(No Model.)

J. H. SUMSER.

POST HOLE DIGGER.

No. 456,170. Patented July 21, 1891.

FIG. 1.

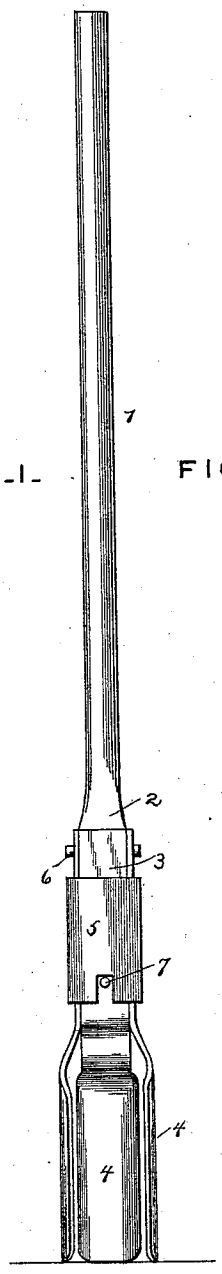


FIG. 3.

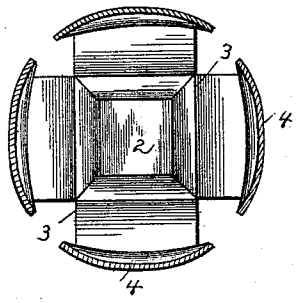
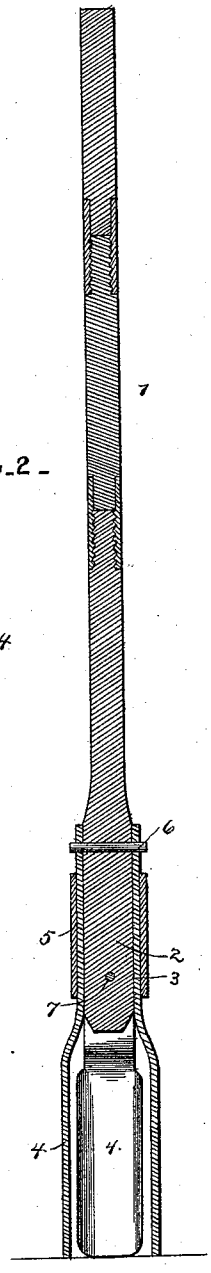


FIG. 2.



Witnesses
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By his Attorneys,
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JOHN HENRY SUMSER, OF LOUISVILLE, KENTUCKY.

POST-HOLE DIGGER.

SPECIFICATION forming part of Letters Patent No. 456,170, dated July 21, 1891.

Application filed April 11, 1891. Serial No. 388,573. (No model.)

To all whom it may concern:

Be it known that I, JOHN HENRY SUMSER, a citizen of the United States, residing at Louisville, in the county of Jefferson and State of Kentucky, have invented a new and useful Post-Hole Digger, of which the following is a specification.

The invention relates to improvements on a post-hole digger forming subject-matter of patent granted to S. L. Madden December 27, 1887, No. 375,556, of which I am now the sole owner.

The object of the present invention is to improve the construction shown in the above-mentioned patent and to increase the efficiency of the same.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claim hereto appended.

In the drawings, Figure 1 is a side elevation of a post-hole digger embodying the invention. Fig. 2 is a longitudinal sectional view of the same. Fig. 3 is a transverse sectional view.

Referring to the accompanying drawings, 1 designates a handle having its lower end 2 squared and adapted to receive on the faces of the same the shanks 3 of blades 4, which are clamped to the handle by a rectangular band 5. The handle 1 may be constructed of a single piece, as illustrated in Fig. 1 of the accompanying drawings, or it may be of sections, as shown in Fig. 2. The shanks 3 of the blades 4 are extended along the faces of the squared portion 2, and are prevented slipping longitudinally by pins 6 and 7, arranged above and below the band and disposed at right angles to each other and passing through perforations of the shanks 3 and through openings of the squared portion of the handle. The band is provided at its lower end with oppositely-disposed notches which receive the extended ends of the lower pin 7.

The device is simple, strong, and durable, and the arrangement of the blades renders it efficient for digging post-holes. It will be seen that each pin serves two functions, and when combined another function is attained. Thus the pins 6 and 7 each prevent their respective blades from slipping out of place, and also to keep the band 5 from moving either up or down, while the location of the lower pin in the notch of the sleeve enables the band to have a limited sliding movement before coming in contact with the pin 6.

What I claim is—

A post-hole digger comprising the handle having its lower end 2 squared, the four blades having their shanks arranged on the faces of the squared portion, the band securing the blades to the handle and provided at its lower end with notches, and the upper and lower pins 6 and 7, disposed at right angles to each other and passing through perforations of the shanks and openings of the handle and arranged above and below the band, the lower pin 7 being arranged in the notches of the band, substantially as described.

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

JOHN HENRY SUMSER.

Witnesses:
LAWRENCE HEIM,
WM. F. KRAFT, Jr.