

(No Model.)

B. M. BEALL.
Hitching Clamp.

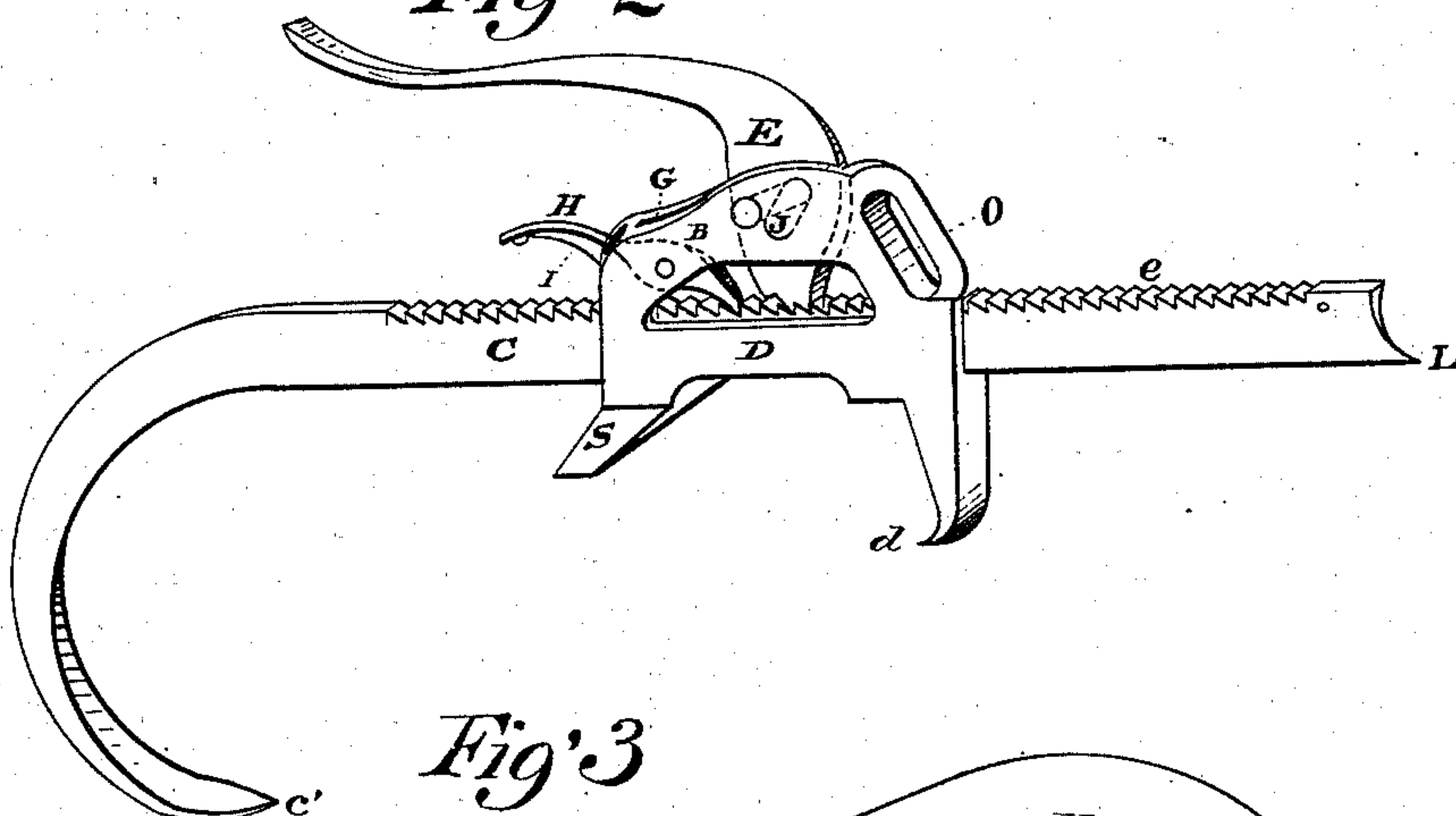
No. 239,422.

Patented March 29, 1881.

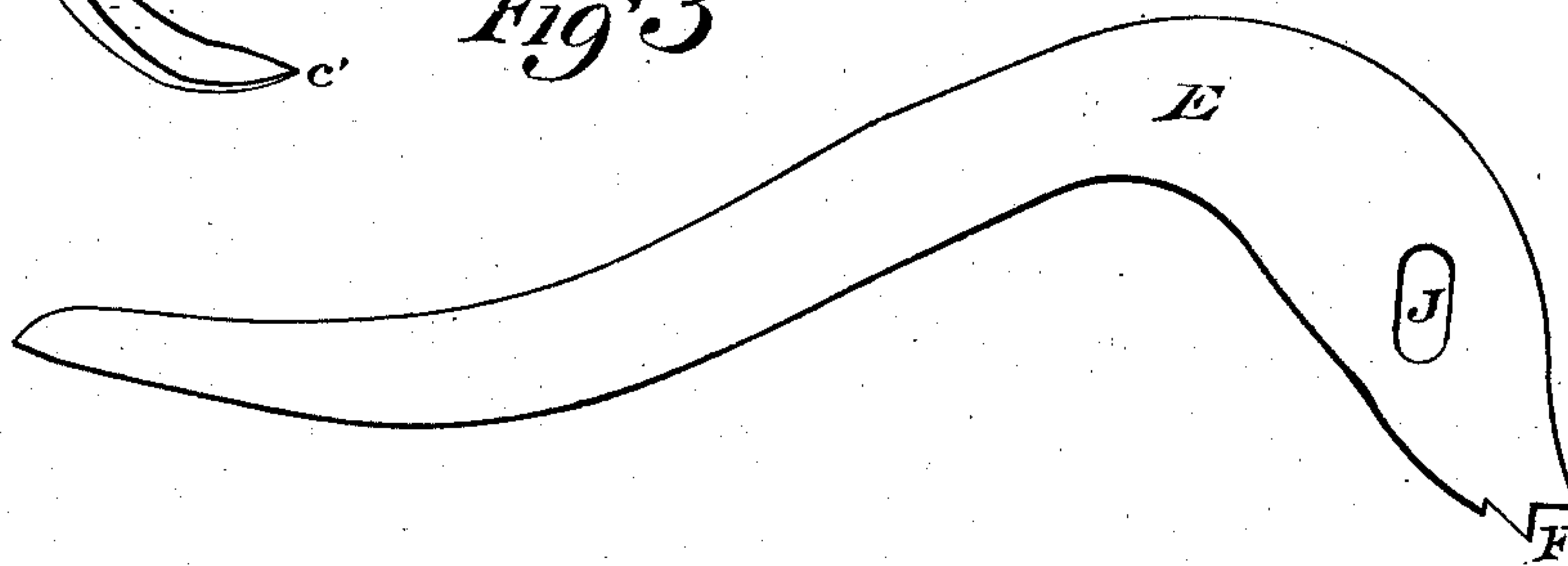
Fig' 1



Fig' 2



Fig'3



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INVENTOR

WITNESSES

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BENJAMIN M. BEALL, OF WASHINGTON, DISTRICT OF COLUMBIA.

HITCHING-CLAMP.

SPECIFICATION forming part of Letters Patent No. 239,422, dated March 29, 1881.

Application filed September 11, 1880. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN MANDEVILLE BEALL, of the city of Washington, District of Columbia, have invented a certain new and useful Improvement in Portable Hitching-Clamps; and I declare the following to be a full, clear, and exact description of my invention, such as will enable mechanics and others skilled in the art to make and use the same, reference being had to the accompanying drawings, in which the same letters and figures are used to indicate the corresponding parts.

My invention relates to an improvement in hitching-clamps; and it consists in providing a light, easy-working, cheap, portable, and effective device, which is easily adjusted to the curbstone or projections in pavements, which, when fastened, prevents the animals from walking off or running away.

It will be noticed that this clamp requires no special device on which it is to be fastened, but can be safely secured to the curb or any projections on the street.

In the drawings, Figure 2 represents a view of the whole device; Figs. 1 and 3, detail views.

C is a bar having on its end the spring-hook *c'*, and on its upper side the serrated or notched edge *e*, with which the lever E, with its serrated or toothed end F is adapted to engage. On the opposite end of the bar C, besides a lug or other suitable projection which prevents the sliding frame D from slipping off, is also a sharpened point, L, of suitable shape to loosen the earth, and thereby facilitate the introduction of the hook *d* between the pavement and curbstone.

D is a frame through which the bar C slides freely, and it is provided on its under side with the hook *d* and the bar S. This hook *d* is bent in an opposite direction from the spring-hook *c'*. The bar S prevents the clamp from turning over on its side after it has been secured to the curb, pavement, or other projection. The upper side of this frame D is provided with the peculiar-shaped part B, which has the elongated opening G, and also the opening O, through it. In the opening G the toothed lever E works upon the serrated or toothed edge of the bar C, while the opening O serves as a ring, through which the hitching-strap is drawn.

The pawl represented in detail in Fig. 1, and as riveted to the frame D in Fig. 2, has a

small spring, I, upon its under side, that the tooth *a* may constantly engage upon the serrated edge of the bar C, and thereby securely hold the clamp in position when adjusted.

The toothed lever E operates in the opening G, as before stated, and is so arranged that it will work directly on the teeth *e*, the opening J admitting of an easy and irregular motion upon the rivet that passes through it.

The operation of the device is as follows: One end of the hitching-strap is fastened to the bit-ring of the bridle, the steel hook C placed across the curbstone, the curved end toward the gutter. The frame D, with hook *d*, is placed close against the inner edge of the curbstone, and the bar C drawn so as to engage the point of the spring-hook *c'* with the outer side of the curbstone. The lever E should now be lowered to engage with the teeth *e* and pressed down, using as a fulcrum the rivet that passes through the opening J. This will cause the bar C to slide in the frame D, when the pawl H will engage in each successive tooth that passes under it. The lever can now be raised and the same operation repeated until the pawl engages with its ultimate tooth on the bar C, to securely fasten the clamp. It can be readily released from its hold on the curbstone by pressing first on the lever E, to relieve the tension on the tooth *a*, and then on the handle of the pawl H. This will disengage the tooth *a* from that of the bar C, when the tension of the spring-hook *c'* will throw the hooks *c' d* from the curbstone.

What I claim is—

1. An adjustable hitching-clamp provided with the bar C and the sliding hooked frame D, adapted to be secured in position by a suitable lever and pawl, substantially as shown.

2. The frame D, having the hook *d* and the cross-bar S, in combination with the bar C, with its spring-hook *c'*, a suitable lever, and pawl, substantially as set forth.

3. The combination of lever E, bar C, with its serrated edge and spring-hook *c'*, pawl, with its spring I, frame D, provided with hook *d*, and bar S, substantially as shown.

In testimony that I claim the foregoing I have hereunto set my hand this 3d day of September, A. D. 1880.

BENJAMIN MANDEVILLE BEALL.

Witnesses:

R. J. BEALL,
CHAS. D. COLE.