

A. G. SANDMAN.
ART OF MANUFACTURING POCKET STRAPS OR YOKES.
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1,064,999.

Patented June 17, 1913.

FIG. 1.

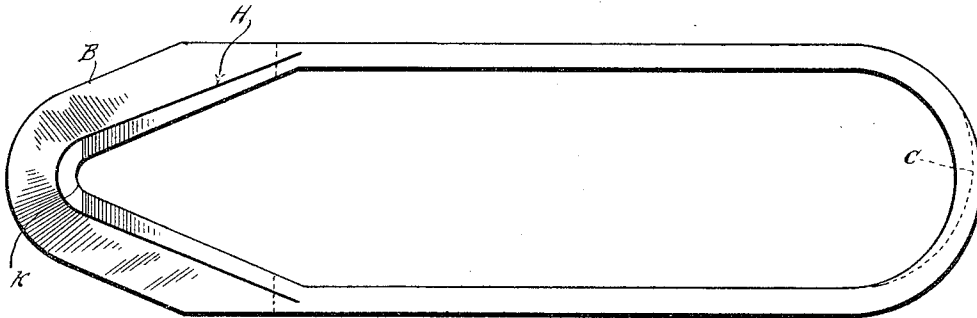


FIG. 2.

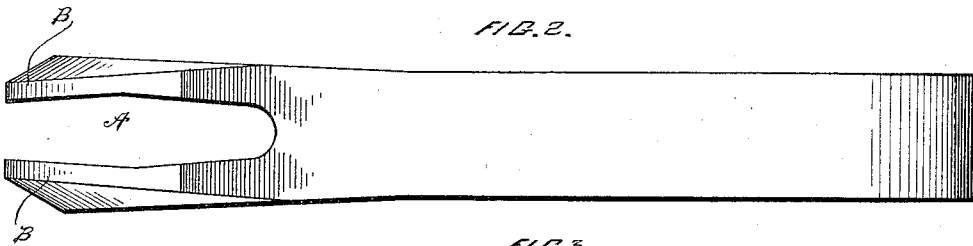


FIG. 3.

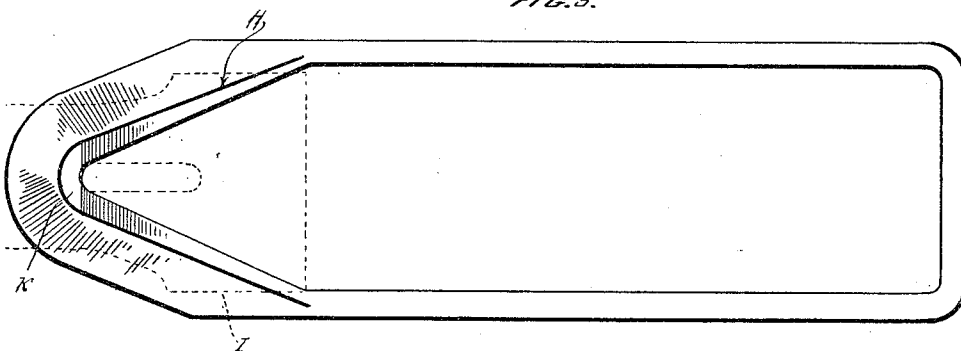
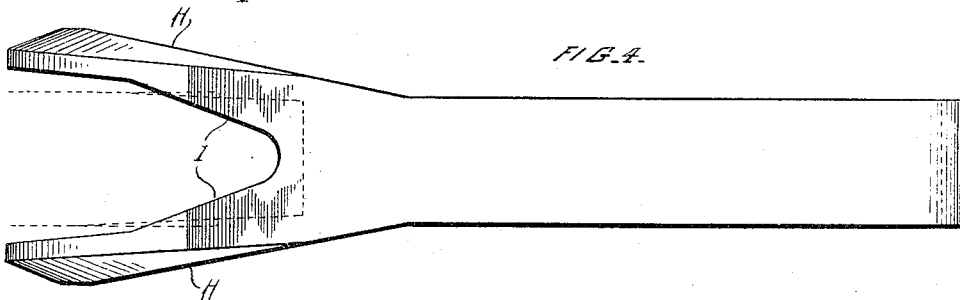


FIG. 4.



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ART OF MANUFACTURING POCKET STRAPS OR YOKES.

1,064,999.

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To all whom it may concern:

Be it known that I, AUGUST G. SANDMAN, a citizen of the United States, residing at Baltimore city, in the State of Maryland, have invented certain new and useful Improvements in the Art of Manufacturing Pocket Straps or Yokes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to practise the same.

To facilitate the removal of a draw bar and coupler head from an assembled draft and buffing gear and the substitution of another, the end of the draw bar is slotted and a removable key is inserted within the slot, the projecting ends of which key are adapted to engage arms at the front ends of a pocket strap or yoke. As the arms of the yoke are located at the sides of the draw bar and the space between the draw bar and draft beams of the car is limited, it is desirable to secure the greatest strength possible with the least quantity or bulk of metal, consequently the pocket strap or yoke should be of malleable or wrought metal.

The object of my invention is the production of a strap or yoke by bending and forging a malleable metallic bar to the desired shape whereby the greatest strength with the least quantity of metal will be secured.

With this end in view, the invention consists in the art or method of procedure herein set forth and claimed.

The accompanying drawing illustrates a blank, or partially prepared piece of metal requiring further manipulation to be formed into a finished article constituting a pocket strap, and also a finished strap as a complete article ready for use.

Figures 1 and 2 are side and top plan views of a formed blank. Figs. 3 and 4 are side and top plan views of a completed pocket strap or yoke, the position of the rear slotted end of a draw bar between the arms of the yoke being indicated by dotted lines.

A bar of wrought metal, for example 5" or 6" wide and 1" or more thick, and of the requisite length, is manipulated in forming the blank shown by Figs. 1 and 2. To

fashion the blank shown by Figs. 1 and 2 a bar of metal intermediate its ends is forged between dies forming a slot A and flanges B B. The bar is then bent upon itself intermediate the ends of the slot and the free ends at C welded together. It will be observed that the blank illustrated has a closed rear end, top and bottom parallel members, and a front end with uncompleted arms spaced apart, each arm being tapered toward the end. To produce the completed pocket strap or yoke further manipulation is necessary and it consists in forging the end of the blank having the arms between suitable dies (not shown), spreading the arms apart far enough to receive the rear end of the draw bar, fashioning the flanges H H and the top and bottom flanges I I on the arms, and providing an increased thickness of metal at the points K against which the ends of a key bear in the act of drawing.

From the foregoing description taken in connection with the drawings it becomes clear that I have devised a simple and comparatively cheap method of manufacturing a malleable metal yoke or pocket strap of maximum strength with the least quantity of metal and which has arms that can receive the rear end of a draw bar and occupy the limited space between the draft beams of a car floor frame, the said arms, moreover, being strong enough to withstand the strains of severe service without breaking.

What I claim is:

The art of manufacturing a pocket strap, consisting in taking a bar of metal, displacing the metal intermediate the ends of the bar, thus simultaneously forming a slot and flanges, bending the bar to form parallel arms, then uniting the free ends, and finally forging the slotted end of the blank and spreading the parts each side of the slot to form spaced arms.

In testimony whereof I affix my signature, in the presence of two witnesses.

AUGUST G. SANDMAN.

Witnesses:

WM. N. ALLMAN,
C. HERBERT PUND.