

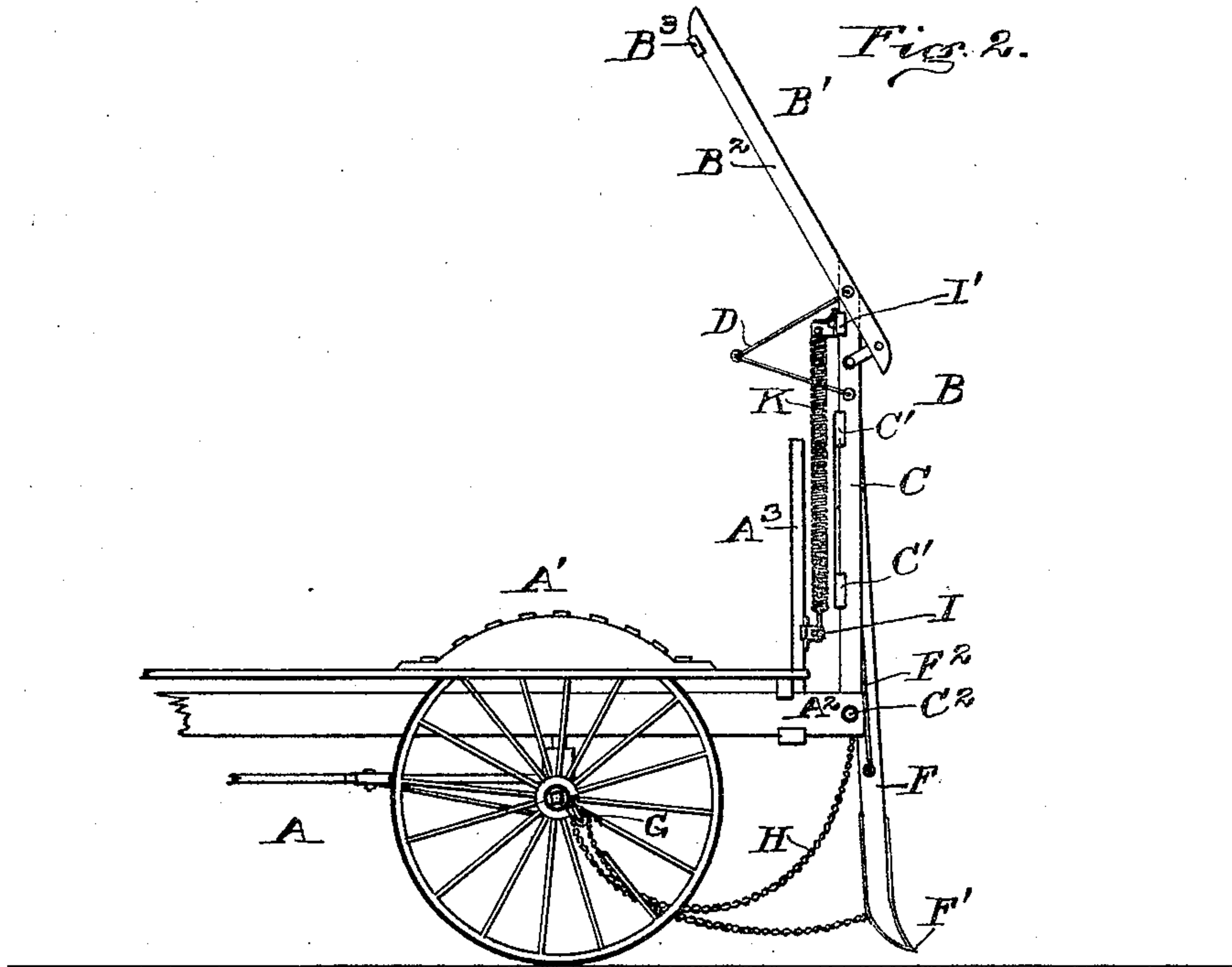
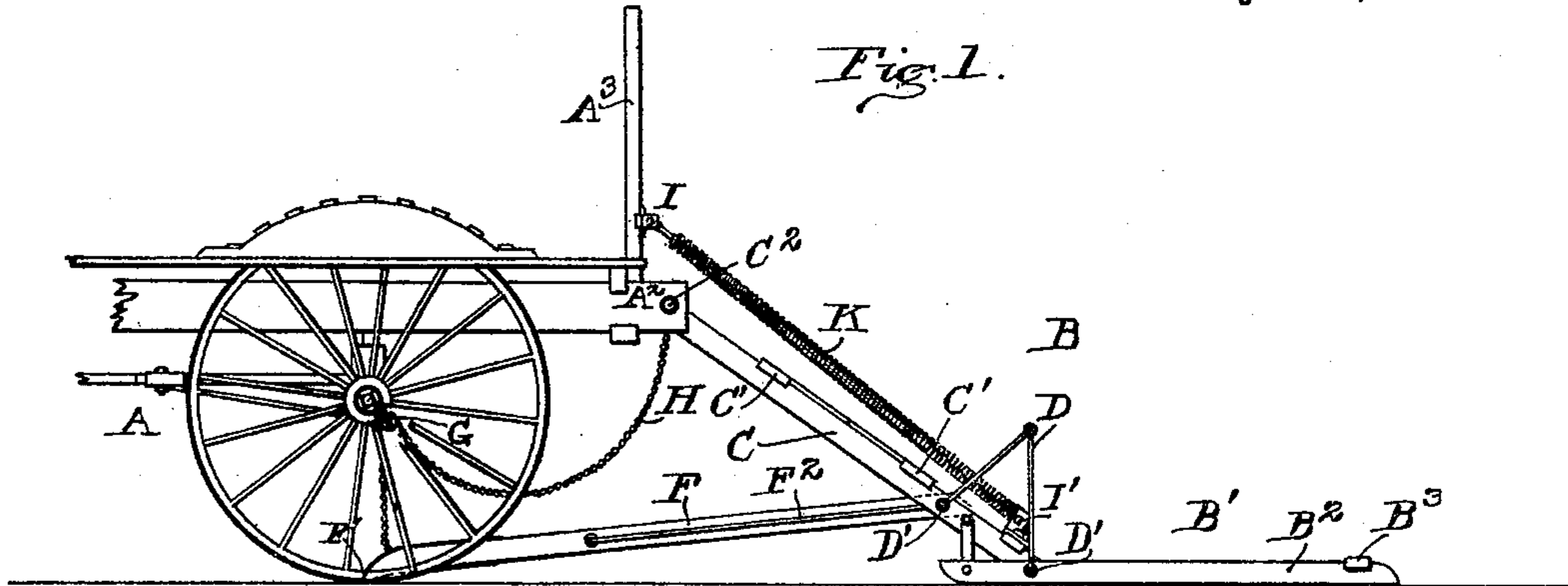
(No Model.)

2 Sheets—Sheet 1.

L. & J. W. SHANKS.
CORN SHOCK LOADER.

No. 587,082.

Patented July 27, 1897.



Witnesses:

Nellie Bunker

J. J. Monahan

Inventors.

Leo. Shanks

Per James W. Shanks
Morison Miller.
Attys.

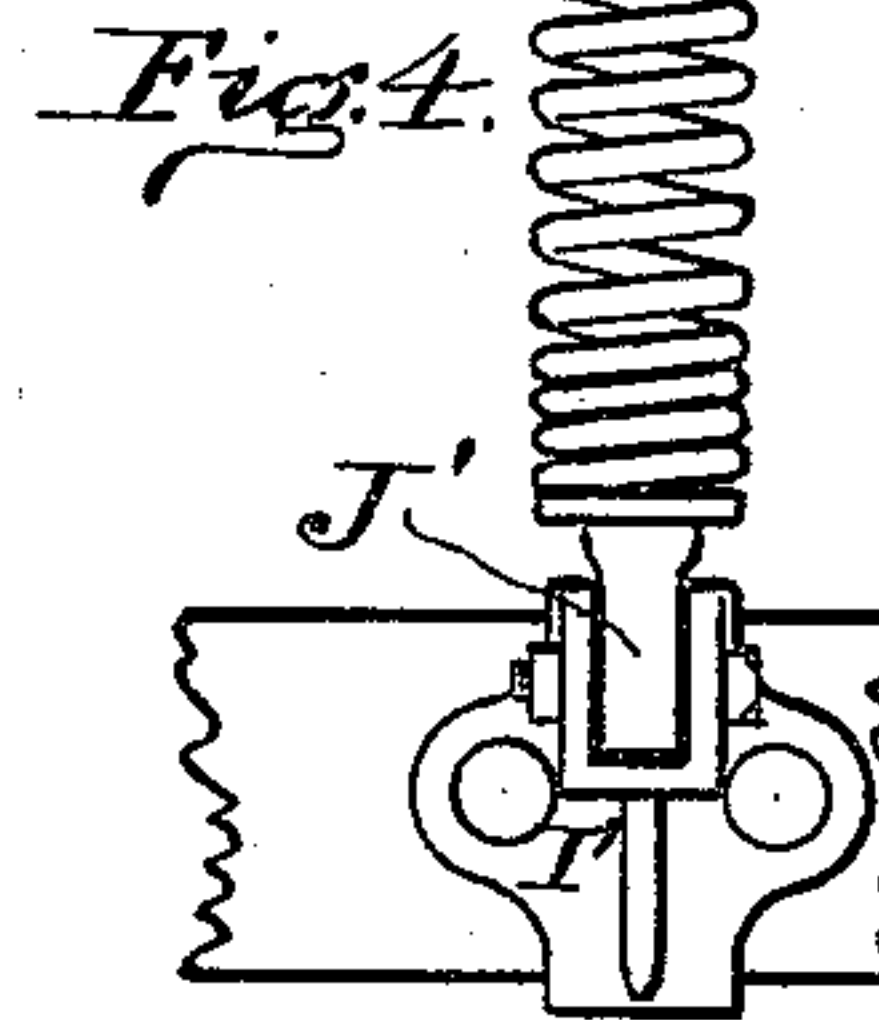
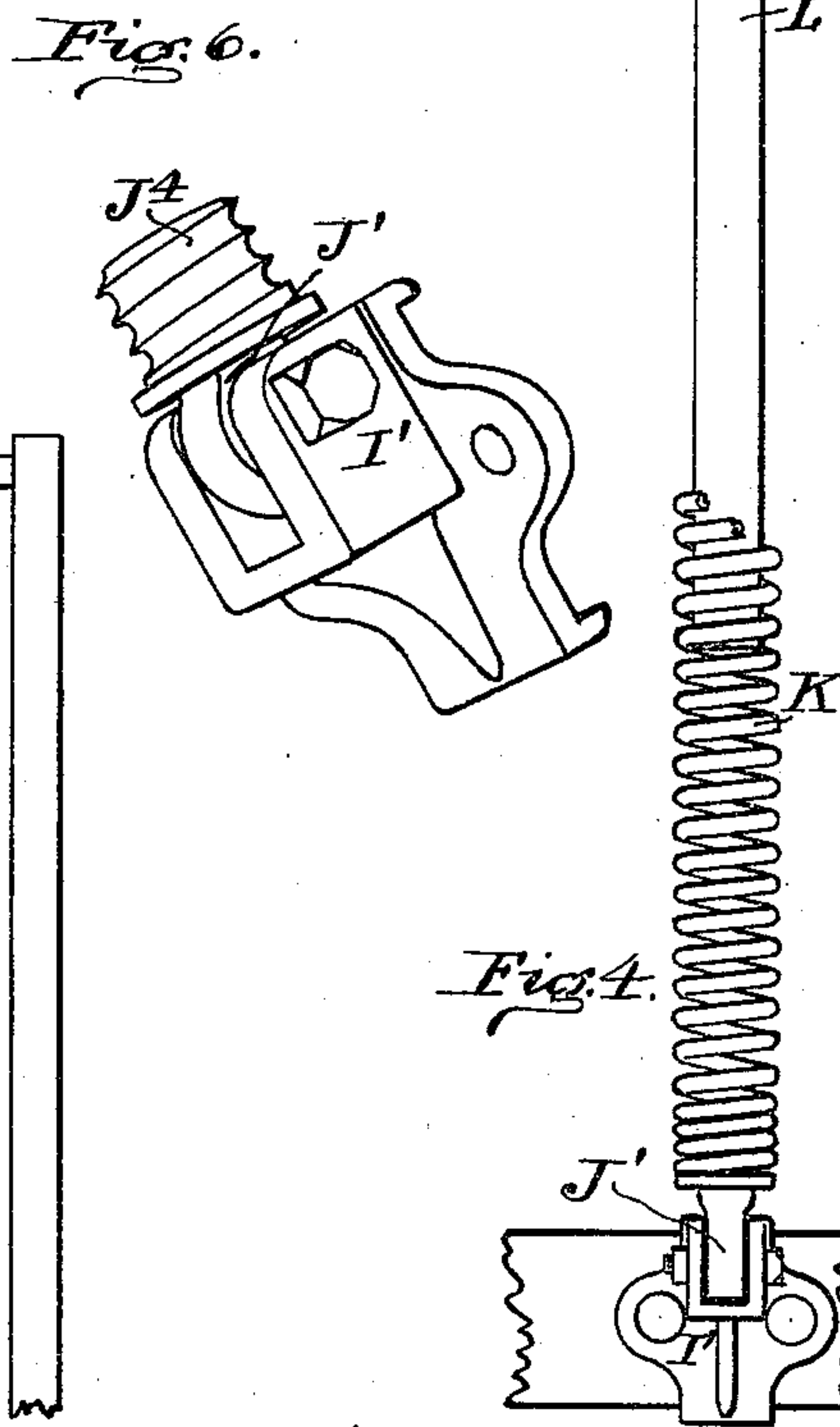
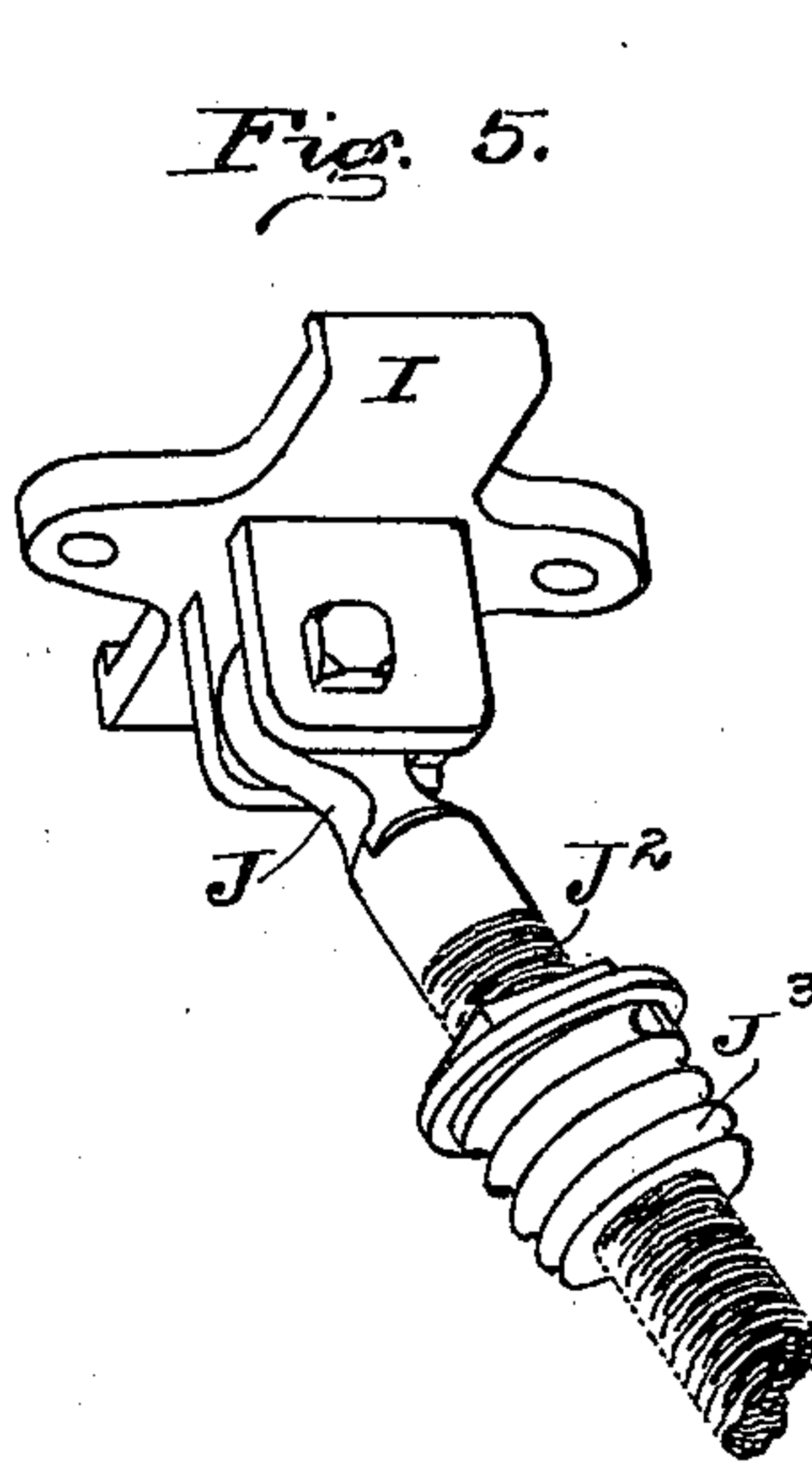
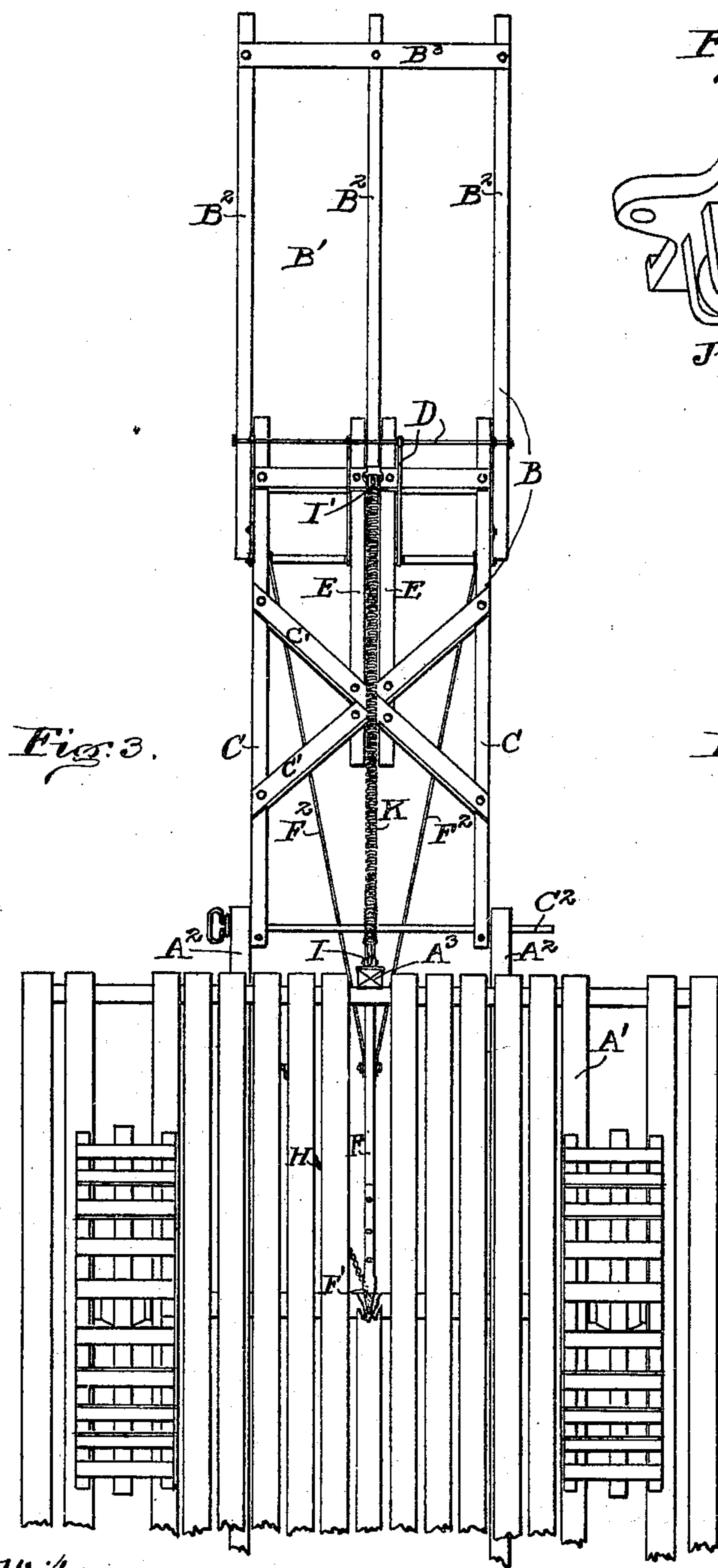
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UNITED STATES PATENT OFFICE.

LEO SHANKS AND JAMES W. SHANKS, OF ALTA, IOWA.

CORN-SHOCK LOADER.

SPECIFICATION forming part of Letters Patent No. 587,082, dated July 27, 1897.

Application filed September 18, 1896. Serial No. 606,298. (No model.)

To all whom it may concern.

Be it known that we, LEO SHANKS and JAMES W. SHANKS, citizens of the United States, residing at Alta, in the county of Buena Vista and State of Iowa, have invented certain new and useful Improvements in Corn-Shock Loaders, of which the following is a specification.

Our invention relates to an improved corn-shock loader adapted for use in connection with an ordinary rack or wagon; and its object is the production of a loader designed to be pivotally attached to the rear end of a wagon, said loader being so constructed and arranged that a shock of corn placed on the platform thereof by the operator will by a forward movement of its wagon be thereby elevated and caused to slide therefrom onto the wagon.

Referring to the accompanying drawings, which form a part of this specification, Figure 1 is a side elevation of our improvement in position to receive a shock of corn and operatively connected with the rear end of a wagon. Fig. 2 is a side elevation of the same in the position that it assumes as the shock leaves it to descend upon the wagon. Fig. 3 is a plan view of the loader with its parts in the position shown in Fig. 1, the bottom of the wagon being broken away in order to show the free end of the tongue thereof in contact with the ground. Fig. 4 is an enlarged detailed view of an auxiliary spring, the brackets for connecting the same to the wagon and loader, and a loader-stop encircled thereby. Figs. 5 and 6 are enlarged detailed views of the brackets for connecting the auxiliary spring to the wagon and loader and eyes adapted to be pivoted to the brackets and threaded exteriorly to receive the ends of the auxiliary spring.

Like letters of reference indicate corresponding parts throughout the several views.

A is a wagon provided with any suitable top or rack A', having the parts A² thereof extended slightly backward and furnished with a vertical post A³.

B is the corn-shock loader proper, consisting of the platform portion B', formed of longitudinal and cross bars B² B³, the arms C, secured together by means of the cross-pieces C' and rigidly connected with the platform B'

and pivoted by their upper ends to the parts A² of the rack A' by means of the rod C², and the shock-seat D, formed, preferably, of heavy wire or rods of metal bent in the form shown and secured to the parts B² C by means of screws D'.

E are two parallel strips secured to the loader B to form a tongue-support.

F is a tongue pivoted by one end between the strips E, provided at its free end with a beak F' and stayed laterally by means of the braces F².

G is a pulley depending from the axle of the wagon A.

H is a chain connected with the free end of the tongue F, passed over the pulley G and having its free end held by a hook (not shown) on the top A' of the wagon.

I I' are brackets, one fast to the post A³ and the other to the loader.

J J' are eyes pivoted to the brackets I I', respectively. The eye J has a threaded stem J² to receive the exteriorly-threaded nut J³, while the eye J' has an integral projecting stud J⁴, similar in outward form to the nut J³.

K is a spiral auxiliary spring having its ends turned upon the exteriorly-threaded nut J³ and the stud J⁴.

L is a loader-stop encircled by the spring K and rigidly secured by one end to the threaded stem J² of the eye J.

The tension of the spring K may be regulated by turning the stem J² through the nut J³. The function of the spring K is to assist in elevating the loader and its shock from the position shown in Fig. 1 to that shown in Fig. 2.

The loader-stop L prevents the loader from swinging over toward the wagon-top A' any farther than shown in Fig. 2 by striking against the end J³ of the threaded eye J².

To work the loader, the operator seizes the chain H, Fig. 2, up near the wagon-body A' and pulls the same, which, acting through the tongue F as a lever, thereby causes the loader to descend to the position shown in Figs. 1 and 3. A shock is next placed upon the platform B' and the wagon moved forward, when the beak F' will engage with the ground and the tongue F will elevate the loader to the position shown in Fig. 1 and the shock will slide from the inclined shock-seat D onto the wagon. The tongue F is then withdrawn from

the ground and the loader lowered into position for the next shock.

We claim—

1. In combination, a wagon, the loader piv-
 5 oted thereto and provided with the tongue for
 elevating the same, the spiral auxiliary spring
 connecting the loader with the wagon, and a
 loader-stop encircled by the spring and rigidly
 secured, by one end, to the connection be-
 10 tween the spring and wagon, substantially as
 and for the purpose specified.

2. In combination, a wagon, the shock-loader
 pivoted thereto and provided with the tongue
 for raising the same, the brackets, one fast
 15 to the wagon and one fast to the loader, the
 eyes threaded exteriorly and pivot-jointed to
 the brackets, the spiral auxiliary spring hav-
 ing its ends turned upon the threaded por-

tions of the eyes, the loader-stop encircled
 by the spring and rigidly secured, by one end, 20
 to the threaded eye connected with the loader,
 the pulley suspended from the rear axle of
 the wagon, and the chain fast, by one end, to
 the loader, and passing over the pulley to lift
 the free end of the tongue thereof, substan- 25
 tially as and for the purpose specified.

LEO SHANKS.

JAMES W. SHANKS.

Witnesses as to signature of Leo Shanks:

WM. ZEIHMAN,

H. F. SCHULTZ.

Witnesses as to signature of James W.
 Shanks:

L. L. MORRISON,

NELLIE BUNKER.