June 26, 1923.

1,460,283

S. J. SHUTSA

ATTACHING CLAMP

Filed April 18, 1922

Fig. 1.

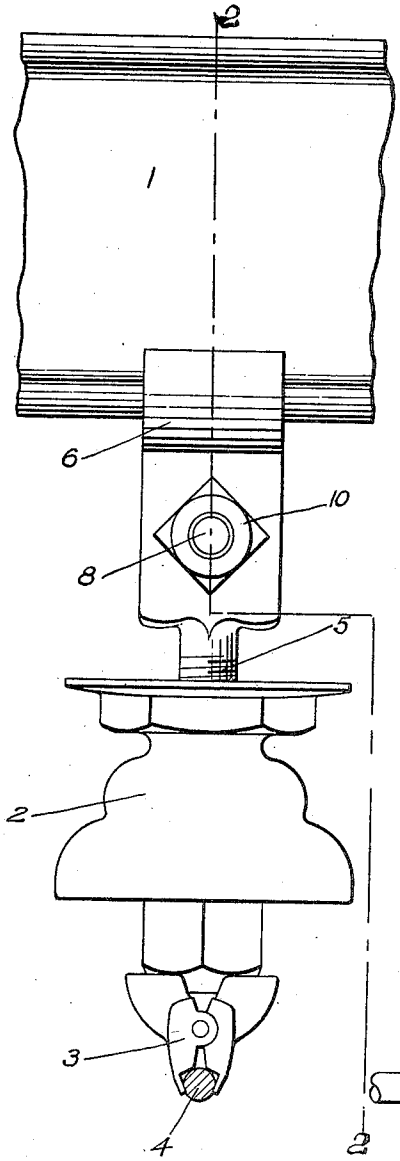
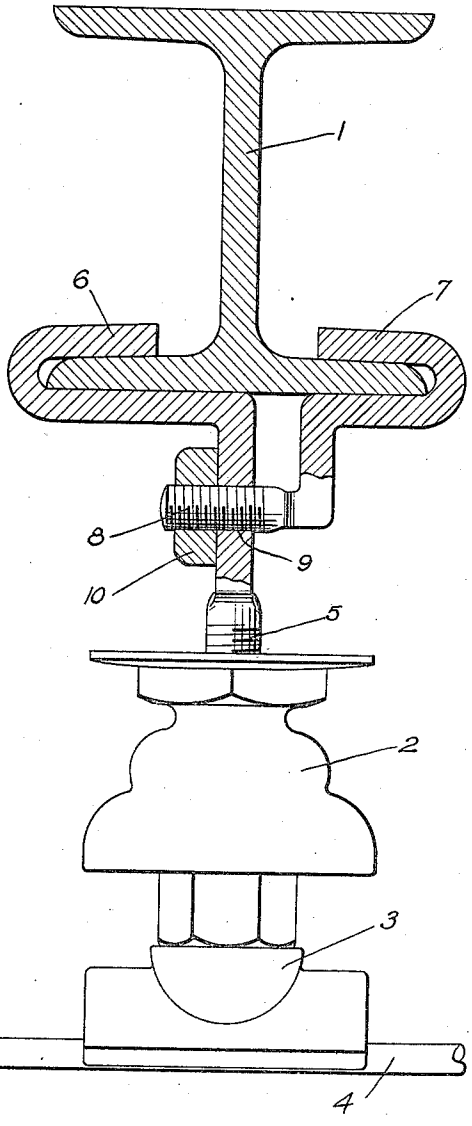


Fig. 2.



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WITNESS: R. E. Wise.

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UNITED STATES PATENT OFFICE.

STEPHEN J. SHUTSA, OF UNIONTOWN, PENNSYLVANIA.

ATTACHING CLAMP.

Application filed April 18, 1922. Serial No. 554,490.

To all whom it may concern:

Be it known that I, STEPHEN J. SHUTSA, a citizen of the United States, residing at Uniontown, in the county of Fayette and State of Pennsylvania, have invented new and useful Improvements in Attaching Clamps, of which the following is a specification.

My present invention has reference to hangers for clamps for trolley wires in electric railway systems employed in mines.

My object is to simplify and improve the existing art by producing a device of this character which can be easily, quickly and securely attached to the I beams that provide supports for such clamps,

The foregoing, and other objects which will appear as the nature of the invention is better understood, may be accomplished by a construction, combination and operative association of parts, such as is disclosed by the drawings which accompany and which form part of this specification.

In the drawings:—

Figure 1 is an elevation of the improvement in applied position.

Figure 2 is a sectional view on the line 2—2 of Figure 1.

Referring now to the drawings in detail, the numeral 1 designates an I-beam, such as is commonly employed for supporting clamps for trolley wires in mines.

The clamp includes the bell 2 that carries the swivelly connected clamping jaws 3 which engage the wire 4. The opposite end of the bell has a threaded bore in which is screwed the shank portion 5 of one of the jaws 6 of my improvement. The jaw 6 is arranged over one of the flanges of the I-beam 1, a second jaw 7 being arranged over the opposite flange. This jaw 7 is also provided with a threaded shank 8, but the same is arranged substantially parallel with the jaw proper, and not right angularly with respect thereto, as is the shank 5 of the jaw 6. The shank 5, at its juncture, or slightly below its juncture with the jaw 6 is provided with a round opening 9 through which the threaded shank 8 of the jaw 7 passes, while a nut 10 is screwed on the said shank 8 and is arranged in contacting engagement with one of the sides of the shank 5 of the jaw 6.

The improvement may be easily and quickly attached to an I-beam and will effectively sustain the bell and jaws 3 thereon. The improvement likewise may be readily detached, and it is thought that the foregoing description, when taken in connection with the drawings will fully set forth the advantages of the improvement to those skilled in the art to which this invention relates.

Having described the invention, I claim:—

In combination with an I-beam, of a means for supporting a trolley wire therefrom, including a hook to engage one side of the lower flange of the I-beam, said hook having a rightangular flattened shank merging into a threaded portion and which shank is disposed directly below the center of the I-beam, a second hook to engage the second side of the lower flange of the I-beam having a depending portion terminating in an angularly threaded extension that passes through the flattened shank of the first mentioned hook, a nut screwed on said threaded extension for clamping the jaws on the lower flange of the I-beam, and means on the threaded extension of the flattened shank of the first mentioned jaw for clamping a trolley wire thereto.

In testimony whereof I affix my signature.

STEPHEN J. SHUTSA.