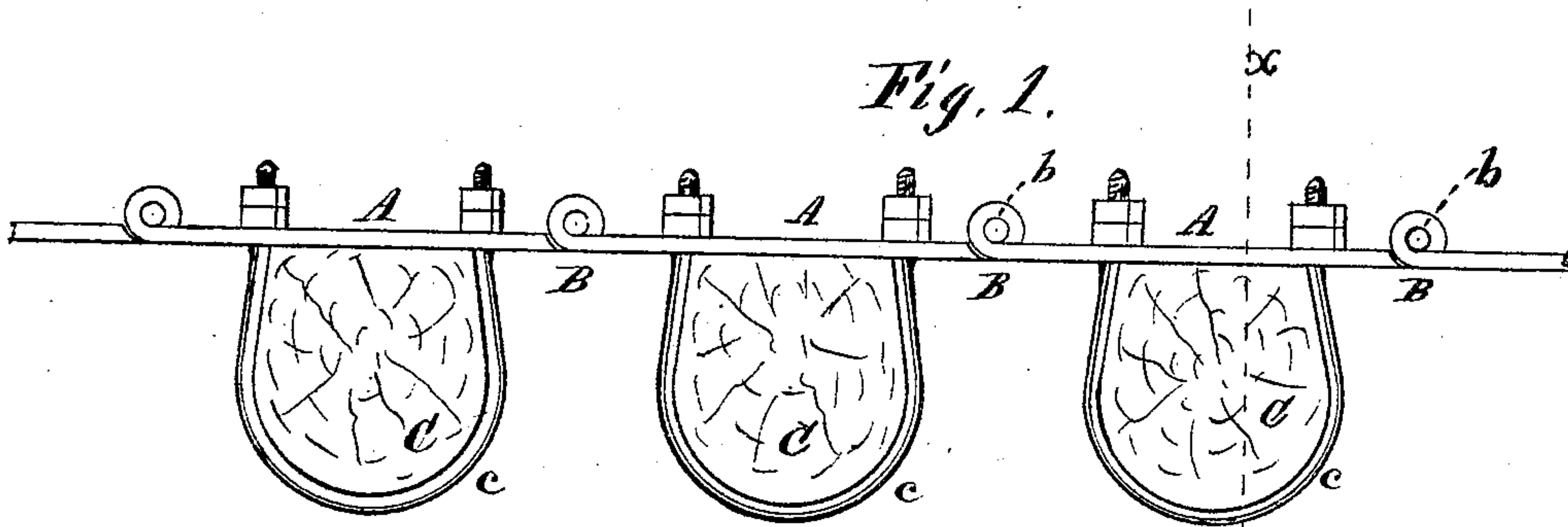


W. R. COLTON.

Driving Belts.

No. 135,409.

Patented Feb. 4, 1873.



Witnesses:
Wm. J. Dodge
W. J. Gillett

Inventor:
Walter R. Colton

UNITED STATES PATENT OFFICE.

WALTER R. COLTON, OF SYRACUSE, NEW YORK.

IMPROVEMENT IN DRIVING-BELTS.

Specification forming part of Letters Patent No. 135,409, dated February 4, 1873.

To all whom it may concern:

Be it known that I, WALTER R. COLTON, of Syracuse, in the county of Onondaga and State of New York, have invented an Improved Driving-Belt, of which the following is a specification:

This invention relates to an improved construction of V-shaped driving-belts for grooved pulleys; and consists in a jointed iron belt with wooden lugs attached that engage with the groove of the pulley, as hereinafter more fully described.

Figure 1 is a side view of a short piece of the belt; and Fig. 2 is a cross-section of the same taken in the line *x x*, Fig. 1—also showing the pulley in section. Figs. 3 and 4 show modifications in the construction of details.

Similar letters of reference indicate parts in the separate figures.

The body of the belt is made up of flat sections or links A A, that are hinged or pivoted together at B B by pivots *b b*. A wooden lug, C, is firmly secured to each link by a band of iron, *c*, passed around it; the ends of the band passing through the link and secured on the opposite side by jam-nuts, as shown, so that the retaining-band *c* can be tightened readily, and can also be slackened at any time and the blocks of wood renewed when they have become worn. The retaining-bands *c* can be riv-

eted into the links for greater simplicity, and cut off for removing them; or they may be cast of malleable iron, with eyes for straining-keys, as shown in Fig. 4. The pivots *b b* can also be dispensed with by casting the links of malleable iron with tongues *e*, Fig. 3, that are bent into corresponding eyes in *f*, the opposite ends of the links.

By these means I obtain a belt that is durable and strong, and can be manufactured at a moderate cost.

I am aware that jointed belts, with V-shaped sections have been made; and therefore I do not claim this construction broadly, but—

I claim—

1. A jointed belt, composed of flat metallic sections A, each provided with a V-shaped wooden block, C, rigidly attached, substantially as herein shown and described.

2. The combination of the metallic sections A, wooden blocks C, and adjustable bands *c*, all constructed and arranged substantially as herein described.

The above specification of my invention signed by me.

WALTER R. COLTON.

Witnesses:

W. J. GILLET,
GEOFFRY C. MORRIS.