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PATENTED SEPT. 25, 1906.

M. M. HUYETT.
ADJUSTABLE PATTERN FOR WAGON HOUNDS.
APPLICATION FILED JAN. 27, 1906.

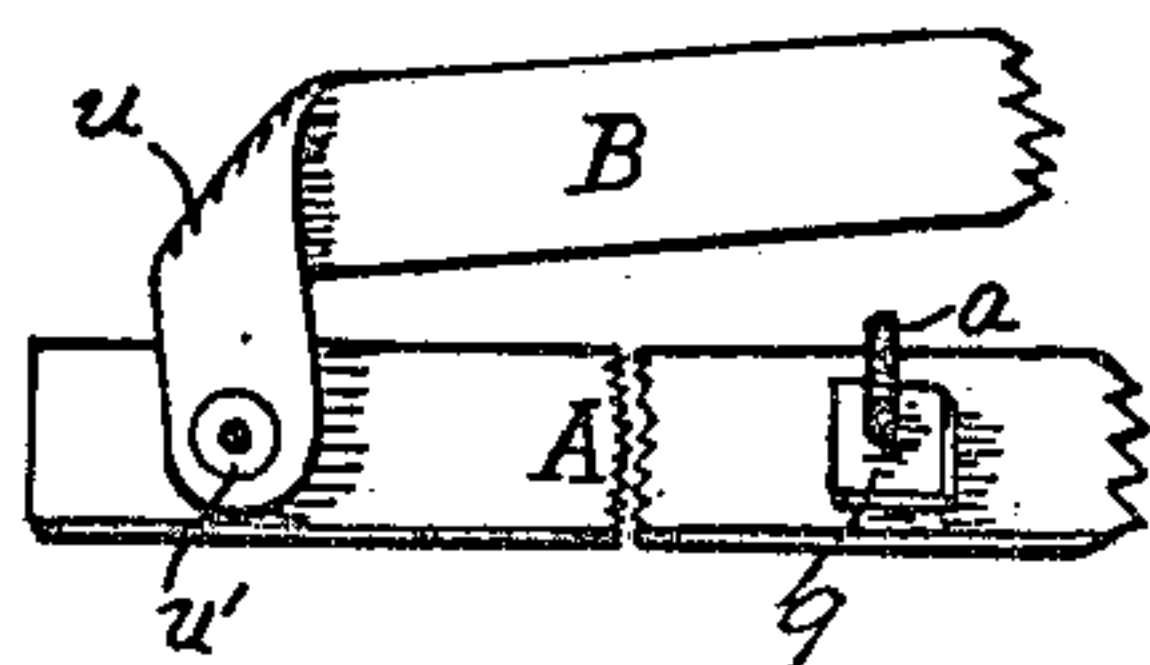
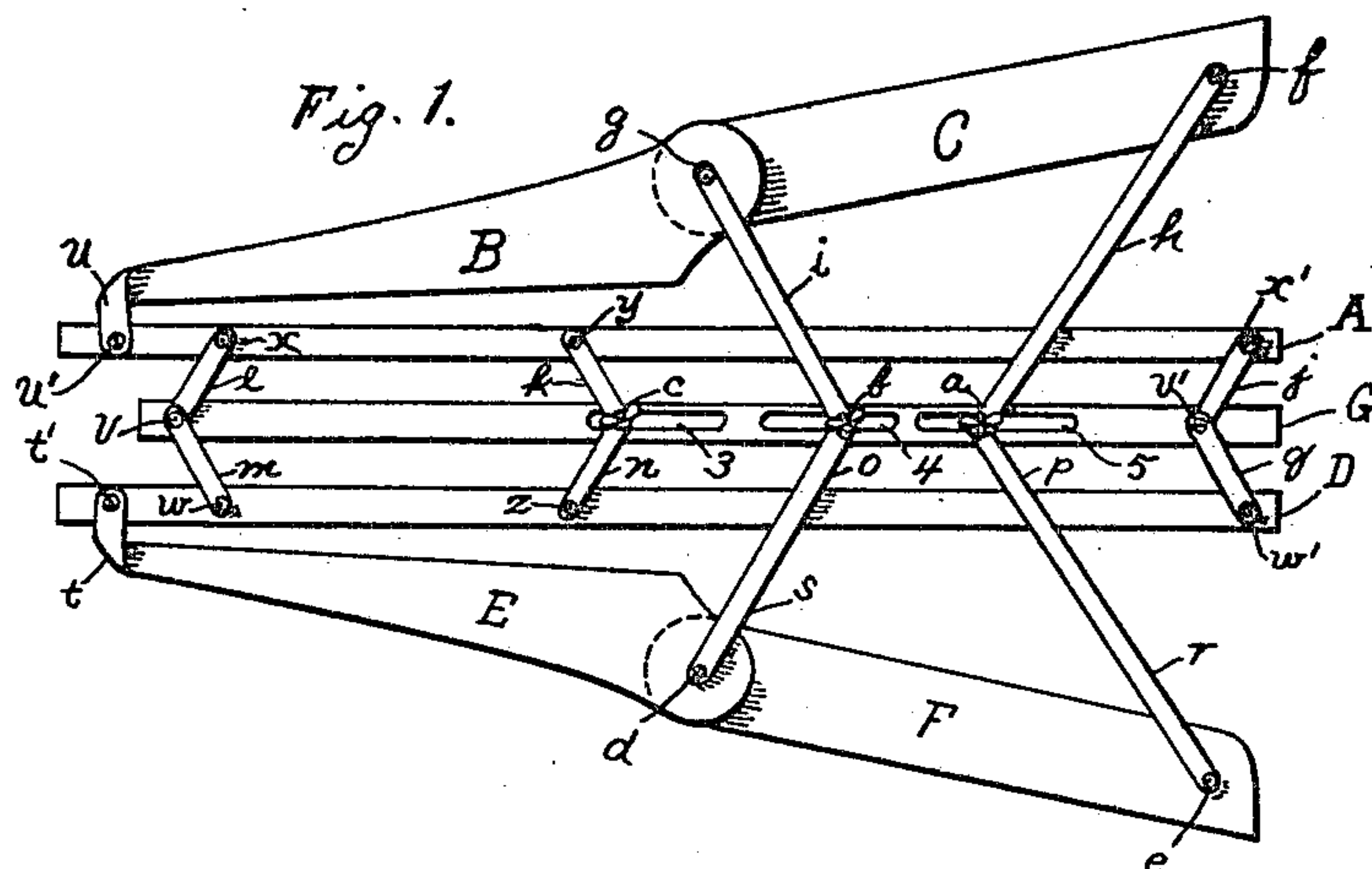


Fig. 3.

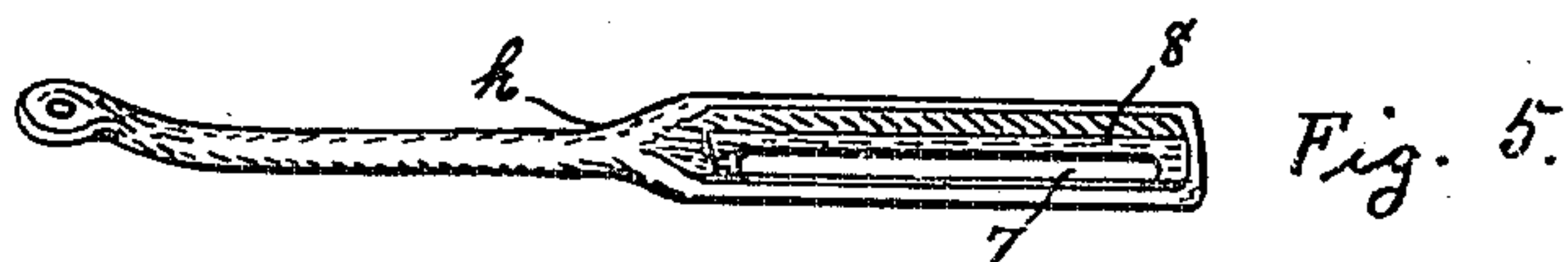
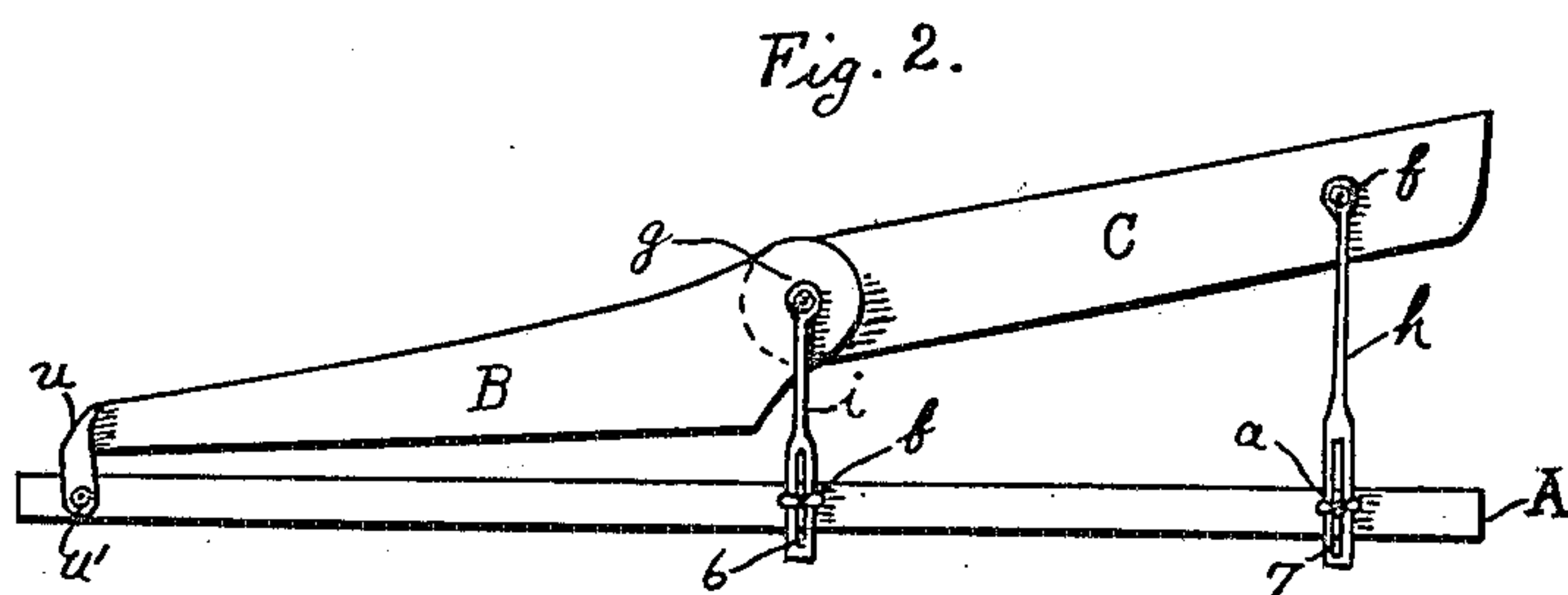


Fig. 5.

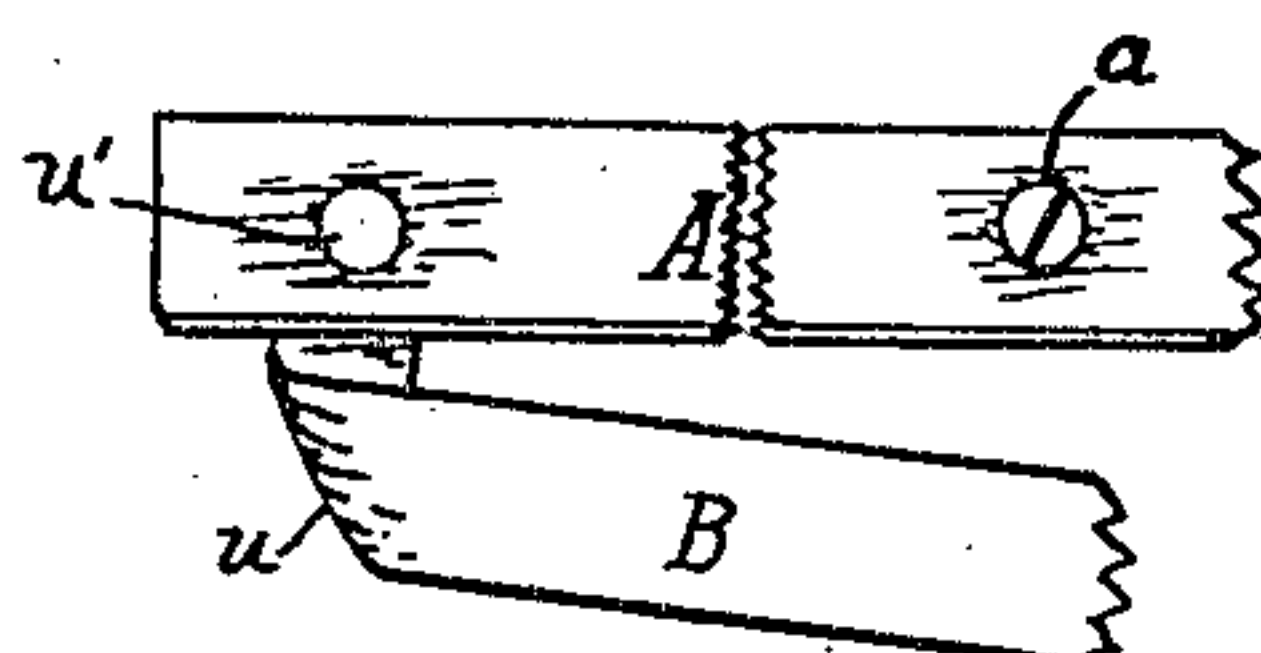


Fig. 4.

WITNESSES:

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MILTON M. HUYETT, OF ABILENE, KANSAS.

ADJUSTABLE PATTERN FOR WAGON-HOUNDS.

No. 831,870.

Specification of Letters Patent.

Patented Sept. 25, 1906.

Application filed January 27, 1906. Serial No. 298,109.

To all whom it may concern:

Be it known that I, MILTON M. HUYETT, a citizen of the United States, residing at Abilene, in the county of Dickinson and State of Kansas, have invented certain new and useful Improvements in Adjustable Patterns for Wagon-Hounds, of which the following is a specification.

My invention relates to adjustable patterns for the manufacture and repair of wagon-tongue hounds and hind hounds and is so constructed that it is susceptible of ready adjustment to conform to the various widths and inclinations of both tongue and hounds.

It is believed that my device will meet the requirements in the manufacture and repair of all styles, sizes, and widths of wagon-tongue hounds and hind hounds now in use and for any width tongue.

In the accompanying drawings my pattern is shown in plan, both in single and double form, as a tongue-hound pattern and in only one of the many positions and shapes to which it is susceptible of ready adjustment.

Figure 1 of the drawings is a plan of my invention in double form with which to take the measurements of both right and left hounds at one and the same time, while Fig. 2 is a plan of my invention in single form for taking the measurements of only one hound at a time. Fig. 3 is an enlarged view of one end of the single pattern, showing in detail the pivotal connection of the straight-edge bar with the hound-pattern, also the manner of tightening and making rigid the bolts *a* and *b* in Fig. 2. Fig. 4 is a view showing the reverse side of Fig. 3, and Fig. 5 is a perspective view of the reverse side of the connecting-arms *h* and *i* in Fig. 2.

Similar letters and numerals of reference indicate corresponding parts throughout the several views.

A and *D* designate straight-edge bars with which to line up with the tongue when preparing to take the desired measurements.

B and *E* designate those sections of the hounds fitting closely to the tongue.

C and *F* indicate those sections of the tongue-hounds fitting closely to the front hounds. A middle bar *G*, provided with slots 3, 4, and 5, is pivotally connected by arms *l m* and *j q*, which being at a reverse angle from the adjusting-arms *n k* serve to hold said straight-edge bars rigidly in any position to which they may have been adjusted

and clamped by means of said arms *n k* and set-screw *c*, which passes up through slot 3 and the lapped ends of said arms *n k* and is firmly held by an ordinary thumb clamping-nut.

B and *E* are each pivotally connected by its respective rivet *u'* and *t'* with its corresponding straight-edge bar. Parts *B* and *C* are pivotally connected together by rivet *g*, and *E* and *F* are likewise connected together by rivet *d*. Adjusting-arms *i s* are pivotally connected at their outer ends with their respective parts *B* and *E*, preferably at *g* and *d*, and adjusting-arms *h r* are similarly connected with their respective parts *C* and *F* at *f* and *e*. The inner ends of adjusting-arms *i h* lap and are connected and firmly held together by the set-screw *b*, which passes up through slot 4 and the ends of said arms and is provided with the ordinary clamping-nut. Adjusting-arms *h r* are similarly connected by the set-screw *a*, passing up through slot 5 and the lapped ends of said arms and provided with a clamping-nut. The inner ends of arms *l m* lap and are pivotally secured to slotted bar *G* by the rivet *v*, while the outer end of each arm is pivotally connected with its respective straight-edge bar by means of rivets *x* and *w*. In like manner arms *j q* are secured by rivet *v'* to said middle bar and by rivets *x'* and *w'* to each arm's respective straight-edge bar.

In the single-form pattern only the parts *A*, *B*, and *C*, together with the adjusting-arms *h i*, are used. Of course it will be understood that the opposite complement might be used in like manner. The arms in the single form, however, are provided with slots 6 and 7 in lieu of slots in the bar. The under surface of each of said arms is provided with a longitudinal groove 8, so as to admit of the arm resting flat upon the bar over nut 9. (Shown in Fig. 3.) In this form also both set-screws *a* and *b* pass up through the bar and are rigidly secured thereto by means of nuts in the manner shown in Fig. 3, where the nut is designated by the numeral 9. All adjusting-arms in the double form are of the same construction excepting that the rear arms are necessarily somewhat longer than the front arms. Those in the single form are also alike except as to length. The heads of all bolts and rivets are countersunk flush with the under surface of the parts through which the bolts or rivets pass, and the rivets are provided with burs over which they are swaged.

The fore end of each of the forward parts B and E is preferably connected with its respective straight-edge bar at u' and t' by curving their ends at u and t , respectively, at right angles with the inner edges of said parts, as shown. Separate sections or links might be substituted for such connecting portion, but, in my opinion, would not be so effective or satisfactory. The same mechanism, but with the several parts made to correspond in width, shape, and length with the hind hounds, will serve equally well as a pattern for the manufacture and repair of hind hounds.

To operate my device in single form, the clamp-nuts are loosened, the straight-edge bar laid parallel with the tongue or reach, the parts representing the hound moved outward or inward, as necessary, till they correspond in position to that of the hound as it is to be constructed. The clamping-nuts are then screwed down, firmly holding the several parts in place. My device in the double form, however, because of the unevenness of the surface of the tongue or reach caused by bolt-heads and rods is more readily operated by first obtaining the respective measurements with a carpenter's rule and setting the pattern by these measurements, which latter may of course be done at any convenient place near or far from the wagon or hounds.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A wagon-hound pattern comprising a middle bar connected on either side by pivoted arms with a straight-edge bar, to each of which straight-edge bars is pivotally connected the front end of a pattern of the fore section of a tongue-hound, which, at its opposite end, is pivotally connected with a pat-

tern of the rear section of a tongue-hound, said section-patterns being connected with said middle bar by means of adjusting-arms, said straight-edge bars being provided with adjusting-arms connecting with said middle bar, substantially as shown and described.

2. A wagon-hound pattern comprising a straight-edge bar to which is pivotally connected the front end of a pattern of the fore section of a hound, the opposite end thereof being connected with a pattern of the rear section of a hound, each of said section-patterns being connected with said straight-edge bar by means of adjusting-arms, substantially as shown and described.

3. A wagon-hound pattern comprising a straight-edge bar pivotally connected with the front end of a pattern of the fore section of a wagon-hound, the opposite end of said section-pattern being pivotally connected with a pattern of the rear section of a wagon-hound, each of said section-patterns being pivotally connected with said straight-edge bar by means of an adjusting-arm provided with a longitudinal groove in the under surface thereof and a slot lengthwise of said groove through which slot passes a set-screw secured to said straight-edge bar, substantially as shown and described.

4. A wagon-hound pattern comprising patterns of the two sections of a wagon-hound adjustably connected with a straight-edge bar and pivotally connected with each other, substantially as shown and described.

In testimony whereof I have affixed my signature in presence of two witnesses.

MILTON M. HUYETT.

Witnesses:

EDNA M. MARTIN,
ELECTA F. STACKPOLE.