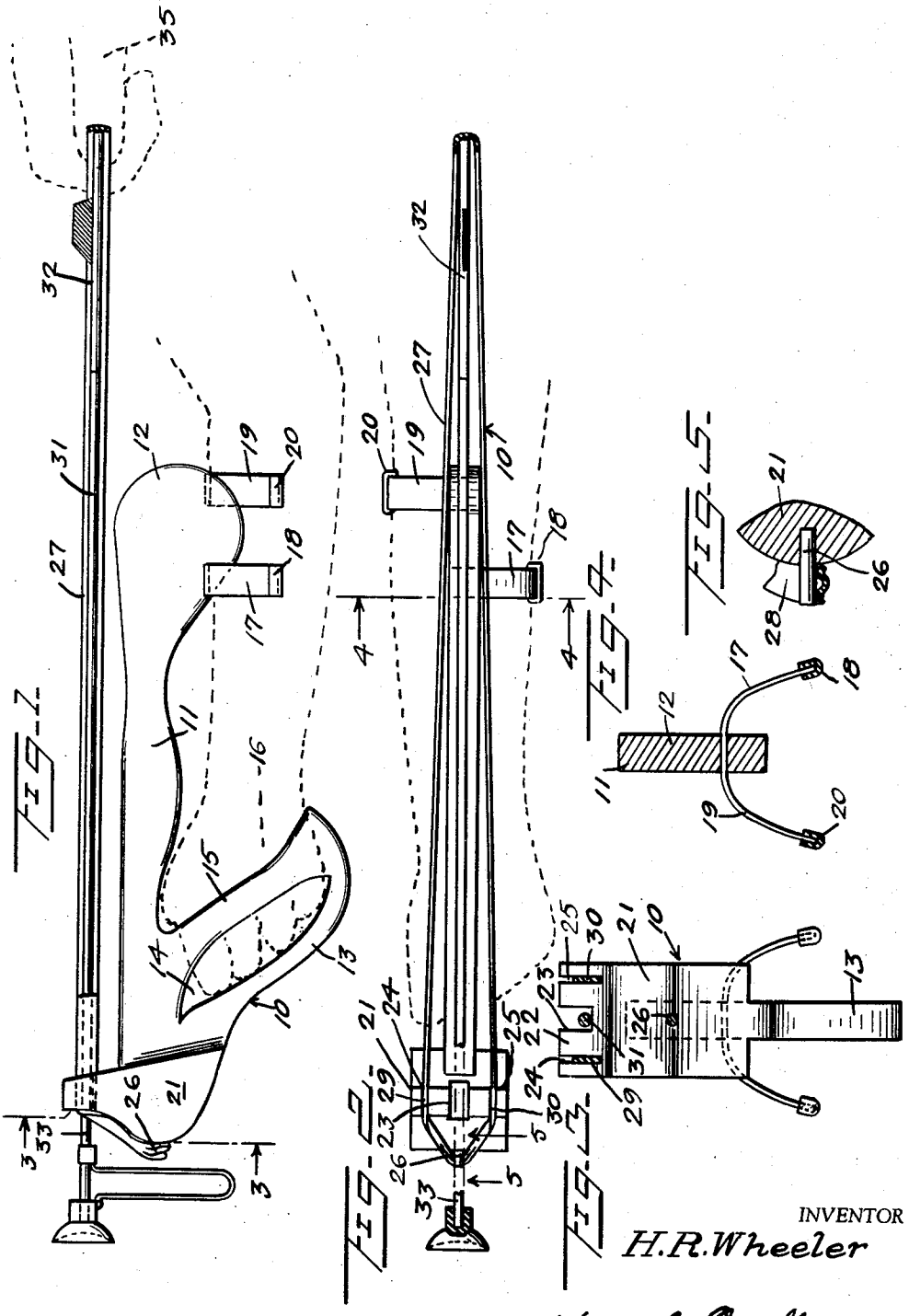
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ARCHERY GUN

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INVENTOR
H. R. Wheeler

BY Kimmel & Crowell

ATTORNEYS

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ARCHERY GUN

Hugh R. Wheeler, Tucson, Ariz.

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1 Claim. (Cl. 124—22)

The present invention relates to archery guns, and more particularly to such devices projecting an arrow by means of an elastic band.

The primary object of the invention is to provide an archery gun supported on the forearm of the user so that the gun may be aimed by pointing the arm at the target.

Another object of the invention is to provide an archery gun of the class described above in which the elastic band is detachably secured to the body of the gun and may be easily changed when weak or broken.

A further object of the invention is to provide an archery gun of the class described above having an integral hand grip formed therewith associated with the forearm support to position the gun in alignment with the forearm of the user.

A still further object of the invention is to provide an archery gun of the class described above which is inexpensive to manufacture, simple to use, and which is exceedingly accurate in use.

Other objects and advantages will become apparent in the following specification when considered in the light of the attached drawings, in which:

Figure 1 is a side elevation of the invention with the arm of the user shown in broken lines.

Figure 2 is a top plan view of the invention.

Figure 3 is a transverse cross-section taken along the lin 3—3 of Figure 1, looking in the direction of the arrows.

Figure 4 is a transverse cross-section taken along the line 4—4 of Figure 2, looking in the direction of the arrows.

Figure 5 is a fragmentary longitudinal cross-section taken along the line 5—5 of Figure 2, looking in the in the direction of the arrows.

Referring now to the drawings in detail wherein like reference characters indicate like parts throughout the several figures, the reference numeral **10** indicates generally an archery gun constructed in accordance with the invention.

The archery gun **10** comprises an elongated body portion **11** having a bulbous rear end portion **12** formed integrally with the body **11**. The body **11** adjacent its forward end is provided with a downwardly and rearwardly sloping support **13** having an elongated opening **14** formed therein so as to form a handle **15** to be grasped by the hand **16** of the user, as best illustrated in Figure 1.

A flexible deformable metal support **17** has one end thereof embedded in the bulbous end portion **12** of the body **11** and the other end thereof arcuately outwardly and downwardly extending terminating below the body **11** and having a resilient tip **18** engaged over the terminal end thereof.

A second support **19** is spaced rearwardly from the support **17** and has its inner end embedded in the bulbous end portion **12** of the body **11** similarly to the support **17**. The support **19** extends arcuately outwardly and downwardly terminating at a point spaced well below the body **11** and on the plane with the support **17**. A resilient tip **20** encompasses the terminal end portion of the support **19**. The support **19** is formed of flexible deformable metal identical to the support **17**.

A block **21** is positioned at the forward end of the body **11** and secured thereto either integrally or by any suitable means. The block **21** is provided with a vertically extending portion **22** projecting substantially above the body **11** and having a central longitudinally extending notch **23** projecting downwardly therein from the top edge thereof. The block **21** is further provided with a pair of slots **24** and **25** arranged in longitudinally extending spaced parallel relation on opposite sides of the notch **23**, as best shown in Figure 3.

A horizontally extending pin **26** is embedded in the forward end of the block **21** and projects outwardly therefrom, as best shown in Figure 5. A continuous loop of elastic material **27** has its forward end **28** engaged over the pin **26** and the forward portions of the rearwardly extending sides **29** and **30** engage in the slots **24** and **25**, respectively, as best seen in Figures 2 and 3. The elastic loop **27** may be of any form desired and molded from any suitable rubber, synthetic rubber, or other flexible material.

The slots **24** and **25** are sufficiently narrow so that the opposite sides **29** and **30** of the elastic band **27** are frictionally held therein and must be forcefully pulled therefrom to change the elastic band **27** when weak or broken.

An arrow **31** having a feathered shank **32** is positioned with its forward end portion **33** lying in the notch **23** and with the arrow generally parallel to the body **11**. The elastic loop **27** is engaged over the rear end portion of the arrow **31**, and the arrow, with the elastic loop **27**, is moved rearwardly with relation to the body **11** by the hand **35** of the user until the elastic loop **27** is under tension. The arrow **31** is then released along with the elastic loop **27** and the elastic loop **27** projects the arrow **31** away from the archery gun **10**.

Having thus described the preferred embodiment of the invention, it should be understood that numerous srtuctural modifications and adaptations may be resorted to without departing from the scope of the appended claim.

What is claimed is:

An archery gun for mounting on an archer's arm comprising a longitudinally extending body, a pair of oppositely extending downwardly projecting arm engaging support members fixedly secured to the rear end of said body, a hand grip integrally depending from the forward end of said body and sloping rearwardly therefrom at an angle similar to the angle of the archer's grip when his arm is in a shooting position, a block fixedly secured to said forward end of said body and projecting upwardly thereabove, said block having an arrow directing notch extending longitudinally of the uper edge thereof and having a slot on each side of said notch in spaced parallel relation thereto, a pin projecting horizontally from the forward end of said block, and an elastic loop detachably engaged over said pin and extending through said slots, whereby the gun aligns itself parallel with the archer's extended forearm for quick and accurate aiming.

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