

(No Model.)

C. H. SWINK.

WAGON JACK.

No. 287,191.

Patented Oct. 23, 1883.

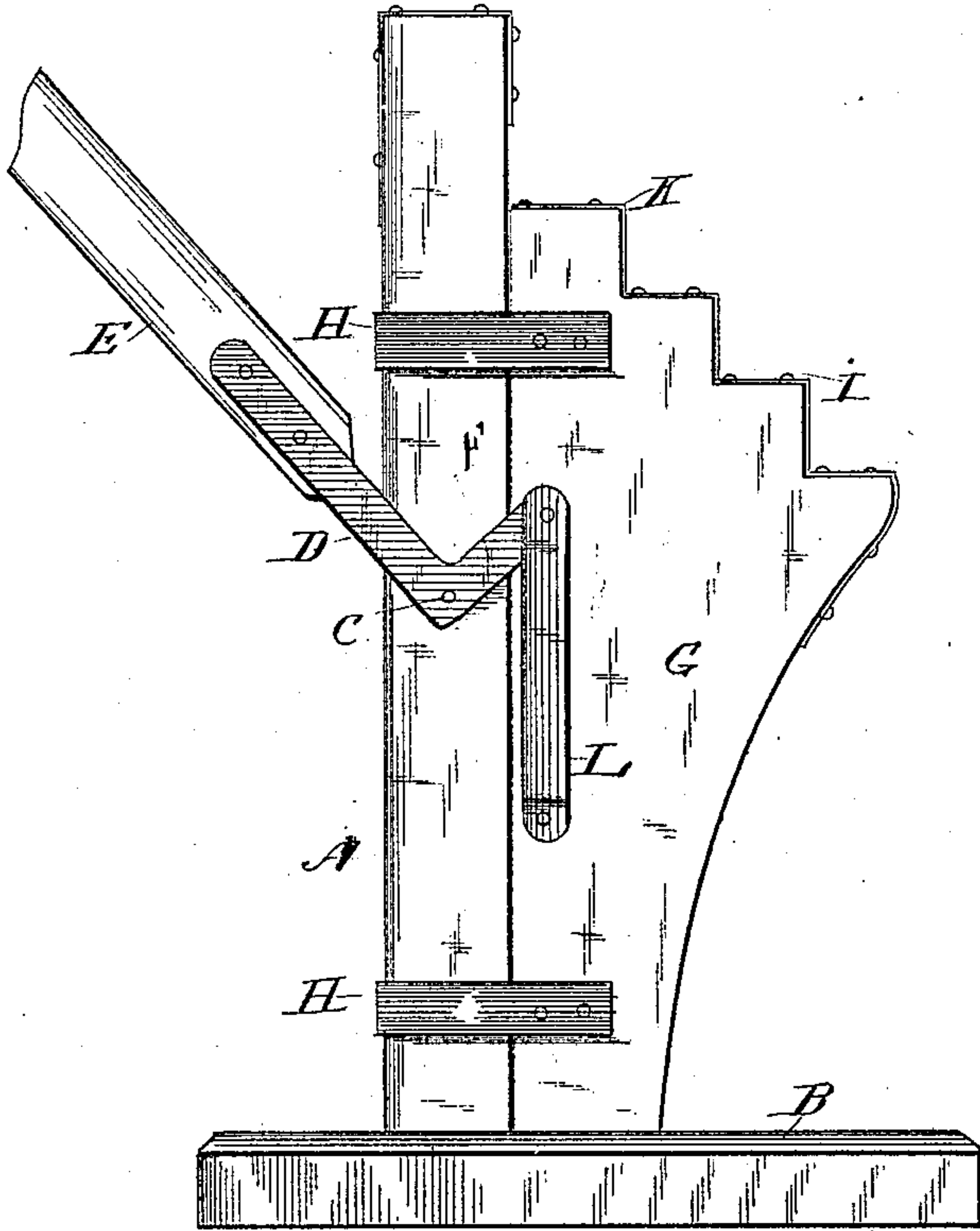


Fig. 1.

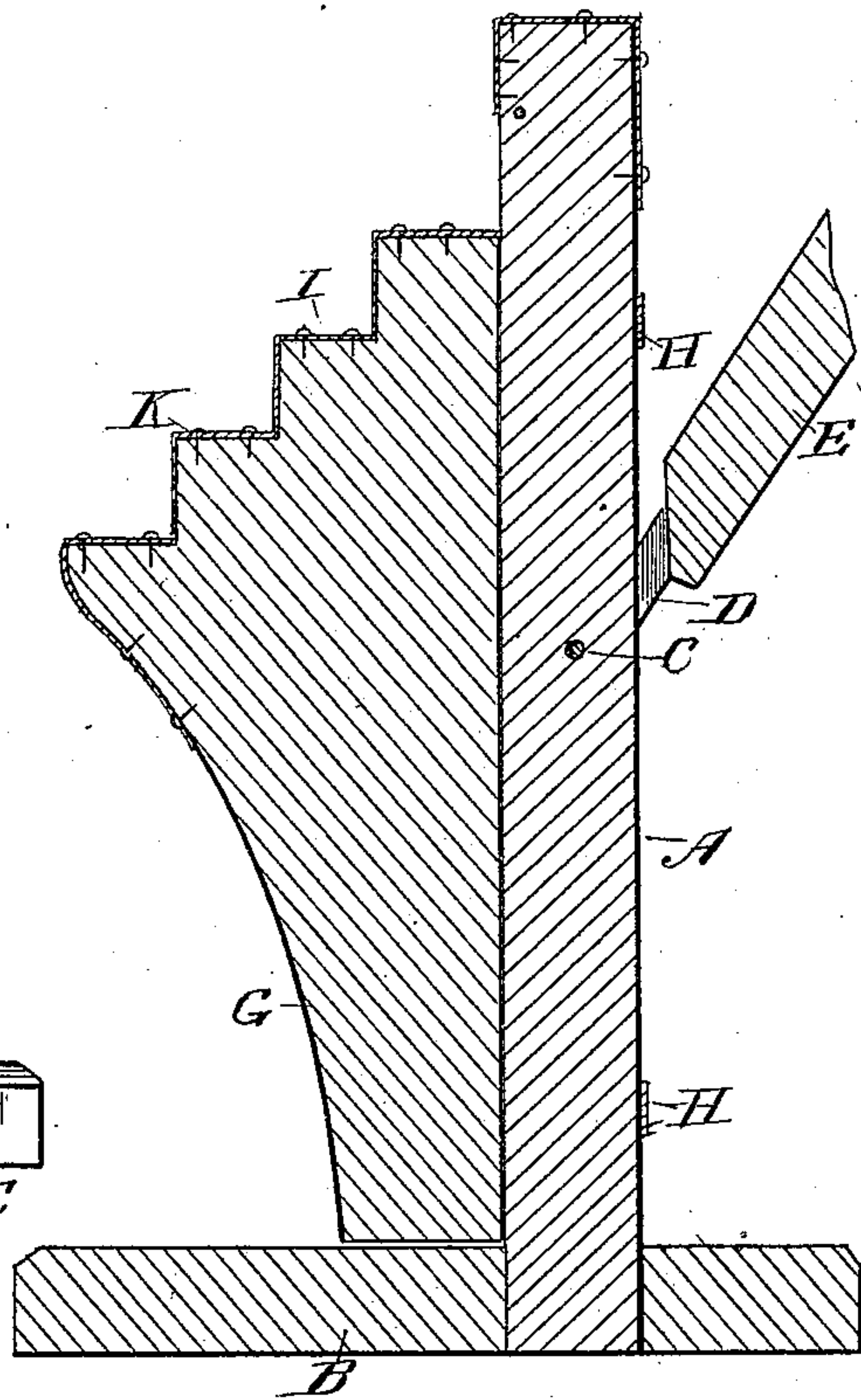


Fig. 2.

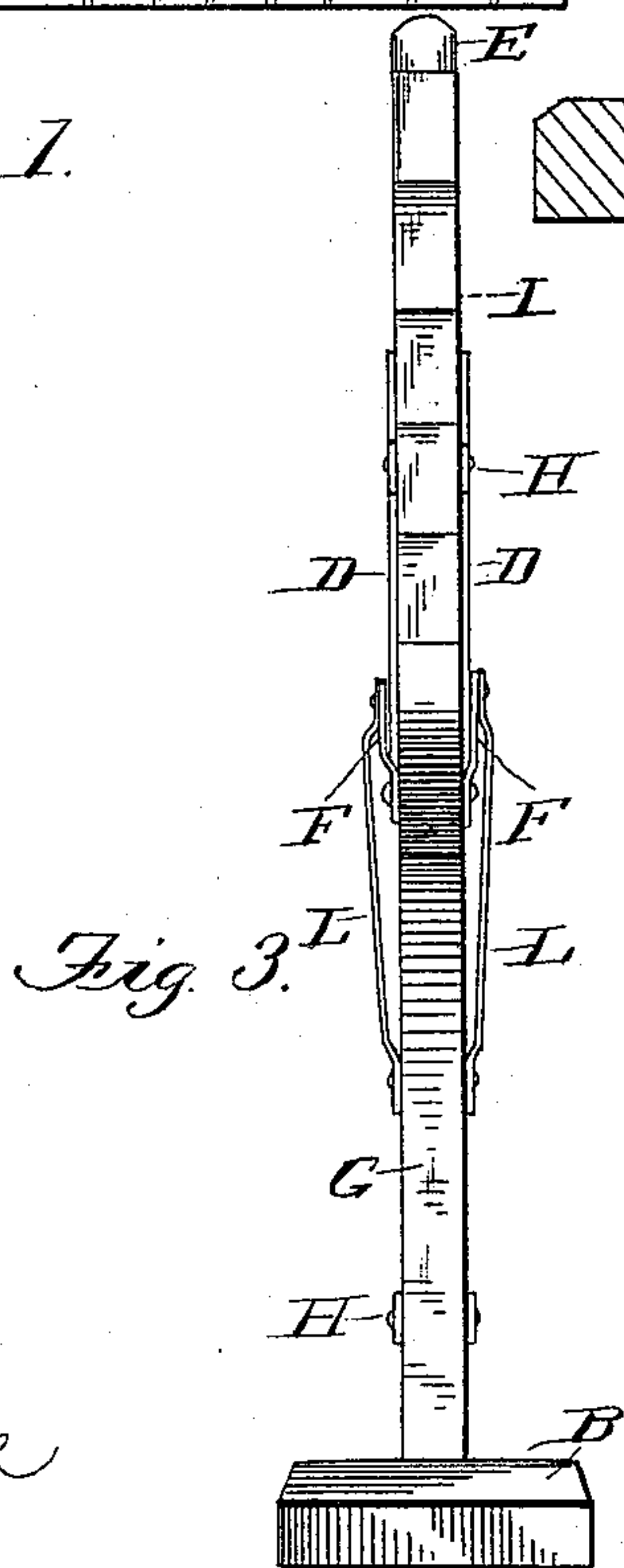


Fig. 3.

Witnesses:

Wm J Duval

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by

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Attys.

UNITED STATES PATENT OFFICE.

CLINTON H. SWINK, OF DUBLIN, PENNSYLVANIA.

WAGON-JACK.

SPECIFICATION forming part of Letters Patent No. 287,191, dated October 23, 1883.

Application filed September 19, 1883. (No model.)

To all whom it may concern:

Be it known that I, CLINTON H. SWINK, a citizen of the United States, residing at Dublin, in the county of Bucks and State of Pennsylvania, have invented a new and useful Wagon-Jack, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to lifting-jacks; and it has for its object to produce a device which shall possess superior advantages in point of simplicity, durability, and general efficiency.

To this end it consists in certain improvements in the construction of the same, which will be hereinafter fully described, and particularly pointed out in the claims.

In the drawings hereto annexed, Figure 1 is a side view of my improved lifting-jack. Fig. 2 is a vertical sectional view of the same, and Fig. 3 is a front view.

The same letters refer to the same parts in all the figures.

A in the drawings designates a vertical standard or upright, mounted upon a suitable base, B.

C is a transverse bolt journaled in the said upright, and upon the ends of which are mounted L-shaped or bell-crank levers D, between the outer or long ends of which is secured the operating-lever E. The inner or short arms of the bell-crank levers are bent outwardly and form springs, which are designated by the letters F F.

G is a block sliding vertically against the front side or face of the standard A, and having straps or bails H encircling the latter, so that the said standard and block shall be held closely in contact with each other when the device is operated. The upper end of the block G has a series of steps, I I, which are protected and re-enforced by a metallic strap or cap, K, which, in order to brace and strengthen the device, is continued down over the face of the block G.

L L are straps pivoted to the sides of the block G, a short distance below the center of the said block, and having their upper ends pivotally connected with the ends of the inner elastic arms, F F, of the bell-crank levers D.

From the foregoing description, taken in connection with the drawings hereto annexed, the operation of my invention will be readily understood by those skilled in the art to which it appertains. The lifting-jack, by means of

the steps I I, which are of unequal height, may be readily adjusted to vehicles of varying sizes. When the operating-lever is depressed, the bell-cranks D D will, through the intermediate operating rods or straps, L L, lift or raise the block G, thus lifting the article to which the jack has been applied. The elastic ends F F of the bell-cranks D will serve to throw the straps L L outwardly from the sides of the standard A, thus preventing undue friction and enabling the device to be easily and conveniently manipulated.

I claim as my invention and desire to secure by Letters Patent of the United States—

1. In a lifting-jack, the combination of a suitable upright or standard, a block sliding vertically against the front side of the same and having a series of steps at its upper end, bails or bands attached to the said block and encircling the said standard, a metal strap or binding attached to the steps and face of said block, and mechanism for raising or lifting the said block in relation to the said standard and retaining it in the position to which it may be adjusted, substantially as set forth.

2. In a lifting-jack, the combination of an upright or standard, a bolt or shaft journaled transversely in the same, bell-crank levers attached to the ends of the said bolt or shaft, an operating-lever secured between the outer or long ends of the said bell-cranks, and pivoted connecting-rods connecting the inner ends of the said bell-cranks with a lifting-block sliding vertically against the front side or face of the said upright or standard, substantially as set forth.

3. In a lifting-jack, the combination of an upright or standard, a block sliding vertically against the front side of the same and having a series of steps at its upper end, bell-crank levers pivoted to the sides of the said upright and having outwardly-projecting or elastic inner ends or arms, an operating lever or handle secured between the outer ends of the said bell-cranks, and pivoted rods connecting the inner elastic arms of the said bell-cranks with the lifting-block, substantially as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

Witnesses: CLINTON H. SWINK.
REUBEN DIMMICK,
MARTIN KEELER.