

No. 690,522.

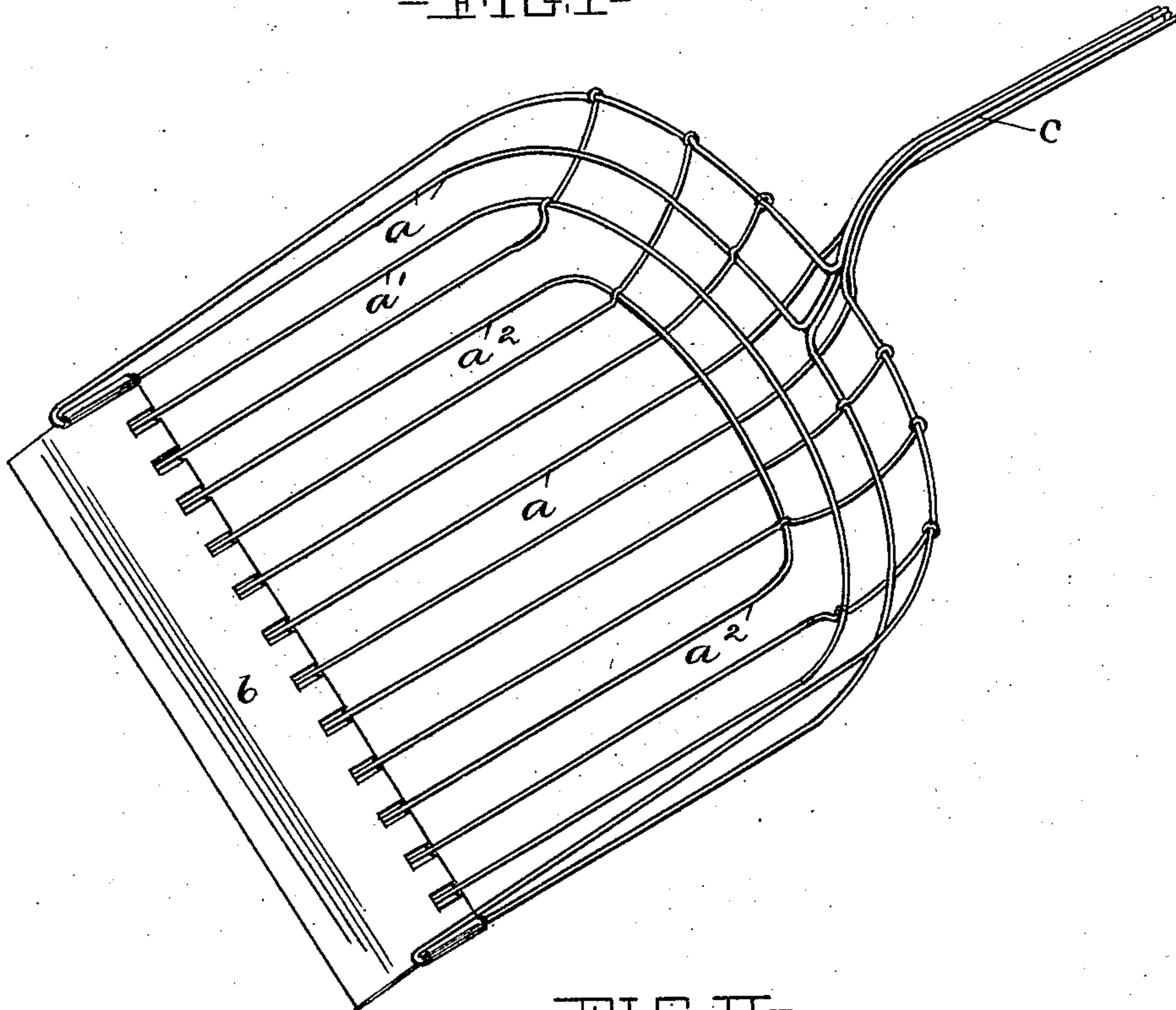
Patented Jan. 7, 1902.

H. H. HODELL.
SCOOP.

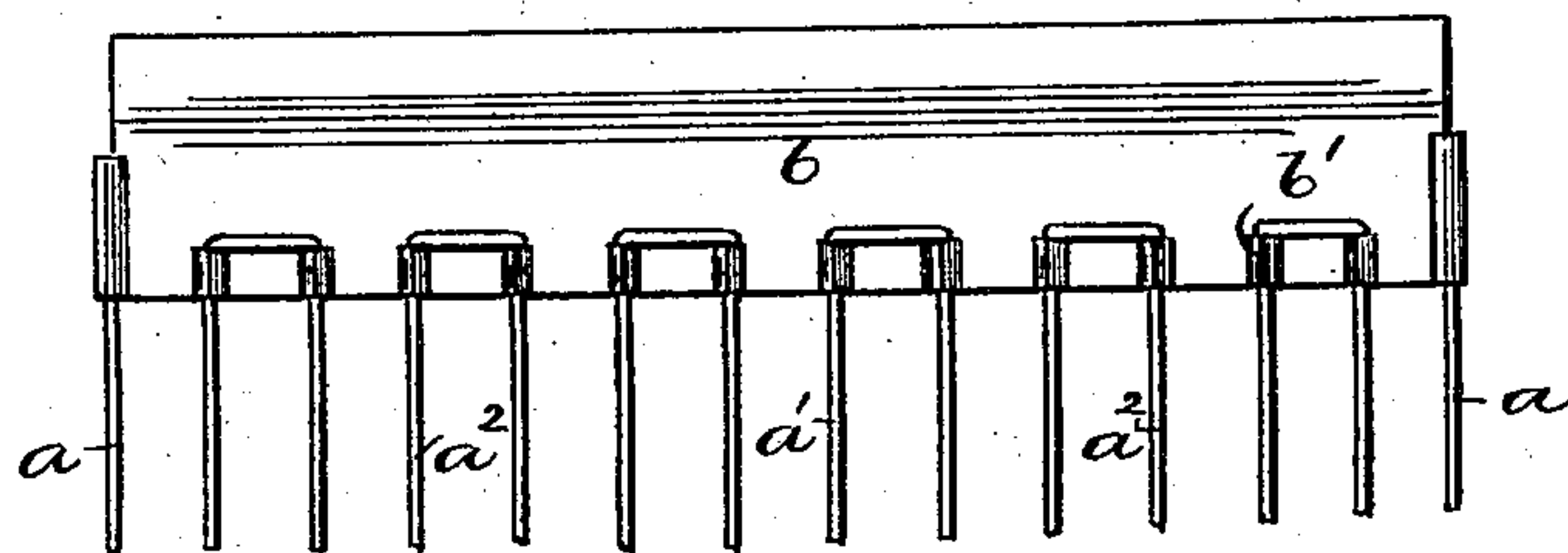
(Application filed Oct. 3, 1900.)

(No Model.)

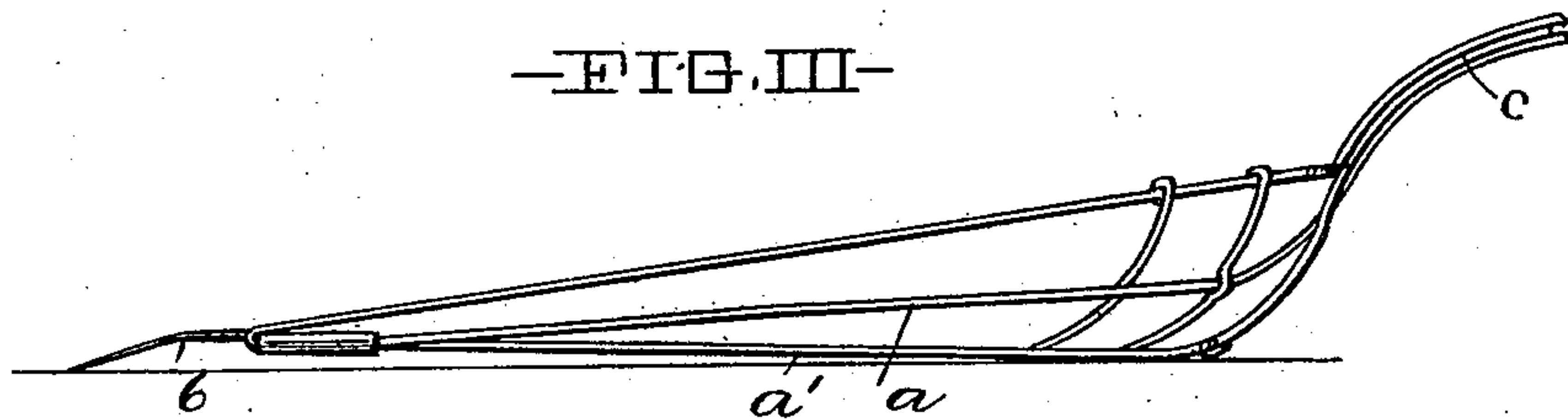
-FIG. I-



-FIG. II-



-FIG. III-



Witnesses,
J. C. Turner
A. Merkel

Inventor,
H. H. Hodell,
By J. B. Fay Atty.

UNITED STATES PATENT OFFICE.

HENRY H. HODELL, OF CLEVELAND, OHIO.

SCOOP.

SPECIFICATION forming part of Letters Patent No. 690,522, dated January 7, 1902.

Application filed October 3, 1900. Serial No. 31,838. (No model.)

To all whom it may concern:

Be it known that I, HENRY H. HODELL, a citizen of the United States, and a resident of Cleveland, county of Cuyahoga, and State of Ohio, have invented a new and useful Improvement in Scoops, of which the following is a specification, the principle of the invention being herein explained and the best mode in which I have contemplated applying that principle, so as to distinguish it from other inventions.

My invention relates to scoops or similar implements constructed of wire in which it is desired to combine lightness and strength with economy of construction.

The annexed drawings and the following description set forth in detail certain means embodying the invention, such disclosed means constituting but one of various forms in which the principle of the invention may be used.

In said annexed drawings, Figure I represents a perspective view of the blade of my improved scoop. Fig. II represents a bottom plan enlarged detailed view thereof, and Fig. III represents a side elevation of the scoop.

My said invention is directed to the construction of the blade of the scoop, which consists of a series of wires a , which are secured to the front portion of the blade upon the under surface of a transversely-located lip or cross-piece b , the secured portions being located on the inner or rear edge portion of said lip, the wires being thereby rigidly secured relatively to each other. Said wires extend toward the rear of the scoop in planes substantially parallel with each other, forming the body portion of the blade. The two lateral wires on each side incline upwardly, as shown. From the rear portion of the blade of the scoop said lateral wires are bent, as shown in Fig. I, and curved around the back of the blade. Wires intermediate of said lateral wires have their rear end portions bent upwardly, such bent portions being interlocked with or secured to the transversely-located bent portions of said lateral wires, the extreme ends thereof being secured to the bent portion of the extreme lateral wire. Such interlocked and secured bent wires form an upwardly-extending curved back flange of the scoop, the inclined portions of such

lateral wires forming the side flanges thereof. One or more lateral wires are extended backward from the upper edge of the middle of the back flange and in conjunction with two or more central intermediate wires, which are similarly extended, form a shank c , to which the handle of the scoop may be attached. These extended portions are preferably welded, but may be bound to each other with a suitable solder. Such lateral wires which are not extended, as wires a' , are caused to continue across the back of the scoop, as shown, and where necessary one or more intermediate wires, as a^2 , may be bent and extended across the back of the scoop to form one transverse element of said back flange. The front portions of each two adjacent wires may be formed integrally with each other or looped, as shown in Fig. II, and such loops secured in lugs b' , formed upon the bottom of the rear edge portion of the lip b , the wires being secured in the recesses formed by said lugs. The front edge portion of said lip is bent downwardly, as shown in Fig. III, a distance sufficient to cause the end and exposed portions of the wires secured to the under surface of the lip and projecting downwardly therefrom to lie in a plane above a plane passing through the lowermost edge of said lip and the lowermost portion of the main body portion on the blade, as shown in Fig. III, thereby permitting the bottom of the scoop to lie upon a surface without permitting the front or looped portions of the wires to come in contact with such surface, whereby such wires are prevented from obstructing the passage of the scoop over it.

Other modes of applying the principle of my invention may be employed instead of the one explained, change being made as regards the mechanism herein disclosed provided the means covered by any one of the following claims be employed.

I therefore particularly point out and distinctly claim as my invention—

1. A scoop-blade consisting of a series of wires secured at the front of the blade to a transversely-located lip, lateral wires being inclined upwardly and bent at the rear of the blade, and intermediate wires bent upwardly at the rear of the blade, such bent portions secured to the bent portions of such lateral

wires, forming with the latter a back flange, the extreme lateral and the central wires being extended from said flange to form a shank to which the scoop-handle may be secured.

- 5 2. The scoop-blade consisting of the series of wires *a* secured at the front of the blade to the lower side of the transversely-located lip *b*, lateral wires *a'* being inclined upwardly and bent at the rear of the blade, and intermediate wires bent upwardly at the rear of
10 the blade, such bent portions secured to such

bent portion of said lateral wires *a'*, and forming with the latter a back flange, the extreme lateral and the central wires being extended from said flange to form the shank *c* as shown 15 and described.

Signed by me this 1st day of October, 1900.

HENRY H. HODELL.

Attest:

D. T. DAVIES,
A. E. MERKEL.