

J. BENEDICT.
Hand Rake.

No. 201,320.

Patented March 19, 1878.

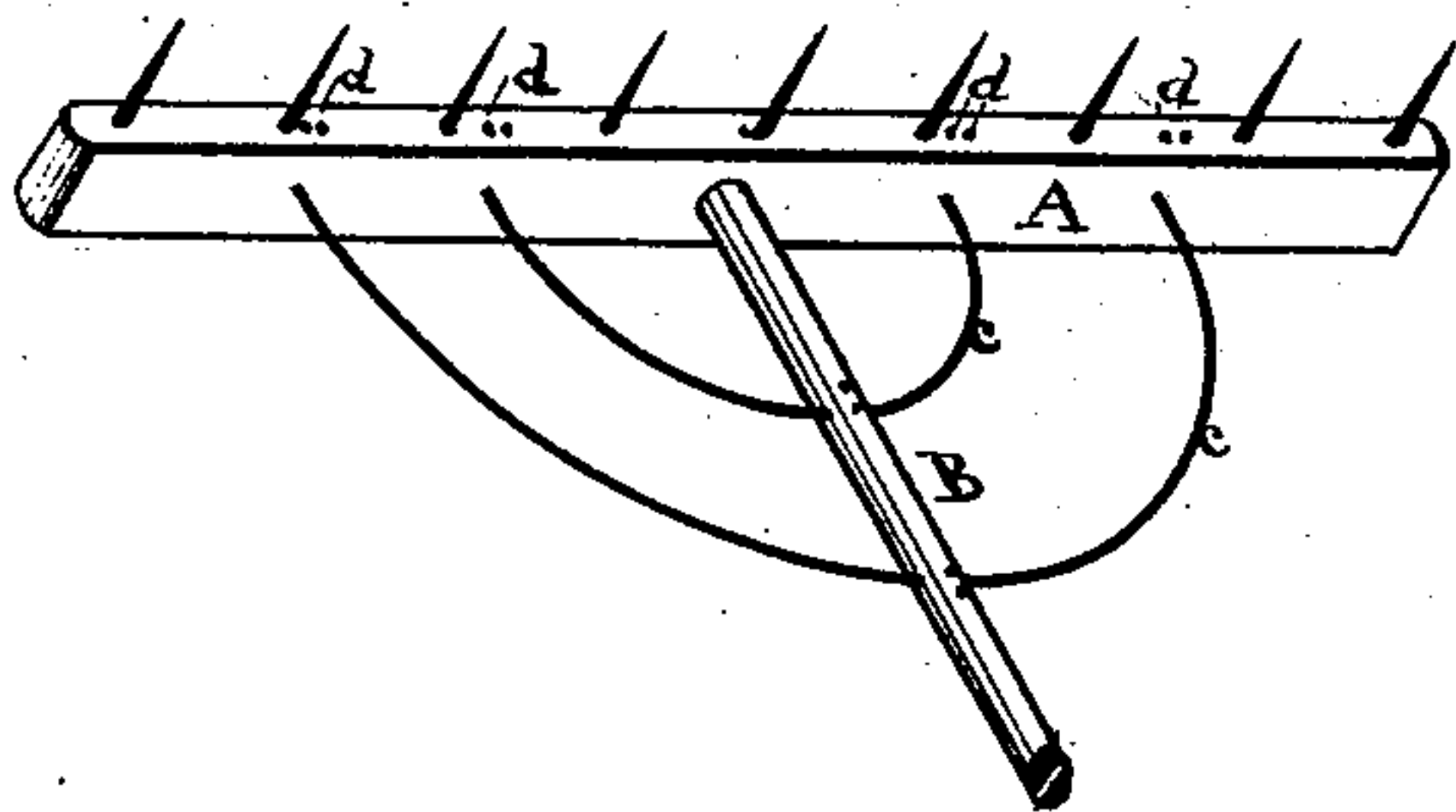


Fig. 1.

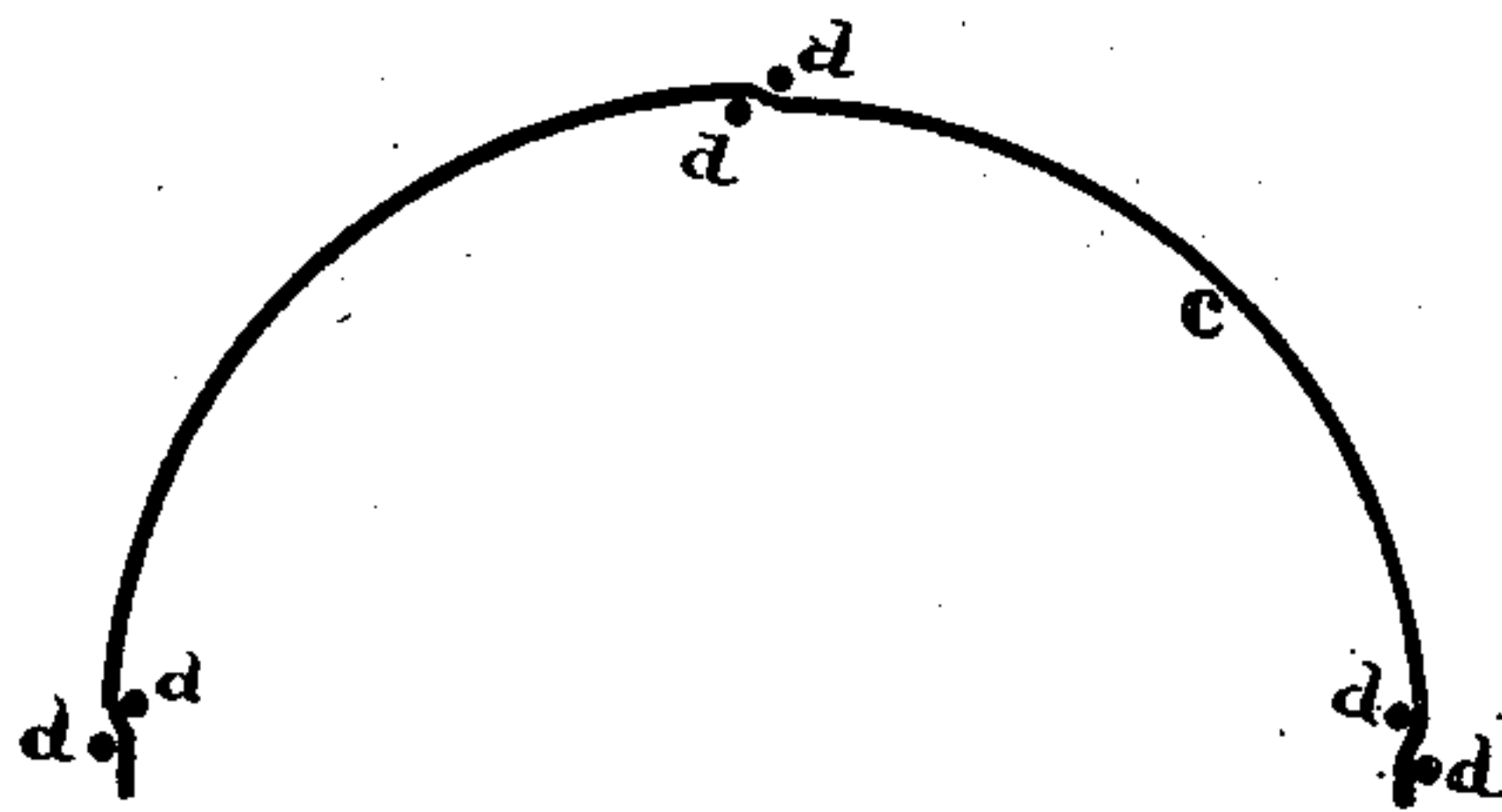


Fig. 2.

Witnesses.

P. Schoonmaker
Wm. E. Forbes.

Inventor.

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UNITED STATES PATENT OFFICE.

JACOB BENEDICT, OF PLAINWELL, MICHIGAN.

IMPROVEMENT IN HAND-RAKES.

Specification forming part of Letters Patent No. **201,320**, dated March 19, 1878; application filed February 10, 1873.

To all whom it may concern:

Be it known that I, JACOB BENEDICT, of Plainwell, Allegan county, State of Michigan, have invented certain new and useful Improvements in the Construction of Hand-Rakes; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a perspective inverted view of one of my improved hand-rakes. Fig. 2 is a plan view of one of the bows *c* detached, showing the crimps at the ends and in the center.

The object of my invention is to provide the ordinary wooden hand-rake with a wire bow or bows, which is far more substantial and durable than the wooden bows heretofore used in this class of rakes.

It consists in the employment of wire bows provided with a sort of crimp or bend near each end and in the center, whereby said bows are secured in their proper position in the head and the handle by nails or pins driven through each side of the wire.

A is the head, and B the handle, both of which are made of wood in the usual manner. The bows *c* are made, preferably, of No. 6 wire. They are provided with a sort of crimp or off-

set near each end and in the center, as shown in Fig. 2.

The head and handle have holes bored through them to receive the bows, and after the latter are inserted therein, as indicated in Fig. 1, they are firmly secured in their proper position by driving a nail or pin, *d*, through the head, and also through the handle, each side of the crimp, and on opposite sides of the wire, as indicated in Fig. 2. By this means the bows are effectually prevented from being moved laterally through either the handle or the head while in use.

What I claim as my invention is—

As an improvement in the construction of hand-rakes, the wire bows *c*, being provided with a crimp or offset at or near each end and in the center, and secured in position in the head and handle by a nail or pin, *d*, driven through the said head and handle on each side of such crimp, and on opposite sides of the wire, substantially in the manner and for the purposes set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 5th day of February, A. D. 1873.

JACOB BENEDICT.

Witnesses:

B. SCHOONMAKER,
WM. E. FORBES.