

No. 637,312.

Patented Nov. 21, 1899.

J. G. WHITTIER.

PROJECTILE OR DART FOR BLOW GUNS.

(Application filed Feb. 8, 1899.)

(No Model.)

Fig. 1

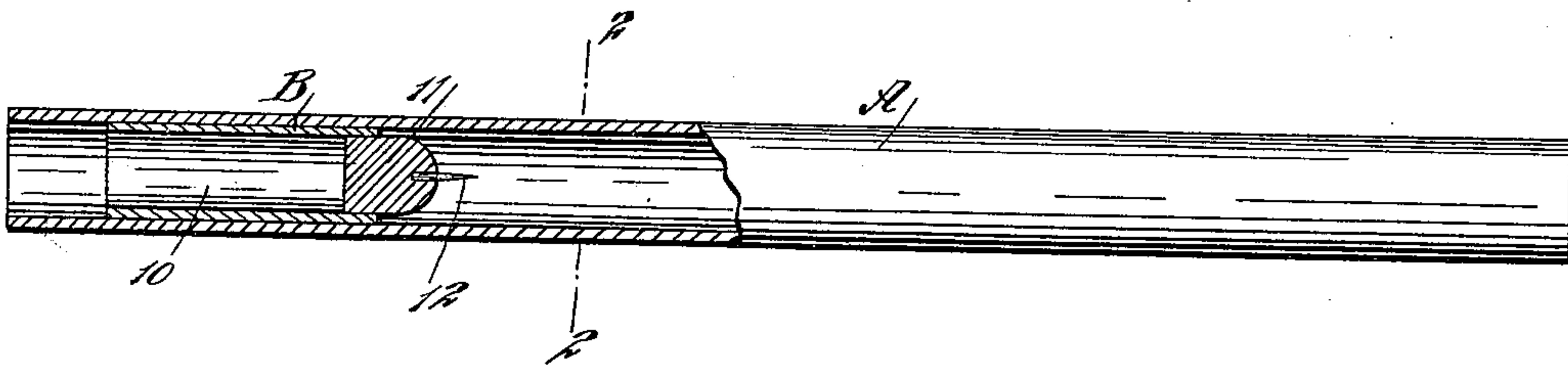


Fig. 2

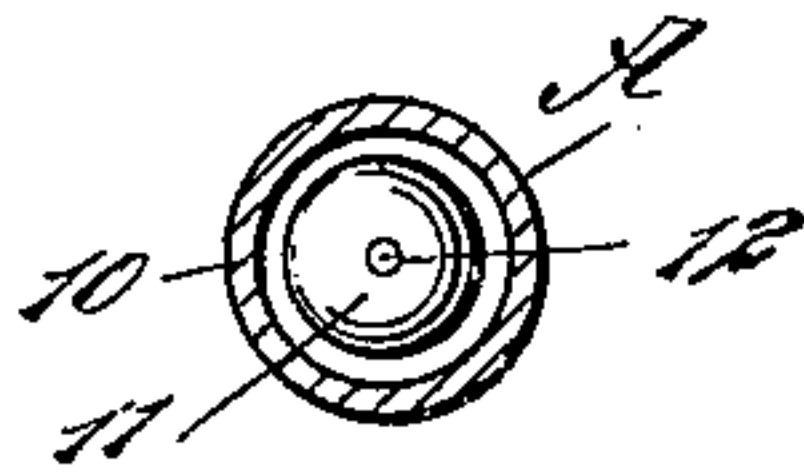


Fig. 3



WITNESSES:

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JOSEPH G. WHITTIER, OF ATTICA, INDIANA, ASSIGNOR TO HIMSELF AND
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PROJECTILE OR DART FOR BLOW-GUNS.

SPECIFICATION forming part of Letters Patent No. 637,312, dated November 21, 1899.

Application filed February 8, 1899. Serial No. 704,930. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH G. WHITTIER, of Attica, in the county of Fountain and State of Indiana, have invented a new and useful
5 Improvement in Projectiles or Darts for Blow-Guns, of which the following is a full, clear, and exact description.

One object of the invention is to provide a
10 projectile or dart for blow-guns so constructed that it will not only pass through the gun-barrel with great velocity, but will travel true to its course after leaving the barrel.

Another object of the invention is to provide a projectile or dart which upon striking
15 a target will either indent it or remain attached thereto or whereby a mark will be made upon said target at the point of impact of the projectile or dart.

The invention consists in the novel construction and combination of the several
20 parts, as will be hereinafter fully set forth, and pointed out in the claim.

Reference is to be had to the accompanying drawings, forming a part of this specification,
25 in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a partial side elevation and partial longitudinal section through the body of the barrel of the gun and a longitudinal vertical
30 section through a projectile or dart within the barrel. Fig. 2 is a transverse section taken practically on the line 2 2 of Fig. 1, and Fig. 3 is a side elevation of the projectile or dart.

35 The body of the gun consists of a barrel or tube A, open at both of its ends, and usually the interior of the barrel is unobstructed from end to end. The barrel A is adapted to receive a projectile or dart B. This projectile
40 or dart is of peculiar formation and comprises a tubular body 10, a head 11, and preferably a pin or spike 12, which projects forwardly from the central portion of the head. The barrel A may be of any suitable or approved
45 material. Usually, however, it is made of metal, and the body 10 of the projectile or dart is likewise preferably made of metal, although other material may be employed without departing from the spirit of
50 the invention. The head 11 is made of wood, celluloid, or other suitable material, and the spike or pin 12, projecting from the head, is preferably made of steel.

The projectile or dart illustrated in the drawings, when fired from the gun, is adapted
55 to so engage with the target that the spike will hold said projectile or dart in contact with the target where it strikes it; but it will be understood that the spike 12 may be omitted. In fact, the head 11 may be made
60 tubular, so as to contain ink or a dye of any kind, in which event the tubular head has a small opening where the spike or pin would otherwise be placed, through which opening
65 sufficient of the contents of the tubular head will escape to stain the target where the projectile or dart strikes the same.

When the projectile or dart is placed in the barrel, the open end of the tubular body of the cartridge is placed quite close to the end
70 of the barrel into which air is to be introduced, and the air forced into the barrel through the medium of the operator's mouth, for example, will enter the tubular body of
75 the projectile or dart and will have a tendency to hold the projectile or dart level in its course and after it leaves the barrel, and, furthermore, the projectile or dart may be made
80 to travel with greater velocity than if the body of the cartridge were solid. The head of the projectile or dart being the heaviest portion thereof renders its flight toward the target very straight.

The entire device is very simple and may be economically yet durably constructed, and
85 is especially adapted to afford amusement to juveniles.

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

As a new article of manufacture, a projectile or dart for blow-guns, consisting of a rigid tubular body formed of a section of a tube and of a diameter to fit snugly the bore of the
95 gun, and a head fitting in one end of the tube and closing said end, said head having a portion extending beyond the end of the tube and provided with a spike or pin projecting therefrom, as set forth.

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Witnesses:

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