



# UNITED STATES PATENT OFFICE.

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## AXLE-GAGE.

SPECIFICATION forming part of Letters Patent No. 495,444, dated April 11, 1893.

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*To all whom it may concern:*

Be it known that we, WILLIAM A. WOICESKI, VALENTINE M. HYDE, and CHRISTIAN C. MARTENS, of Bloomington, in the county of  
5 McLean and State of Illinois, have invented certain new and useful Improvements in Axle-Gages; and we do hereby declare that the following is a full, clear, and exact description  
10 of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form  
15 part of this specification.

This invention relates to certain improvements in axle-setters, and more particularly to a new and useful improvement in the use  
20 of a dial having an indicator attached to its outer end portion, said indicator being continuously connected with a crank portion, having journals, &c., which will be hereinafter more fully described.

The objects of our invention are to secure accuracy, and save time and labor in adjustment and manipulation; and at the same time  
25 provide a device possessing simplicity and durability. These and other objects are accomplished by this invention.

It consists of certain novel features of construction, and in combination of parts more  
30 fully described hereinafter, and particularly pointed out in the claim.

Referring to the accompanying drawings, Figure 1 is a perspective view of an axle setter  
35 embodying our improvements, with an axle shown in place thereon. Fig. 2 is a similar view of the indicator, detached. Fig. 3 is a transverse sectional view, on line  $x-x$  of Fig. 1.

A designates a trestle having supports or  
40 legs B, and provided with a metallic covering-plate C, the sill  $a$  being cut away at one end to form the recess D.

E designates the rear standard, having at  
45 its upper end a fork F, and at its lower end a cross-head  $f$  which is adapted to rest upon the plate C, and is perforated at its ends to receive the vertical bolts  $g$  which are provided at their lower ends with hooks  $g'$  to engage

the clip-plate G. This clip-plate bears upon  
50 the under side of the plate C, and extends through the recess D, and when the bolts  $g$  are loosened by unscrewing the taps  $g''$  the standard may be adjusted forward or backward to suit the length of the axle. 55

H represents a front standard having a seat  
60  $h$  to receive the front end of the axle adjacent to its collar, and provided with a segment dial I and aligned bearings K K concentric with the arc formed by the dial. 60

L represents a pivotal indicator, having opposite trunnions  $m m$  to fit in the aligned  
65 bearings of the standard, and provided between said trunnions with a crank or loop N which bears against the under-surface of the axle spindle. The free end of the indicator  
70 travels over the graduated surface of the dial beneath a guard O, by which it is held in place. The axle P being disposed upon the  
75 setter, as shown in Fig. 1, with the shoulder of the spindle in the seat of the front standard, the taper of the spindle will be shown by  
80 the dial and indicator, as above explained.

It is evident that various changes might be  
85 made in the form, arrangement and construction of the parts herein described without departing from the spirit and scope of our invention. Hence, we do not wish to limit ourselves to the particular constructions herein  
90 set forth.

What we claim as new, and desire to secure by Letters Patent of the United States, is—

In an axle-setter, the combination with a  
85 rear standard, of a front standard having a seat, a segmental dial and aligned bearings, and an indicator having aligned trunnions and an intermediate crank or loop, substantially as specified.

In testimony that we claim the foregoing as  
90 our own we affix our signatures in presence of two witnesses.

WILLIAM A. WOICESKI.  
VALENTINE M. HYDE.  
CHRISTIAN C. MARTENS.

Witnesses:

R. P. McNULTA,  
GEO. E. BOURELL.