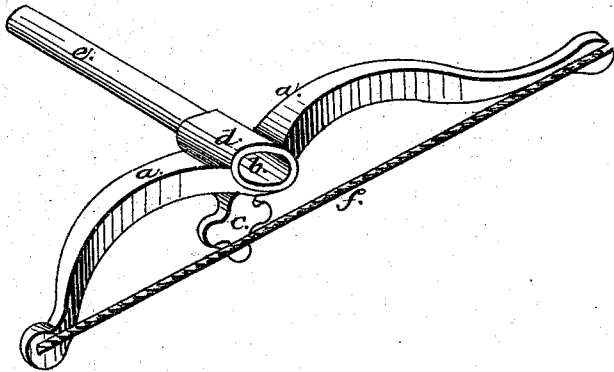


F. W. Judd,

Toy Bow.

No. 87,344.

Patented Mar. 2, 1869.



Witnesses:

Virgil Cornish

S. C. Dunham

Inventor:

Fred. W. Judd

By James L. Brown
Attorney

United States Patent Office.

FREDERICK W. JUDD, OF NEW BRITAIN, CONNECTICUT.

Letters Patent No. 87,344, dated March 2, 1869.

TOY-BOW.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, FREDERICK W. JUDD, of New Britain, in the county of Hartford, and State of Connecticut, have invented a new and useful Improvement in Toy-Bows; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing, making a part of this specification, which drawing is a perspective view of my invention.

My invention consists in constructing toy-bows of an inflexible material, and provided with a suitable handle and barrel, and attaching an elastic cord to the same for a bow-string, which cord has the requisite spring to throw the arrow.

I construct the bow *a*, barrel *b*, and handle *c*, all of one piece of cast-metal, and shape the bow *a* so as to give it the appearance of a spring-bow.

Near the centre of the bow *a*, I form a hub, *d*, which is afterward drilled to make the barrel *b* for guiding the arrow.

If desired to make the barrel *a* very long, it is cheaper to insert a tin tube, *e*, to lengthen it, than it is to make it all of cast-metal.

The insertion of the elastic cord *f*, completes the construction of the toy.

If desired, the bow *a* can be made of cast, malleable, or other iron, but ordinary cast-iron will answer every purpose.

By my invention, I produce an old toy in a new and improved form, which can be furnished at a smaller cost than the old toy. As the spring is wholly in the bow-string, the occasional substitution of a new cord will make this a very durable toy.

By providing a handle, the fingers of the "sportsman" will not be in his way when he "takes aim."

By providing it with a barrel, the arrow can be driven with greater accuracy.

I do not claim the use of an elastic cord for throwing projectiles, as applied to any other toy or toys; but

What I claim as new, and desire to secure by Letters Patent, is—

The combination of the cast-metal bow *a*, barrel *b*, hub *d*, tube *e*, and elastic cord *f*, the whole combined and arranged as herein set forth.

Witnesses:

AUSTIN HURT,
JULIUS H. PEASE.

FREDK. W. JUDD.