

C. C. Cole,
Manure Fork and Hook.

Nº 74,895.

Patented Feb. 25. 1868.

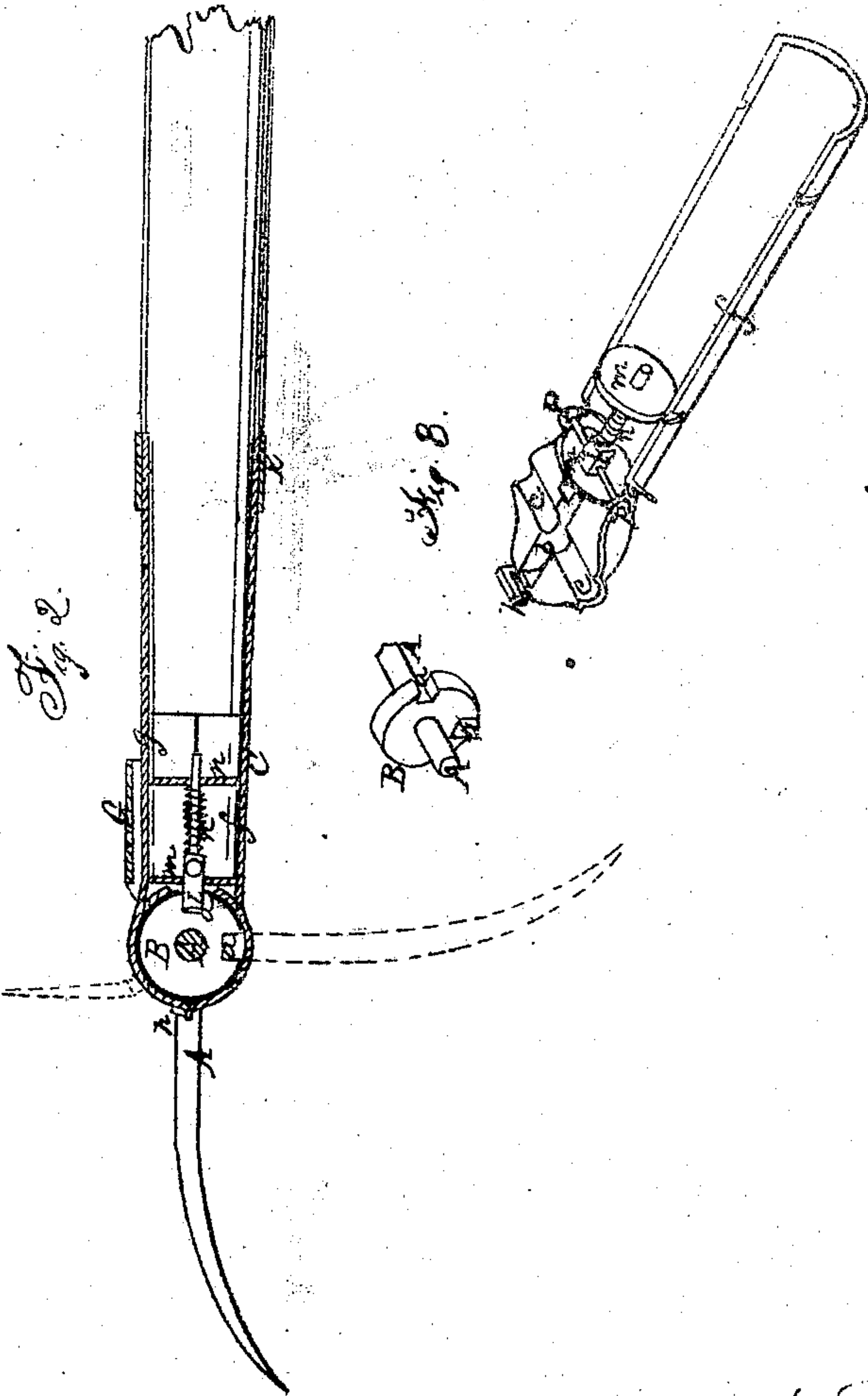
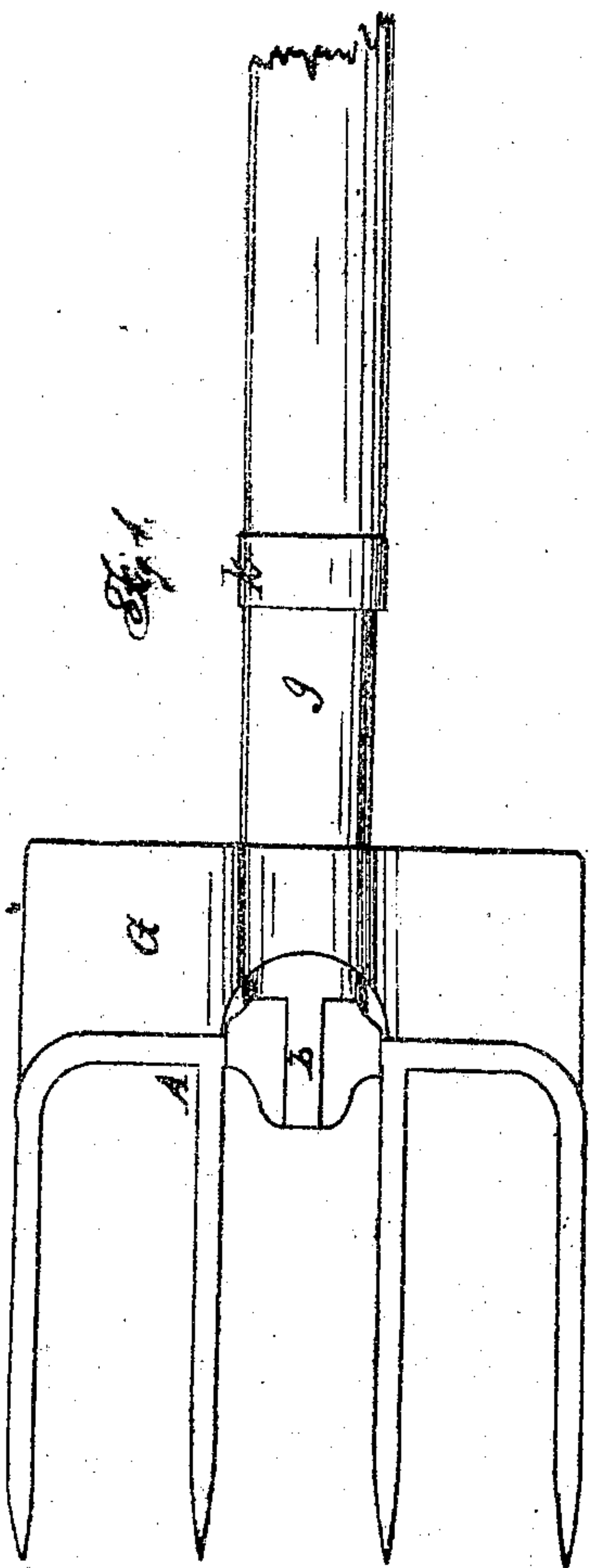
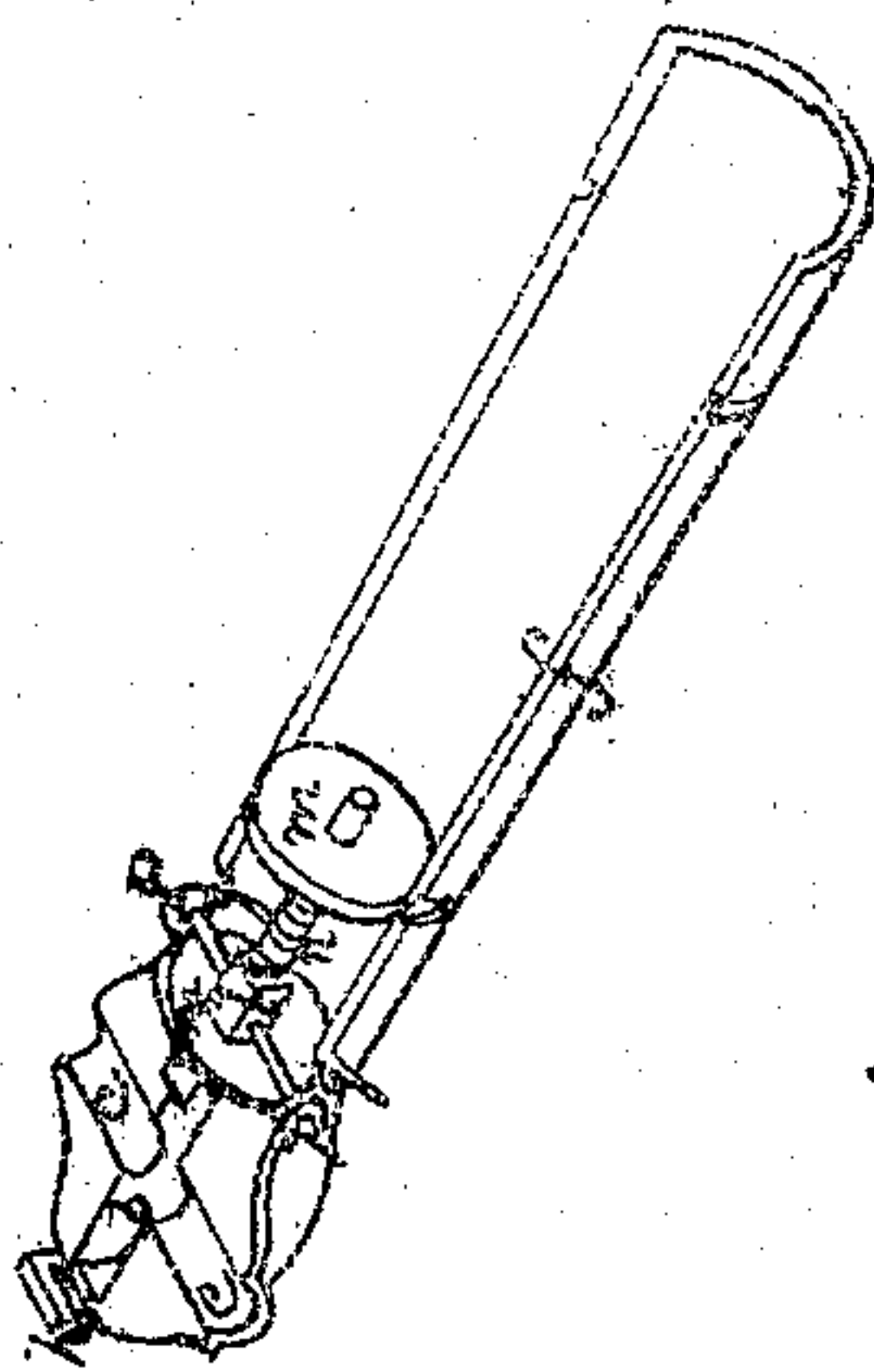


Fig. 3.



Witnesses
J. P. Davis
Chas. H. Spencer

Inventor
C. C. Cole
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United States Patent Office.

C. C. COLE, OF PHELPS, NEW YORK.

Letters Patent No. 74,895, dated February 25, 1868.

IMPROVEMENT IN COMBINED MANURE-FORK AND HOOK.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, C. C. COLE, of Phelps, in the county of Ontario, and State of New York, have invented a certain new and useful Improvement in Combined Manure-Forks, Hooks, and Scrapers; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making a part of this specification.

Figure 1 is a rear view of my improved implement.

Figure 2, a longitudinal section.

Figure 3, a view of one-half of the divided socket and the bearing of the fork-head.

Like letters of reference indicate corresponding parts in all the figures.

My fork belongs to that class in which the head is changeable to different positions.

The invention consists in the special arrangement and parts connected with the changeable head, and in the employment of a scraper with the fork-head, as hereinafter set forth.

As represented in the drawings, A is the fork-head, and B is a rigid circular bearing secured to the back of the same, and provided with notches *a a*. This bearing rests in a corresponding bearing-eye, *b*, formed in the end of the socket C, which holds the handle. The end of the socket is also provided with groove *c*, in which rests the back of the fork. This arrangement allows a free turning movement of the head. The socket is made in two parts, *f g*, encircling the handle, and held together in front by a hook and-eye, *h*, which allow a free connection and separation, and at the rear by a loose ferrule or ring, *k*, which slips over and binds the parts closely in contact with the handle. These parts may be fastened to the handle and together by any means desired. Inside the socket is situated a pawl, *l*, resting in guides *m m*, and pressed forward by a spring, *n*. This pawl catches into the notches *a a*, and holds the fork-head either extended, as in black lines, fig. 2, or at right angles, as in red lines. A finger-rest, *p*, fastened to the pawl, extends out through a slot, *q*, of the socket, by which means the pawl is retracted at any time when it is desired to change the position of the head.

The construction of the socket C, and the arrangement of the parts in connection with the changeable head, are such as to insure the best results. The socket, by being made in two parts, is applied and removed with the greatest ease, and; if made of malleable iron, as I design, will be cheap and strong.

It will be noticed, as a special feature of my socket, that the corrugations or bearing-grooves *b c* are formed at right angles to each other, which greatly strengthens the front end of the socket where the greatest strain comes. By this means the skeleton-socket is made sufficiently strong for all practical purposes, and the least cost is involved.

The bearing B and the spring-pawl *l*, being entirely enclosed within the socket, are perfectly protected from violence or obstruction, and do not form impediments, as would be the case if they were situated outside the fork. It will be noticed that the pawl is enclosed in the end of the socket projecting below the handle, and forms a part of the socket itself, so that, when the latter is applied, no extra attachments are to be made to render the device operative and perfect in its action.

On the back of the fork-head is attached a scraper, G, which is simply a narrow blade, resting back under the socket, and employed for scraping the bottom of the cart after the hook (red lines) has done its work. This scraper is a necessary part of the perfect implement, to perform the action required.

I am aware that a changeable fork-head has before been employed, but such, broadly, I do not claim.

The novelty in my device consists in the special construction and arrangement of parts employed, in combination with such a changeable head, to allow its adjustment and to retain it in position. I am not aware that such a construction and arrangement have ever before been known or used, neither am I aware that a scraper has ever before been combined with a changeable fork-head, for the purpose named; therefore,

What I claim as my invention, and desire to secure by Letters Patent, is—

The special construction and arrangement of the divided socket C, provided with the corrugations or grooves *b c*, the spring-pawl *l*, and the circular bearing B, the whole combined with the changeable fork-head A and scraper G, and operating in the manner and for the purpose herein set forth.

In witness whereof, I have hereunto signed my name in the presence of two subscribing witnesses.

C. C. COLE.

Witnesses:

R. F. OSGOOD,

J. A. DAVIS.