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(54) **WINDAGE AND ELEVATION ADJUSTMENT EMBLEM**

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(57) **ABSTRACT**

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The Windage and Elevation Adjustment Emblem is a single diagrammatic representation that shows the user of a firearm, firearm scope, or other sighting device the correct direction in which to turn the adjustment mechanisms (screws, knobs, dials, etc.) of the sighting system to make the proper directional movements for both elevation (vertical—raise/lower) and windage (horizontal—right/left) without the use of words or the need to read.

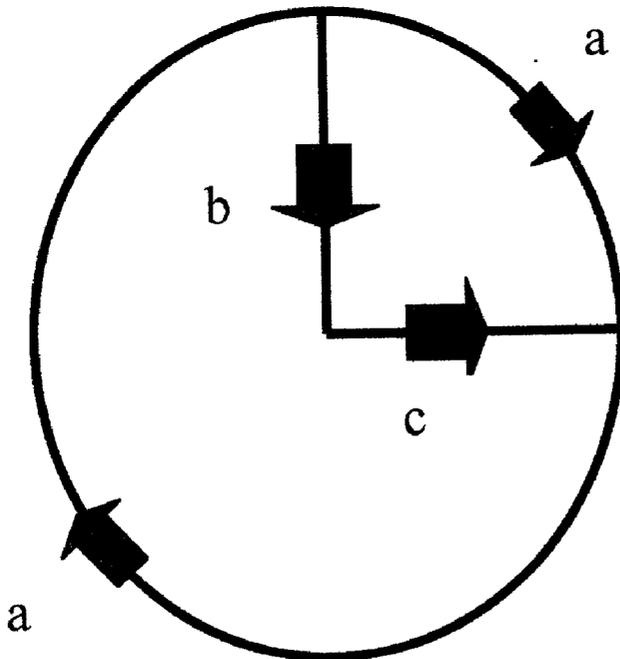
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Publication Classification

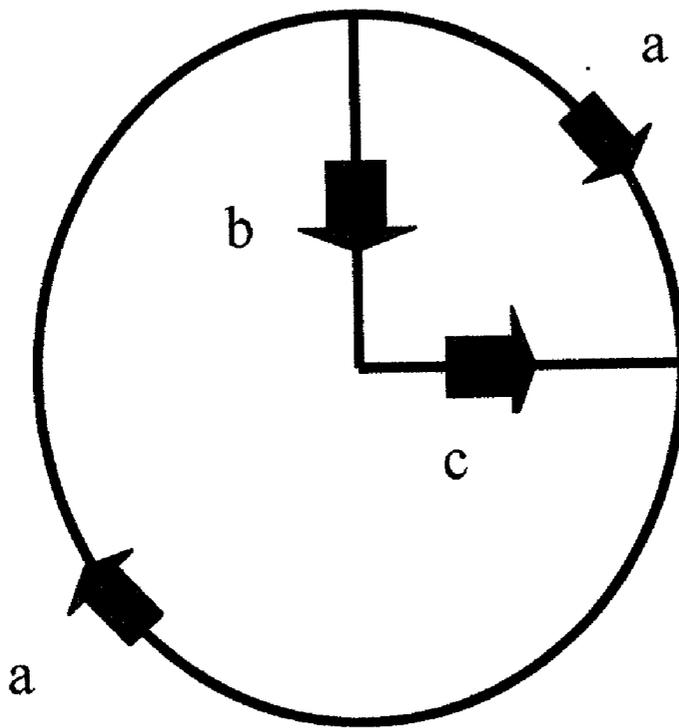
(51) **Int. Cl.⁷ F41G 1/00**

Windage & Elevation Adjustment Emblem



Scale 1:1

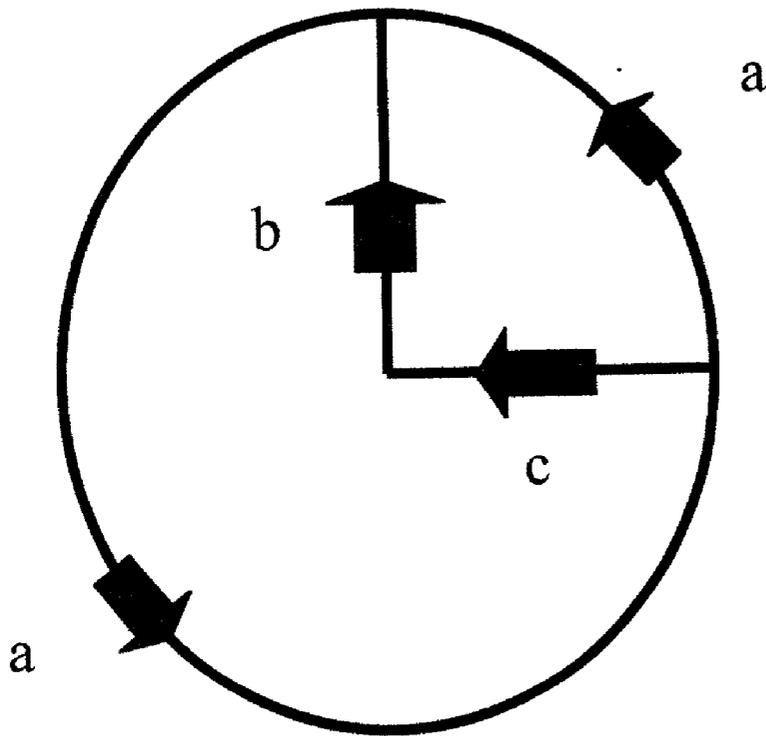
Windage & Elevation Adjustment Emblem



Scale 1:1

Drawing 1

Windage & Elevation Adjustment Emblem



Scale 1:1

Drawing 2

WINDAGE AND ELEVATION ADJUSTMENT EMBLEM

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] Not Applicable

STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH AND DEVELOPMENT

[0002] Not Applicable

REFERENCE TO A MICROFICHE APPENDIX

[0003] Not Applicable

BACKGROUND OF THE INVENTION

[0004] The field of endeavor for which the Windage and Elevation Adjustment Emblem pertains is adjustable sighted firearms, firearm scopes, and other adjustable sighting devices that utilize windage (horizontal—right or left) and elevation (vertical—raise or lower) adjustments. (Note: some manufactures may also refer to movements/changes in elevation and/or windage as movements/changes in the point of impact.)

[0005] Most such firearms, firearm scopes, and other adjustable sighting devices have mechanisms available to adjust the elevation and windage. However, there is not a uniform method applied by all worldwide manufacturers for adjusting the sighting systems. Each manufacturer independently decides how turning the adjustment mechanisms (screws, knobs, dials, etc.) will affect the sight adjustments.

[0006] Although there are usually written instructions with the accompanying manual, sometimes for used devices there may be no manual still available. Even if there is a manual to use, it is difficult to remember and cumbersome to use—especially in a field setting with several different devices—how turning the adjustment mechanisms for each device will affect change in the sighting.

[0007] Some firearms, firearm scopes, and other adjustable sighting devices do come with diagrams—usually a single semi-circular arrow—attached to the device that displays how turning the adjustment mechanism will affect either the windage or elevation. However, this is usually done separately—one for windage and another for elevation. Most such diagrams contain words “right/left” for windage and “higher/lower” for elevation. Although not an obvious problem, it could be an obstacle for those who cannot read the original language or who simply cannot read.

[0008] The Windage and Elevation Adjustment Emblem allows the user of an adjustable sighted firearm, firearm scope, and/or other sighting device to instantly discern the manner in which to turn—clockwise or counterclockwise—the adjustment mechanism (screws, knobs, dial, etc.) to quickly make the correct directional movements for windage and elevation (i.e., point of impact). The Windage and Elevation Adjustment Emblem contains no words that could be a barrier to proper adjustment. There is also no further need for two diagrams since this single emblem displays how to adjust for both windage and elevation. This emblem can also be attached directly to the device either during or after manufacture.

[0009] The Windage and Elevation Adjustment Emblem is very flexible in its application. The manufacturer can independently determine the size of the emblem, the colors used, the directional combination and/or the number of the arrows (clockwise, counterclockwise, up/down, and left/right), the material used, and where and how the emblem is applied on the device.

BRIEF SUMMARY OF INVENTION

[0010] The Windage and Elevation Adjustment Emblem gives the user in a single diagram (i.e., emblem) a quick, vivid, and accurate illustration of how to adjust the sighting mechanism(s) of a firearm, firearm scope, or other sighting device for both windage (horizontal—left/right) and elevation (vertical—raise/lower) without the need for words or written instructions.

BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING

[0011] There are two accompanying drawings labeled as Drawing 1 and Drawing 2.

[0012] Drawing 1 shows that by turning the adjustment mechanism “a” (screw, knob, dial, etc.) clockwise, the elevation “b” (vertical) of the device will be lowered. Also by turning the adjustment mechanism clockwise, the windage “c” (horizontal) movement will be toward the right. Drawing 1 also shows—by implication—that to reverse the direction of either the elevation or windage (up and left, respectively) one simply needs to turn the adjustment mechanism(s) “a” in the counterclockwise direction.

[0013] Drawing 2 shows that all the arrows have been reversed 180 degrees from those in Drawing 1. Here, turning the appropriate adjustment mechanism(s) “a” counterclockwise will raise the elevation “b” and the movement of the windage “c” will be to the left. By inference (and similar to Drawing 1) Drawing 2 shows turning the adjustment mechanism “a” clockwise will lower the elevation “b” and the move the windage “c” to the right.

[0014] The rotation of the adjustment mechanism(s) “a” can only be in two directions—clockwise or counterclockwise. The manufacturer determines this when the sighting system on the firearm, firearm scope, and/or other sighting devices are designed and produced. As stated above, each manufacturer decides independently how to correct for windage and elevation (i.e., point of impact) of their particular firearm, firearm scope, or other sighting device. However, no matter how a manufacturer decides to design the sighting adjustment mechanism(s), the Windage and Elevation Adjustment Emblem can correctly depict those adjustments by using the different combinations of directional arrows for the adjustment mechanism “a” with respect to the changes in the elevation “b”, and the windage “c”.

DETAILED DESCRIPTION OF THE INVENTION

[0015] The Windage and Elevation Adjustment Emblem is an diagrammatic and/or symbolic representation that is attached, stamped, embossed, and/or painted to a firearm, firearm scope, or other sighting device that displays to the user how to appropriately turn the adjustment mechanism(s) (screws, knobs, dials, etc.) of the sight to make the correct

directional changes in both the windage and/or elevation. Use of this single illustration (i.e., emblem) will save time by giving the user a quick, clear reference without the need for any words and/or the need to look through a manual.

[0016] The Windage and Elevation Adjustment Emblem shows much information in its depiction. Since the sighting adjustment mechanisms (screws, knobs, dials, etc.) can only be moved in two directions—clockwise or counterclockwise, if the emblem displays that by turning the adjustment mechanism in one of the directions will move the windage and/or elevation in a certain direction (left/right and raise/lower, respectively), then, by implication, turning the adjustment mechanism in the opposite direction will move the windage and/or elevation in the opposite direction to that shown by the emblem.

[0017] The Windage and Elevation Adjustment Emblem can be made to fit the needs of any firearm, firearm scope, or other sighting device manufacturers design and can be attached either during manufacture or after manufacture. This emblem is very flexible in that any independent manufacturer can also decide on the size of the emblem, where it will be attached, how it will be attached (e.g., decal, stamped, embossed, painted, printed on device or in manual,

etc.), the color, the direction of the arrows (labeled “a”, “b”, and “c” in Diagrams 1 and 2), the number of arrows, and the material(s).

1. It is claimed that the Windage and Elevation Adjustment Emblem will allow the user of an adjustable sighted firearm, firearm scope, and/or other sighting device to quickly discern, with a single diagram (i.e., emblem), without words and/or the need to read, the correct manner (i.e., direction) in which to turn the sighting adjustment mechanism(s) (knobs, dials, screws, etc.) to adjust both the windage (horizontal—right/left) and elevation (vertical—raise/lower) of the sighting system. (Note: adjustments in windage and elevation may also be referred to as adjustments in the point of impact.)

2. The Windage and Elevation Adjustment Emblem can be manufactured and configured in many styles and/or manner (size, color(s), where and how it will be applied, materials used, direction, size and/or number of arrows, size and type of lines, etc.) to fit the design needs of any manufacturer for their particular firearm, firearm scope, and/or other sighting device, can be attached by many modes including stamped, embossed, decal, paint, printed (on device or in manual) and/or other process, and can be applied either during or after production.

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