(Model.)

N. JACKSON.

TRACTION ENGINE.

No. 282,197. Patented July 31, 1883.

fig 1.

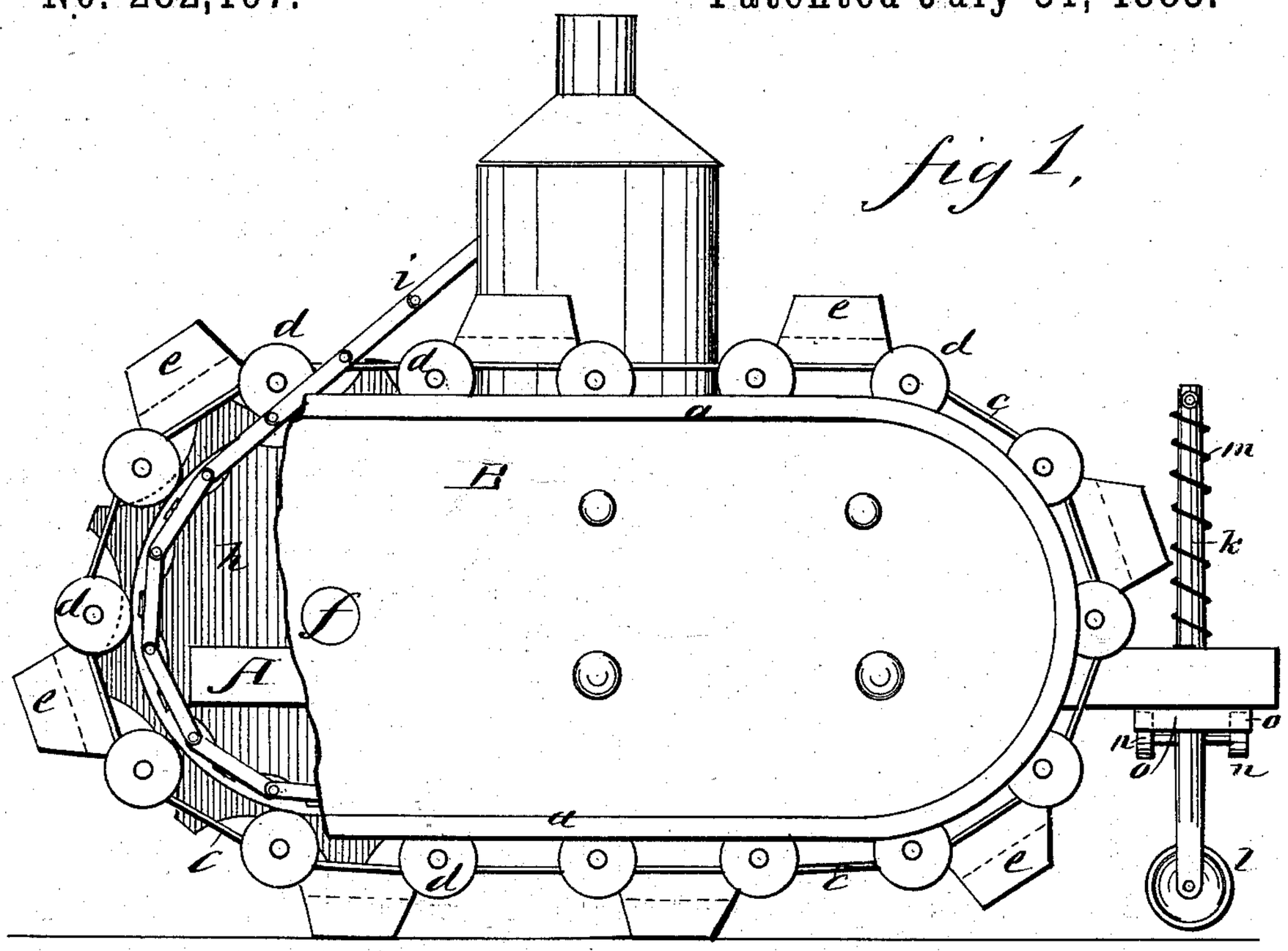


fig 2.

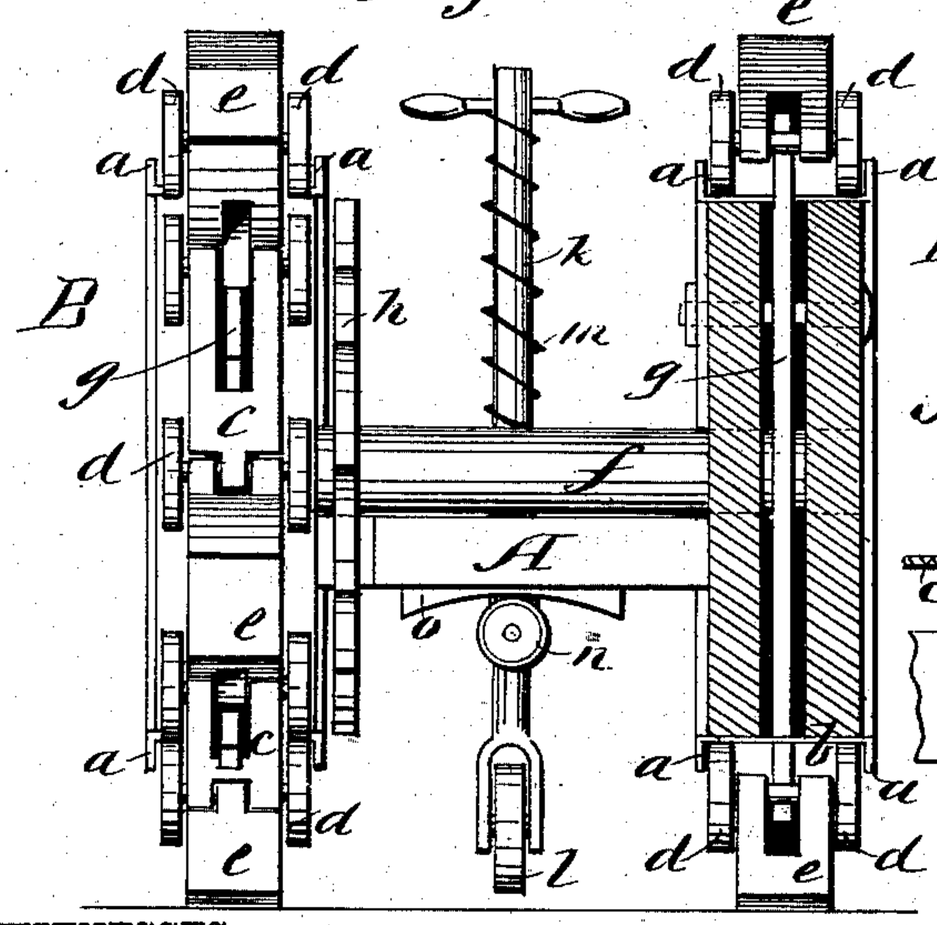


fig 3.

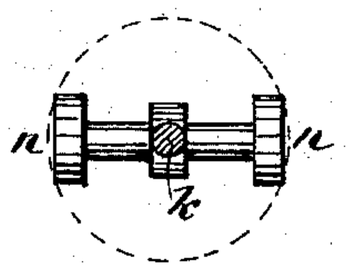
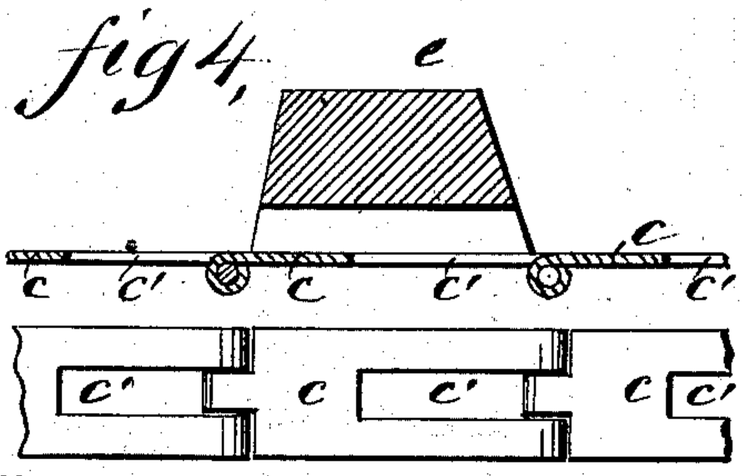


fig 4.



WITNESSES:

Chas. J. Howell

b. Sedgwick

INVENTOR:

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ATTORNEYS.

UNITED STATES PATENT OFFICE.

NOAH JACKSON, OF GRELTON, OHIO.

TRACTION-ENGINE.

SPECIFICATION forming part of Letters Patent No. 282,197, dated July 31, 1883.

Application filed April 2, 1883. (Model.)

To all whom it may concern:

Be it known that I, NOAH JACKSON, of Grelton, in the county of Henry and State of Ohio, have invented a new and Improved Traction-Engine, of which the following is a full, clear, and exact description.

The object of the invention is to improve traction-engines, as hereinafter described, and pointed out in the claim.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a partly-sectional side view of my improved traction-engine. Fig. 2 is an end elevation, partly sectional. Figs. 3 and 4 are detail views.

A is the main platform of the engine, provided with vertical side frames, B B, that are oblong and formed with rounded ends. Around the sides B are endless tracks *b*, formed with the side flanges, *a a*, and also endless chains *c c*, provided with rollers *d d*, that rest upon the tracks *b*. The chains are formed by a series of hinged links, as shown in Fig. 4, the hinge-pins connecting the links carrying the rollers *d d* at the ends. Intermediately of the rollers the chains are fitted with blocks *e*, which serve as legs for support of the sides B and platform A.

At one end of the machine is a cross-shaft, *f*, carrying upon its ends, within the sides B, chain or sprocket wheels *g*, that engage the chains *c*, each link of the chain being formed with a slot, *c'*, for that purpose. The shaft *f* is also provided with a chain-wheel, *h*, to be connected by a chain, *i*, to the driving-shaft of the engine carried upon the platform.

At the forward end of the machine is a post, *k*, having at its lower end a guide-wheel, *l;* and the post is fitted above the platform A with a spring, *m*, which raises the post and draws rollers *n n* thereon in contact with a curved block, *o*, at the under side of the platform. With the rollers *n* at the center of the block *o*, the guide-wheel *l* is raised from the ground; but when the post *k* is turned by means of its handle, the rollers *n* and the post are forced downward by the block *o*, and the rollers *l* thus brought in contact with the ground, thereby lifting the forward part of the machine and the legs *e* at that end clear of the ground, so that the machine can be turned around. The turning may be effected by throwing the chain at either side out of gear. The mechanism may also be used for the propulsion of canal-boats.

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

In traction-engines, the post *k*, guide-wheel *l*, rollers *n*, and curved block *o*, combined together and with the platform A, substantially as and for the purpose specified.

NOAH JACKSON.

Witnesses:

LINCOLN JACKSON,

DELL WATSON.