H. O. BUCEY.
FACING DEVICE FOR IGNITION CONTACT POINTS.
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[Diagram of facing device for ignition contact points]

Harold O. Bucey, Inventor.
To all whom it may concern:

Be it known that I, HAROLD O. BUCEY, a citizen of the United States, residing at the city of Tacoma, in the county of Pierce and State of Washington, have invented new and useful Improvements in Facing Devices for Ignition Contact Points, of which the following is a specification.

This invention relates to devices for refacing contact points and ignition systems of gas motors and more particularly those used in automobiles.

The object of the invention is to provide a simple device whereby the contact points of gas motors, after being made rough and uneven by service, may be refaced so as to have a contact as good as when new and thus obviate the expense of replacing with new points. It also has a form of construction in which the contact points are refaced and finished with perfectly true and square faces.

The invention is illustrated with one sheet of full size drawings accompanying this specification, which set forth the structure, arrangements and parts hereinafter more particularly described and claimed. Like reference characters indicate like parts throughout.

Fig. 1 is a top or face view of the invention.

Fig. 2 is a left side view of Fig. 1.

Fig. 3 is a front side view and part section on line 3—3 of Fig. 1.

Fig. 4 is a view of one form of contact arm 35 and contact screw stem 9 with faced points 10.

Fig. 5 is a section of Fig. 1 on line 5—5 showing the screw stem 9 in place to be refaced.

Fig. 6 is a left side view of the device showing the contact arm 8 fixed in position to be refaced.

The invention consists of two metal clamps, numbers 1 and 2, respectively and with their faces slightly clear above the jaw edges of the vise formed by them. Slots 7 and 8 are milled on the inner edge of the clamp members to receive and hold the screw stem point at right angles with the glass plates, as shown in Fig. 5. Held in this position the point 10 is readily refaced, the glass plates forming a guide for the facing tool or stone until the point is filed or ground down flush with a perfectly smooth and square face.

The contact arm 8 is to be secured in proper position for refacing within the vise and the clamp members 1 and 2, as shown in Fig. 6 and its point refaced as described for the screw stem point.

There are other forms of contact arms now in use and the jaw extensions 11 and 12 are added to the vise in order that these other forms of contact arms may be inserted and held in proper position for being refaced as herein described.

The purpose of the glass plates 5 and 6 is to provide a durable surface to hold the facing tool on a true plane at right angles with the jaws of the vise. The glass being hard, its surface is not perceptibly worn by the facing tool and the use of the facing device or clamp is thereby greatly prolonged.

The rectangular block form of the invention with the glass plates fixed thereon provides a new and useful device for the use and purposes set forth.

Having thus fully described my invention, I claim:

1. A facing device for ignition contact points, comprising clamp members as described, said members adjustable connected with a vise screw and having guide stems and glass face plates on the faces of said members to protect the jaws and faces of said device from being worn by a facing tool.

2. A facing device for ignition contact points comprising a vise constructed with glass faced members, said members adjustable connected and operated by means of a vise screw and guide stems and oppositely milled slots in the jaws of said vise, said slots being at right angles with the surfaces of said glass faced members to receive and hold the screw stem ignition points at right angles therewith.

3. A facing device for ignition contact points comprising a rectangular block shaped vise, means for opening and closing the jaw members of said vise, glass plates suitably bedded and fixed on the faces of said jaw members and suitable extensions from the jaws of said vise to receive and securely hold any form of contact arm for refacing its ignition points.

HAROLD O. BUCEY.