

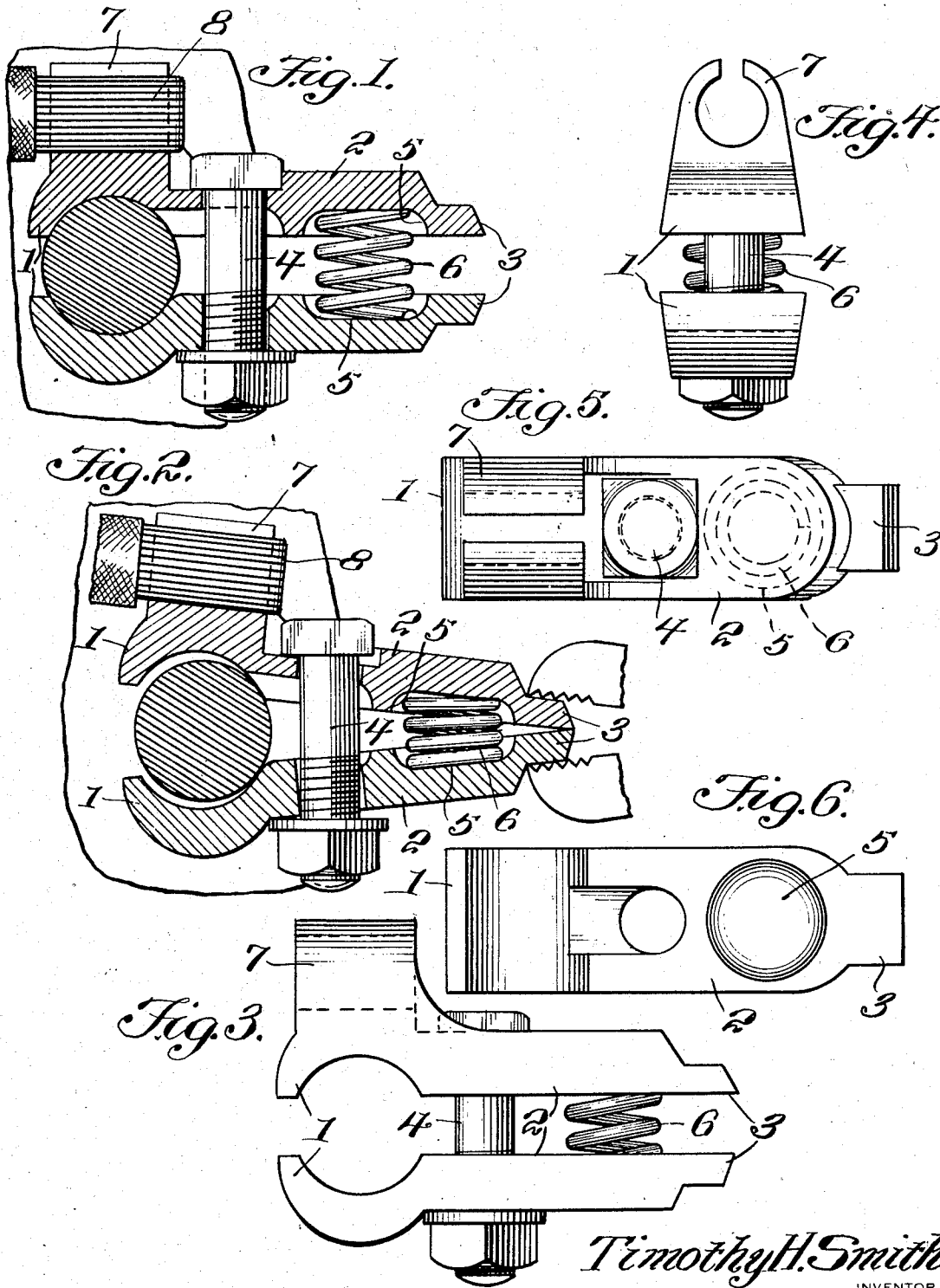
Nov. 5, 1935.

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2,020,220

BATTERY POST TERMINAL CLAMP

Filed July 2, 1934



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WITNESS.

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2,020,220

BATTERY POST TERMINAL CLAMP

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Application July 2, 1934, Serial No. 733,521

1 Claim. (Cl. 173—259)

This invention relates to a battery terminal clamp and has for the primary object the provision of a device of the above stated character which may be easily and quickly applied and removed from a terminal post of a battery without the use of a screw driver, wrench or a similar tool and which applied to the post will provide an efficient electrical connection therewith and will not be duly affected by corrosion.

With these and other objects in view this invention consists in certain novel features of construction, combination and arrangement of parts to be hereinafter more fully described and claimed.

For a complete understanding of my invention, reference is to be had to the following description and accompanying drawing, in which

Figure 1 is a horizontal sectional view illustrating a clamp constructed in accordance with my invention.

Figure 2 is a similar view showing the jaws of the clamp positioned for releasing the clamp from the terminal post of the battery.

Figure 3 is a top plan view illustrating the clamp.

Figure 4 is an end view illustrating the clamp.

Figure 5 is a side elevation illustrating the device.

Figure 6 is a plan view illustrating one of the jaws.

Referring in detail to the drawing, the numeral 1 indicates a pair of substantially arcuate shaped jaws having formed integrally therewith shanks 2, the free ends of which are reduced to form tool engaging elements 3. The shanks 2 adjacent to their formation with the clamps are provided with aligned openings to receive a bolt 4, the head of which fits in a recess formed in one of the shanks. The diameter of the openings

of the shanks is slightly larger than the diameter of the bolt so that the jaws may have a limited pivotal movement with respect to each other. The opposing faces of the shanks are provided with spring seats 5 to receive a coil spring 6 acting to urge the jaws 1 towards each other. One of the jaws has formed integrally therewith a split clamp 7 to receive and be secured in the ordinary way to an electrical conductor 8.

Force applied to the tool engaging faces 3 of the shanks will cause a pivotal movement of the jaws away from each other to assume the position as shown in Figure 2 where said jaws may be readily placed over or removed from a terminal post of a battery. The force when released from the shanks, the spring 6 forces the jaws tightly against the post and thereby forms an efficient electrical connection with the post.

Having described the invention, I claim:

A battery terminal clamp comprising a pair of jaws having arcuately curved opposed faces to engage a battery terminal, elongated shanks integral with the jaws and having openings located adjacent said jaws, a bolt having a threaded nut extending through said openings for adjustably connecting the shanks for a limited pivotal movement relative to one another, said shanks adjacent the free ends thereof having seats in the opposing faces, a coil spring engaging the seats to urge the jaws to engage and grip the terminal, said shanks having the free ends thereof reduced and provided with outer flattened faces to be engaged by a tool for compressing the spring and thereby disengaging the jaws from the terminal, and a terminal clamp integral with the outer face of one of said jaws.

TIMOTHY H. SMITH.