

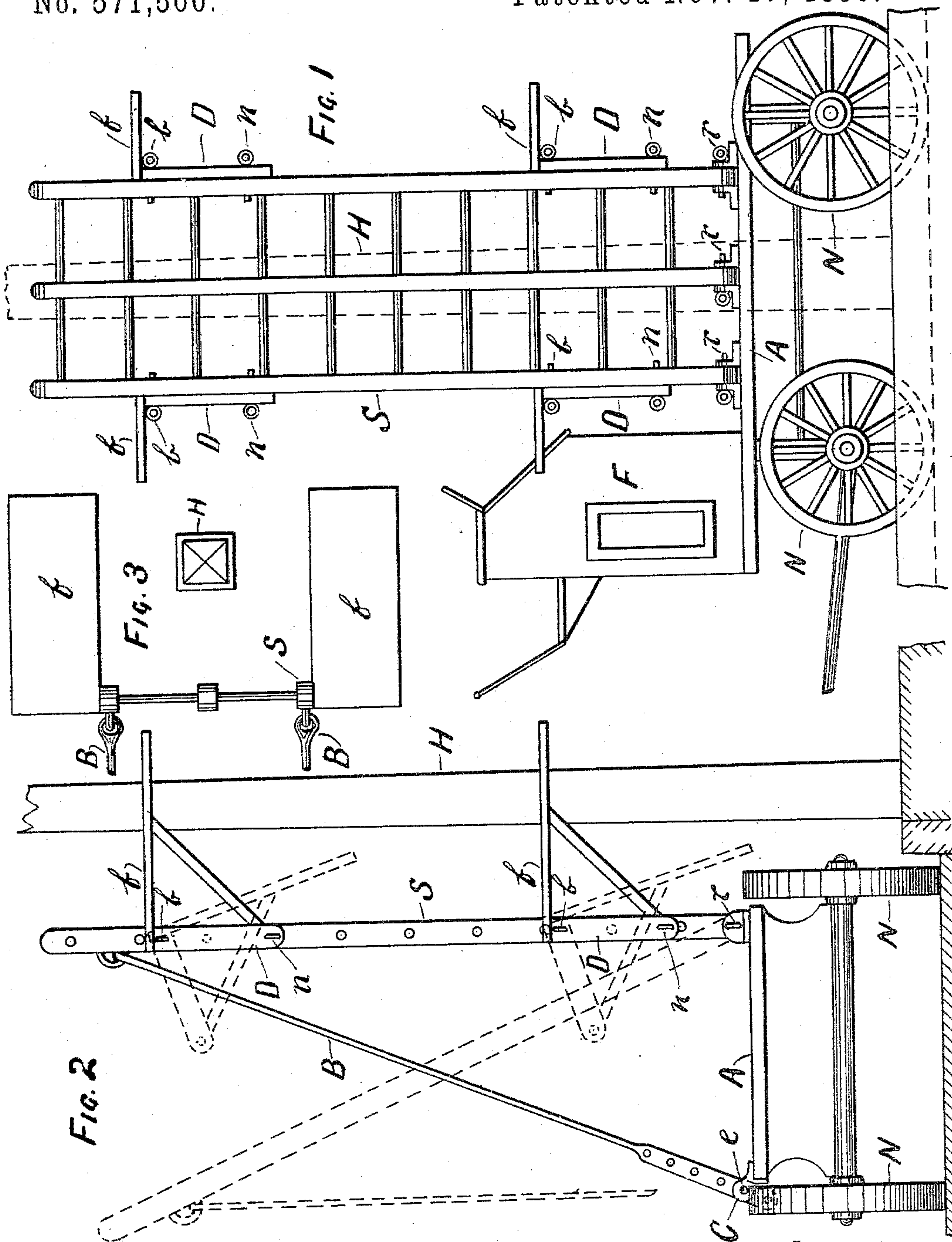
(No Model.)

H. A. FRENCH.

APPARATUS FOR USE IN PAINTING TROLLEY POLES.

No. 571,560.

Patented Nov. 17, 1896.



Witnesses:

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UNITED STATES PATENT OFFICE.

HENRY A. FRENCH, OF PROVIDENCE, RHODE ISLAND.

APPARATUS FOR USE IN PAINTING TROLLEY-POLES.

SPECIFICATION forming part of Letters Patent No. 571,560, dated November 17, 1896.

Application filed June 10, 1896. Serial No. 594,904. (No model.)

To all whom it may concern:

Be it known that I, HENRY A. FRENCH, of Providence, in the county of Providence and State of Rhode Island, have invented certain
5 new and useful Improvements in Apparatus for Painting Trolley-Poles; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to
10 the letters of reference marked thereon, which form a part of this specification.

This invention relates to apparatus for use in painting trolley-poles and other like erections to which it is applicable.

15 It is fully explained and illustrated in this specification and the accompanying drawings.

Figure 1 represents a side elevation of the apparatus in position for use. Fig. 2 is a front elevation of the apparatus, the driver's
20 seat and paint-tank being removed to show the arrangement of the main parts. Fig. 3 shows a top view of the ladder and platforms.

The object of the invention is to provide an apparatus to use in painting trolley-poles and
25 other poles used for electrical purposes, having its parts so arranged that they can be readily manipulated and the apparatus moved with facility from one pole to another and accommodate two or more workmen to work
30 at the same time, to do the work quickly and not necessitate the obstruction of a street any longer than can be avoided. Its construction is as follows:

A is a platform mounted on axles with
35 wheels N, that the apparatus may be easily moved from place to place. On this platform A, near one side, a ladder S is supported on removable pins *r r* at the lower ends, which are held between brackets fast to the plat-
40 form.

The ladder is made double by putting a stick in the middle to support the rounds, which must be long enough to reach both sides of a post at the same time.

45 Each outside bar of the ladder has a brace-rod B attached to it near its upper end by means of an eye, and the rods are held at their lower ends between brackets C, fast on the other side of the platform, the bars being
50 flattened at their lower ends to allow of holes being made through them to receive remov-

able pins *e*, that pass through the brackets and the bars. The supports for the painters consist of four knee-brackets D D, which are held, two on each side of the ladder, at a proper
55 height from the ground and each other to so divide the space to be painted that a person standing on the ground can paint to the first bracket D, and a person on that bracket can paint to the upper bracket, and one on the
60 last can paint to the top of the pole. These knee-brackets D are held on removable pins *b b*, passing through them just below the angle and the side bar of the ladder, and the lower leg of each bracket is secured to the
65 bar with a similar pin *n n*, to hold the upper leg of the bracket out horizontally, and a narrow platform *f* is secured on it for a painter to stand on while he is painting.

A box F is made on the front end of the
70 platform to hold a tank of paint and as a receptacle for brushes and to carry the seat for the driver.

In use the apparatus, with the ladder erect and the knee-brackets down in the position
75 shown by the dotted lines in Fig. 2, is driven with the wheels N just outside the curbstone T, in front of a post H, so as to have the post opposite the middle of the ladder, as in Fig. 1. Then the brackets D are raised and the
80 pins *n n* inserted in place to hold them in a horizontal position. With the usual complement of three men, two go up the ladder to the top platform, one on each side of the pole, and paint the pole above that platform each
85 on his side. Then they descend to the lower platform and paint the space between the two platforms. In the meantime the third man will have painted the post from the ground up to the first platform and have covered
90 about the same space as each of the other men. Then, after removing the pins *n* to allow the brackets to drop down to avoid hitting the post, the apparatus is driven to the next post. About twice the amount of work
95 can be accomplished by the same number of men with the apparatus than can be done in the usual way.

If the limbs of a tree should obstruct the way, the lower ends of the brace-bar B can be
100 released by taking out the pins *n* and the ladder let down to any angle required (see

dotted lines, Fig. 2) to pass the tree and again raised up in a vertical position as before and secured.

By removing the pins *r r* and *n* the ladder
5 can be unshipped and laid lengthwise of the platform, if desired, for convenience in transporting or housing the apparatus when not in use.

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

An apparatus comprising the following instrumentalities: a platform, a movable support therefor, a ladder pivotally and adjust-

ably mounted on said platform, two or more 15 knee-brackets pivoted to swing on the outer sides of said ladder, small platforms fast on said brackets, and an adjustable brace-rod secured to said ladder and platform to support and adjust said ladder, substantially as 20 described.

In testimony whereof I have hereunto set my hand this 6th day of June, A. D. 1896.

HENRY A. FRENCH.

In presence of—

BENJ. ARNOLD,

JAMES E. ARNOLD.