

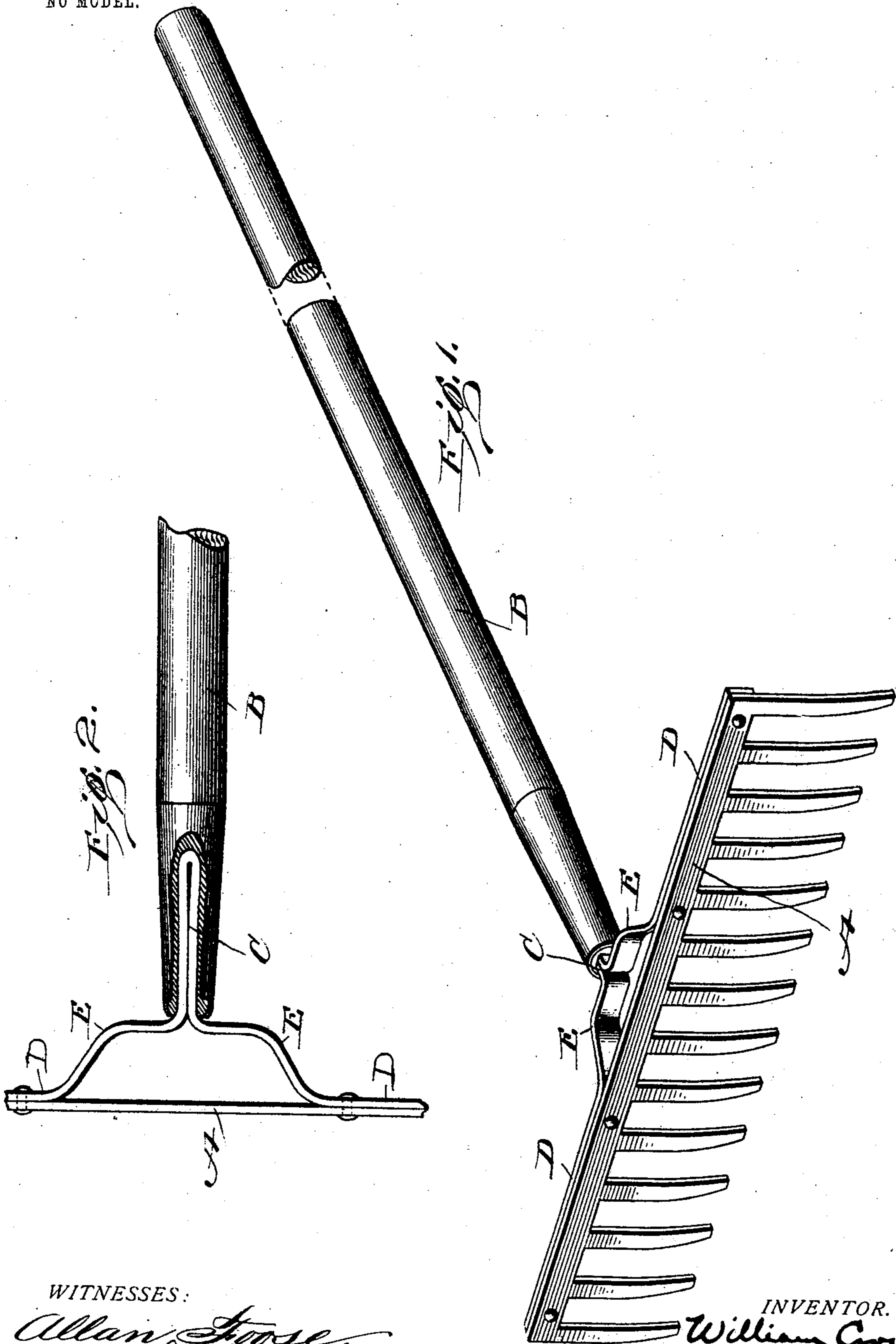
No. 774,980.

PATENTED NOV. 15, 1904.

W. CRONK.
RAKE.

APPLICATION FILED JUNE 28, 1902.

NO MODEL.



WITNESSES:

Allan Thorse.
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UNITED STATES PATENT OFFICE.

WILLIAM CRONK, OF MONTOUR FALLS, NEW YORK.

RAKE.

SPECIFICATION forming part of Letters Patent No. 774,980, dated November 15, 1904.

Application filed June 28, 1902. Serial No. 113,578. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM CRONK, residing at Montour Falls, in the county of Schuyler and State of New York, have invented certain new and useful Improvements in Rakes, of which the following is a full, clear, and exact description, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to rakes; and its object is to provide a new and improved form of rake which shall be very strong, but at the same time simple and cheap in construction.

The invention consists in the rake, as hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a perspective of my improved rake. Fig. 2 is a top plan view with parts broken away.

The head of the rake (designated by A) is formed of wrought-steel, and the connection of said head to the handle B is made by bending a strip of the same material to form a tang C and extended arms D, which arms are riveted or otherwise fastened to the head, as shown. Thus the part that is used for the tang is also used to stiffen the rake-head, so that it is possible to use lighter material and make a lighter rake than otherwise. The tang C is suitably clamped in the socket in the end of the handle. Just before the point at which the strip is buckled directly outward to form the tang portion the arms D D are bent or arched outwardly away from the head A, along the face of which they have been riveted, thus forming curves or arches E E. This provides an arched construction at this point

which allows for a certain spring or flexibility, thereby increasing the strength and durability of the rake. The piece which forms the tang and the arms connected to the head is shown as formed of a single strip of material bent into the desired shape. It will be obvious, however, that it might be formed of two strips having their ends laid together to form the tang, which would amount to the same thing as cutting the strip in two at the extreme end of the tang after it had been bent into shape.

Rakes thus formed can be made very light, yet strong and flexible, and are cheap to construct both from the fact that there is very little waste connected with the cutting out or fashioning of the various parts and from the ease with which it is put together.

It will be obvious that this construction may be applied to other tools which are analagous to rakes.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A rake comprising a head A, a handle B and stiffening-arms D, D secured to said head, said arms being bent outwardly away from said head to form arches E, E and further bent together to form the tang to which said handle is attached substantially as set forth.

In testimony whereof I affix my signature in the presence of two witnesses.

WILLIAM CRONK.

Witnesses:

ELMER L. CRONK,
FRED SWICK.