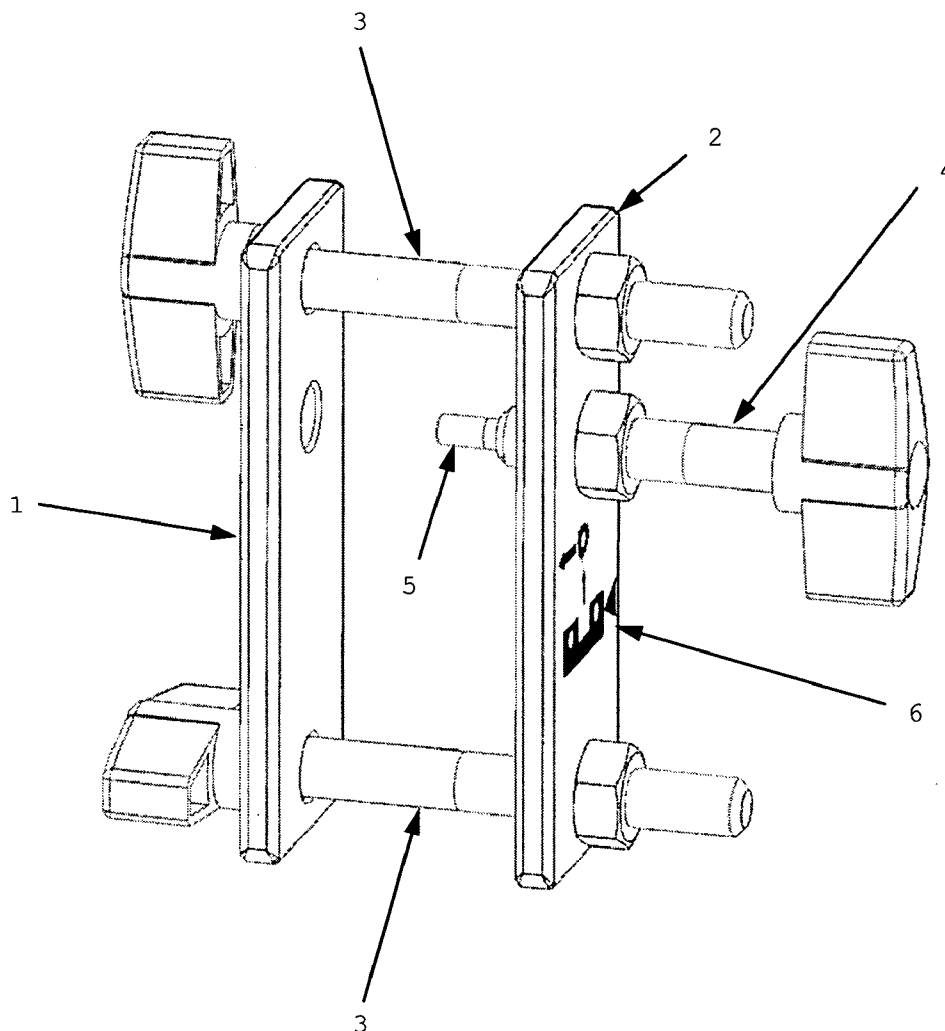




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(19) **United States**(12) **Patent Application Publication****Jorge Gomez**(10) **Pub. No.: US 2015/0135500 A1**(43) **Pub. Date: May 21, 2015**(54) **DEVICE AND PROCEDURE FOR THE
ADJUSTMENT OF SIGHTS OF HANDGUNS.****Publication Classification**(71) Applicant: **Eneko Jorge Gomez**, Saint-
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Pee-Sur-Nivelle (FR)(21) Appl. No.: **14/541,189**(22) Filed: **Nov. 14, 2014**(30) **Foreign Application Priority Data**

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(51) **Int. Cl.**
F41G 1/54 (2006.01)(52) **U.S. Cl.**
CPC **F41G 1/545** (2013.01)(57) **ABSTRACT**Device and procedure for the adjustment of sight of hand-
guns.This device is used for adjust the front sight and rear sight in
handguns when the handgun has a deviation.This invention is featured by a plate with nuts (1), a plate with
holes (2), two tightening screw (3), a drift screw (4), an
interchangeable tip (5), and a quick reference (6). Also this
patent describes the procedure specific for the tool assembly
in a handgun.The device in accordance with the invention is particularly
designed to do the adjustment of a handgun.

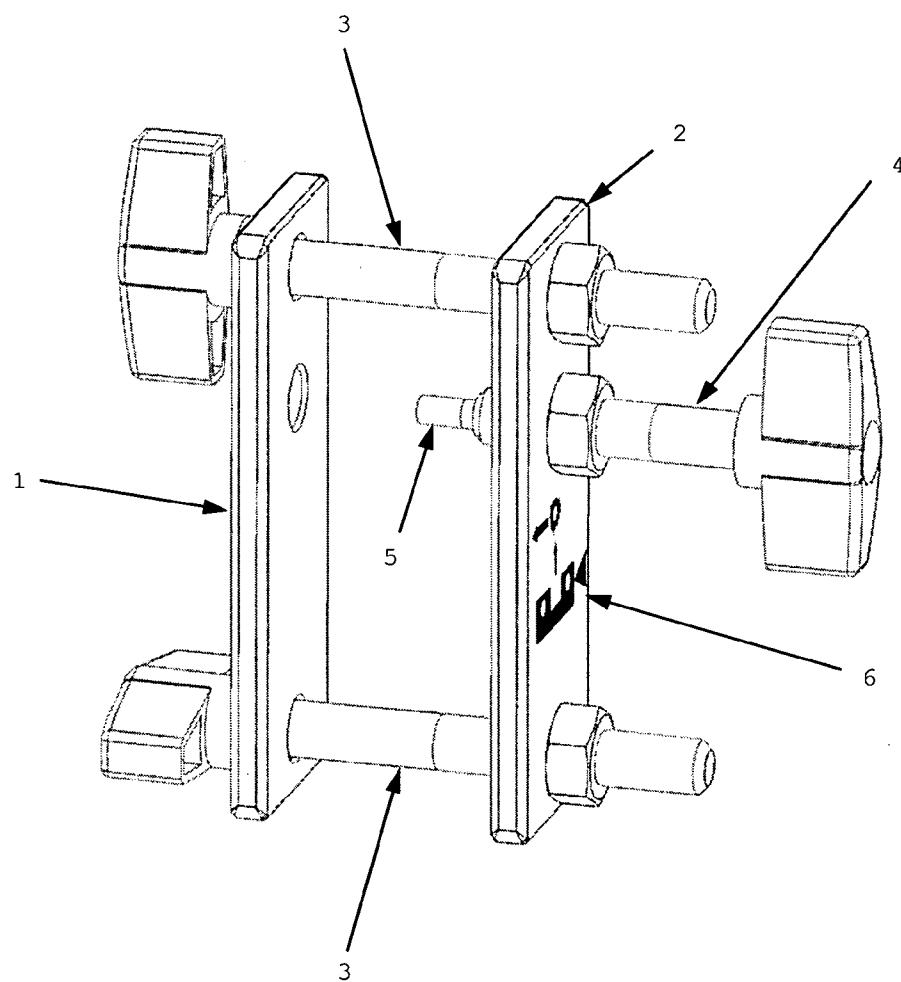


FIG.1

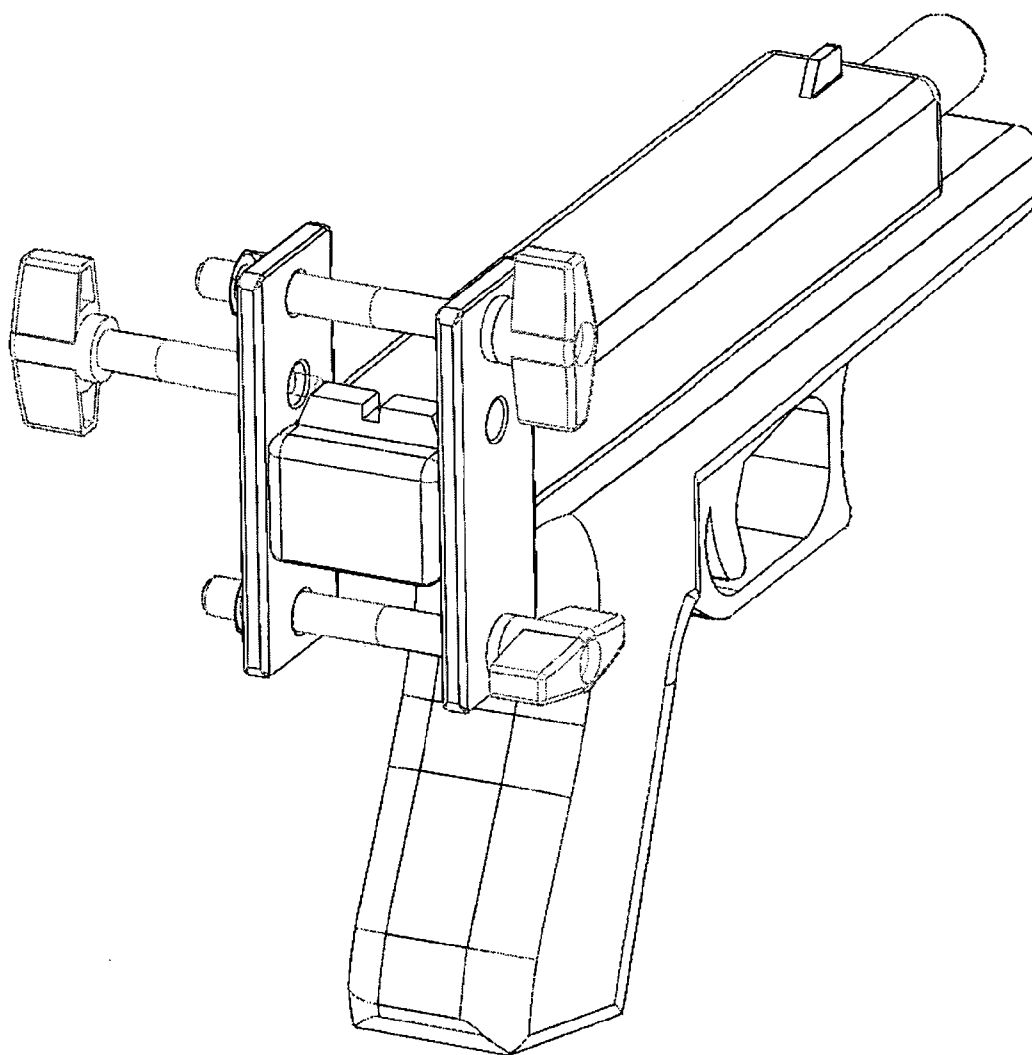


FIG.2

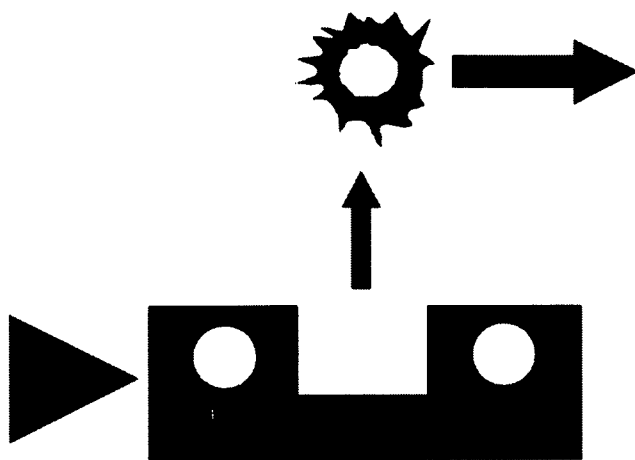


FIG.3

DEVICE AND PROCEDURE FOR THE ADJUSTMENT OF SIGHTS OF HANDGUNS.

FIELD OF THE INVENTION

[0001] The actual invention relates to a device to adjust the sights of every handgun. This invention is a universal tool that allows the adjustment of the sights of handguns without damage to the sight or the slide.

[0002] Naturally, the invention can be used in all the types of rear sights which have a reference axis, such as shooter axis view and it has to coincide with handgun shoot direction.

DESCRIPTION OF THE PRIOR ART

[0003] Usually the handgun sight adjustment is a difficult task.

[0004] Many slides have a rear sight and front sights which are assembled on it. This assembly is adjusted at the manufacture in such a manner that all is perfectly aligned.

[0005] But usually, the handguns users, especially the users who go to the shooting range, notice that exist a deflection. The shoot deflection is due to the alignment of the sights, it is different in function of the individual shooter. Not everybody uses a firearm the same way.

[0006] One common method of adjusting rear sights is with tools that actually are on the market. But these current tools have lots of problems, like the size, because these tools are too big and heavy. For that reason they are really uncomfortable to carry in a range bag. Another problem is that for the adjustment of the rear sight it is necessary to disassemble the slide. This produces a waste of time to the user and also it is a big inconvenient. With the current tools, is very easy to damage the sights because the material of the parts that pushes the sights are hard. These tools usually can be used at one handgun model only.

[0007] This tool allows to properly align the sights, as well as to give a quick align method without damage to the sight or the slides and without requiring any disassembly.

SUMMARY OF THE INVENTION

[0008] The present invention relates to a universal tool and procedure for the adjustment of the sights of a handgun. The main object of this device is that this adjustment can be done without any disassembly of the handgun in contradiction to the actual tools.

[0009] A further object of the invention is to provide a tool that does not damage the sight or the slide.

[0010] A further object of the invention is to provide a tool that is easy transport and to use.

[0011] A further object of the invention is to provide a tool that can be used without any auxiliary tool.

[0012] A further object of the invention is to provide a tool which has to be simple and not expensive to manufacture.

[0013] A further object of the invention is to provide a tool that can be used in an extended range of handguns.

[0014] A further object of the invention is to provide a tool which has one interchangeable tip, that depending of the sights the tip can be changed for another more appropriated one.

[0015] A further object of the invention is to provide a tool which has one quick reference, for the shooter to know how to adjust the sight.

[0016] A further object of the invention is to provide a tool which can be used to adjust front sights of a handgun even if that is not the main object.

[0017] Finally other scopes or advantages of this invention can be found in the following sections or in the claims section.

DRAWING DESCRIPTION

[0018] For a more complete understanding of features and functioning of the invention, drawings are attached.

[0019] FIG. 1. It is one view in perspective of the assembled tool. In this image, each component of the tool are numerated.

[0020] FIG. 2. It is the view in perspective of the tool assembled on a handgun and ready to be used following the instructions described on the next section.

[0021] FIG. 3. It is the view of the plate that feature the quick reference.

DETAILED DESCRIPTION OF THE INVENTION

[0022] The different components of the tool in reference to the FIG. 1 will be described here:

[0023] 1. Plate.

[0024] 2. Plaque with nuts.

[0025] 3. Tightening screw.

[0026] 4. Drift screw.

[0027] 5. Interchangeable tip.

[0028] 6. Quick reference.

[0029] This tool is made up by two plates that can be metallic and each plate has three holes (1). One of the plates (2) has fixed some nuts that can be different between them or the same type and also they can be attached by welding or another fixation type. The same plate has a quick reference (6) in order to give information to the user of how to adjust the sight.

[0030] Another of the components are the tightening screws (3). These are assembled at the outermost holes of the plates and they are tightened through the nuts. These screws are designed for not needing others tools, therefore they are tightened by the knobs.

[0031] The last component is the drift screw (4). The drift screw has the function to push the sight for its alignment. Also the drift screw has an interchangeable tip (5). This tip is screwed into the drift screw.

[0032] All the materials can have a surface coating in order to improve wear and corrosion resistance.

[0033] To conclude this section, it will be described how to use this tool:

[0034] First, the tool has to be assembled in accordance with FIG. 1. That, can be consulted on the plate with the quick reference (6). After that, the user has to unload the handgun, place an empty magazine and then rack the slide back and hold it there. Alternately if the user wants, he can disassembly the slide in order to do the adjustment. Next, the user has to place masking tape or another material in both sides where the tool will touch the slide to avoid scratches. If the sight features a tightening screw, the user has to loosen it now.

[0035] Now the user has to slide the tool from the back of the handgun with care. Once the tool is in the correct position, the user has to pre-tighten the tightening screws (3) for the fixation of the tool to the handgun. In order to finish positioning the tool, the user has to tighten the drift screw (4) into the central nut, until the interchangeable tip (5) touches the sight.

[0036] Finally, the user loosens the tightening screws and he removes the tool. After, he has to tighten the sight screw to avoid the movement (if applicable) and he stores the tool in his range bag.

1. A universal device for the sight adjustments that it is made up by the following components.

- a. Two plates that can be metallic, which have some holes each plate (1). Also one of the plates (2) has attached some nuts that can be different between them or be same type of nut. Also they can be attached by welding or another method.
- b. Two tightening screws (3) that are assembled at the outermost holes of the plate creating a clamping effect when combined with them. They are featured to be used without any auxiliary tools.
- c. A drift screw (4) which has the function to push the sight for its adjustment using the interchangeable tip.
- d. An interchangeable tip (5), which pushes the sight at the correct position. The material of this component depends of the sight.

e. A quick reference (6) in order to give information to the user of how to use the tool.

2. An interchangeable tip as defined in claim 1, featured by the way to attaching it to the drift screw (screwed it) and depending of the sight will be use one material or another.

3. The use of the tool defined in claim 1, featured by the use without any auxiliary tool.

4. A quick reference as defined in claim 1, featured by being engraved or reproduced in any other way in the plate to explain how to use the tool.

5. Procedure of tool utilization defined in the description of how to use the tool.

6. The plates as defined in claim 1, featured for not having sharp corners in order to make it pleasant in hand.

7. The plates as defined in claim 1, featured by one which has three nuts for solving attaching problems between the handgun and the tool.

8. The screws as defined in claim 1, featuring a knob that eliminates the necessity to use an auxiliary tool.

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