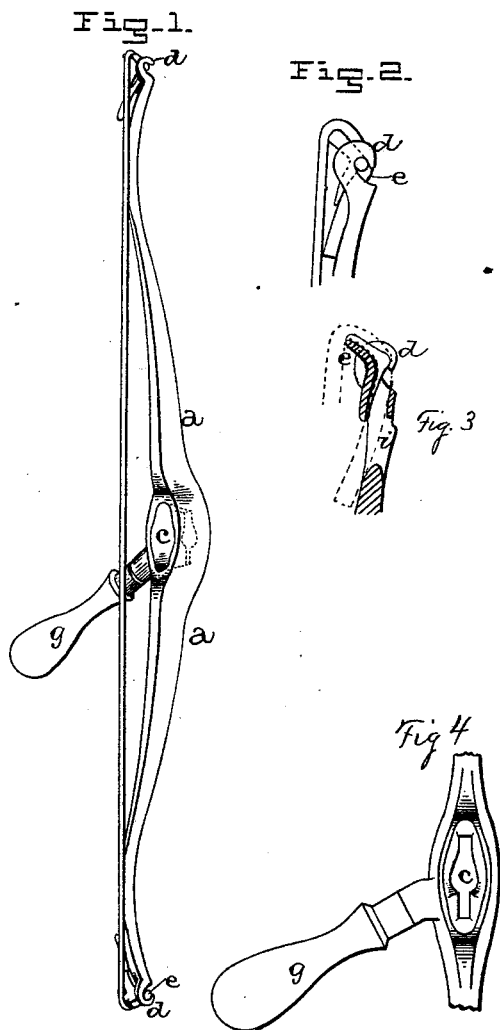


N. R. STREETER.
Bow.

No. 218,079.

Patented July 29, 1879.



WITNESSES:

Jas. F. DuHamel,
W. S. C. Haines

INVENTOR:

N. R. Streeter,
per
F. A. Lehmann,
Atty.

UNITED STATES PATENT OFFICE.

NELSON R. STREETER, OF GROTON, NEW YORK.

IMPROVEMENT IN BOWS.

Specification forming part of Letters Patent No. 218,079, dated July 29, 1879; application filed June 14, 1879.

To all whom it may concern:

Be it known that I, NELSON R. STREETER, of Groton, in the county of Tompkins and State of New York, have invented certain new and useful Improvements in Bows; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in bows and arrows; and it consists in placing the handle at an angle to the bow, and in providing the ends of the bow with automatic clasps for holding the ends of the rubber strings.

It further consists in widening out the ends of the bow and forming hooks thereon, so as to hold the clamps by means of which the string is held.

It further consists in the construction and arrangement of parts, that will be more fully described hereinafter.

Figure 1 is a perspective of the bow. Fig. 2 is an enlarged view of one of the clasps. Fig. 3 is a sectional view of the same. Fig. 4 is a cross-section of the bow through the slot.

a represents a rigid iron bow, of any shape or form desired, and which has the slot *c* cut through its center for the arrow to pass through. This slot is made largest at its center, so as to form a bearing or concave for the arrow to rest in, and from this bearing run the two extensions for the feather to pass through. This slot also is made tapering from the inner side of the bow, so as to be much larger at the inner than the outer edge, so that should the arrow not start straight outward, the inclined edge of the feather coming gradually in contact with the inclined sides of the slot, the course of the arrow is gradually straightened, and the feather is prevented from being injured by coming in contact with a sharp corner.

Both ends of the bow are widened out and provided with the hooks *d*, which serve as

journals for the clamps *e* to turn in. These clamps are grooved and rounded out on their inner sides, so as not to cut or injure the rubber strings, while the inner end of the clamp is left moderately sharp and straight, so as to catch in the side of the rubber string, and press it sufficiently into the small triangular opening *i* to prevent the string from slipping out.

Owing to the leverage of the string upon the cams, the greater the tension of the string the more strongly the cams hold it.

Upon the center of the string will be placed a metallic guard for the end of the arrow to rest upon, as shown in my former patent.

Secured to the side of the bow opposite the slot *c* is a handle, *g*, which is placed in an inclined position, so that the bow can be held in a perpendicular position, and used more readily and easily than where the handle is straight.

I am aware that holes have been made through the center of the bow for the arrow to pass through, and this I disclaim.

My invention consists in making the hole largest at its center, so as to form a bearing for the arrow, and two extensions leading therefrom, and I limit my claims to the form here shown.

Having thus described my invention, I claim—

1. A bow having its end widened out and formed into the hook *d*, in combination with the clamp *e*, for holding the end of the string, substantially as shown.

2. A metallic bow, *a*, having the slot *c* formed, as shown, through its center, and having its end widened out, so as to form the hooks *d*, in combination with the clamps *e* and inclined handle *g*, substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand this 9th day of June, 1879.

NELSON R. STREETER.

Witnesses:

DANA RHODES,
MANLY P. GREEN.