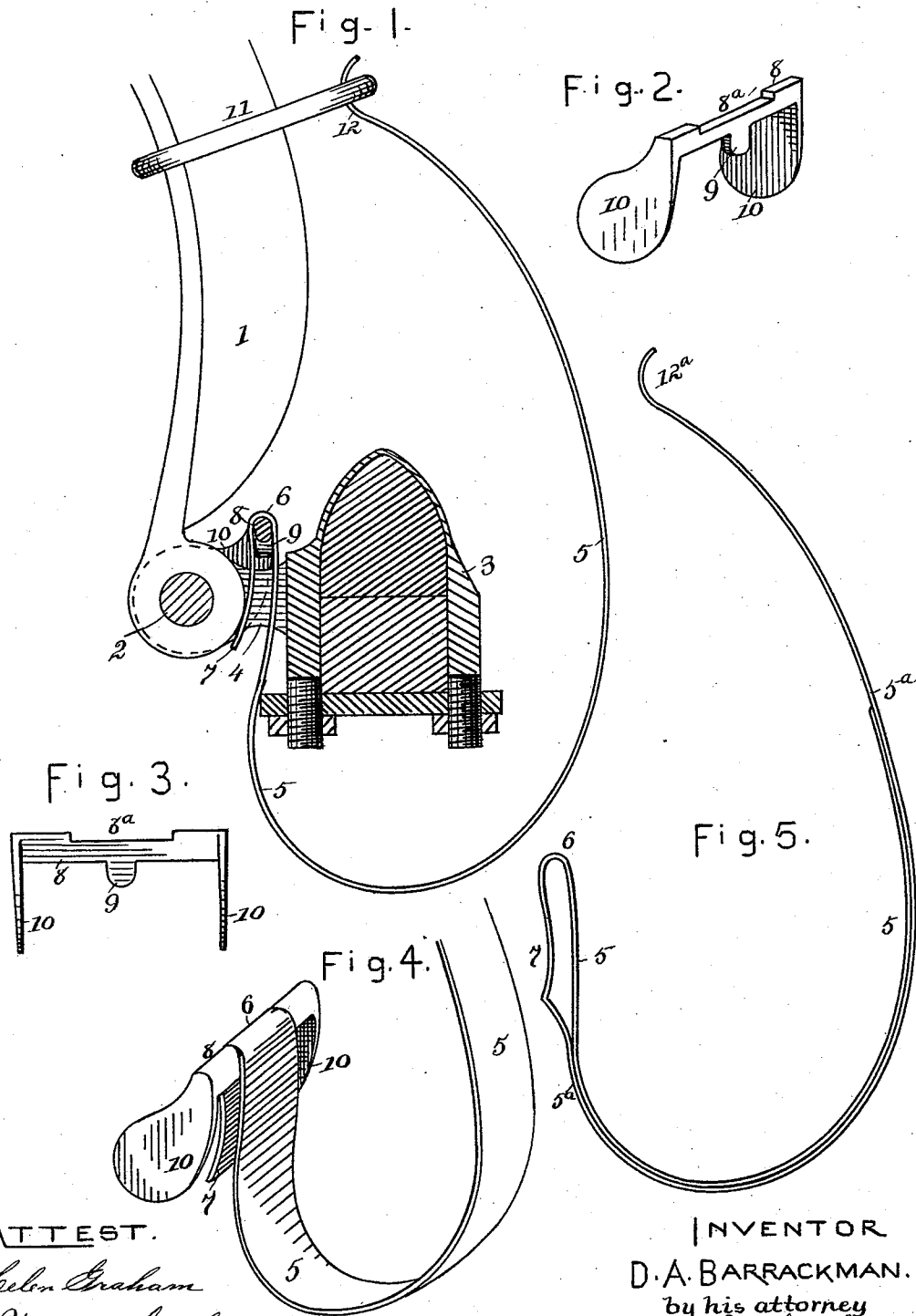


(No Model.)

D. A. BARRACKMAN.  
THILL SUPPORT.

No. 527,101.

Patented Oct. 9, 1894.



ATTEST.

*Helon Graham*

*William Graham,*

INVENTOR  
D. A. BARRACKMAN.  
by his attorney  
*L. P. Graham*

# UNITED STATES PATENT OFFICE.

DEMAS A. BARRACKMAN, OF DECATUR, ILLINOIS.

## THILL-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 527,101, dated October 9, 1894.

Application filed January 8, 1894. Serial No. 496,123. (No model.)

*To all whom it may concern:*

Be it known that I, DEMAS A. BARRACKMAN, of Decatur, in the county of Macon and State of Illinois, have invented certain new and useful Improvements in a Combined Thill-Support, Thill-Coupling, and Antirattler, of which the following is a specification.

This invention is designed to hold the coupling pin of a thill in place in the clip lugs, while acting as a support and anti-rattler, and it is embodied in the details of construction and combinations of parts hereinafter set forth and claimed.

In the drawings forming part of this specification Figure 1 is a section through a clip and through the pin holder, showing the construction and operation of the support and anti-rattler. Fig. 2 is a perspective representation of the pin holder. Fig. 3 is a front elevation of the pin holder. Fig. 4 is a perspective representation of the pin holder with the support and anti-rattler in operative connection therewith. Fig. 5 is a modified form of the support and anti-rattler, shown in side elevation.

An end of a thill is shown at 1, the coupling pin at 2, the clip at 3 and the lugs of the clip at 4. The support and anti-rattler is composed of a continuous spring curving downward and around the axle, as shown at 5, bent around the cross bar of the pin holder, as seen at 6, and terminated in a downward curve, as 7, which bears against the eye of the thill and acts as an anti-rattler. The upper end of the support portion 5 connects in some suitable way with the ring 11, and such ring embraces the thill as indicated. The pin holder comprises the ears 10, adapted to fit on opposite sides of the clip lugs, and the cross bar 8, extending across the lugs above the same, connects the ears and forms a point of connection for the spring. The cross bar is preferably depressed on its upper surface, as seen at 8<sup>a</sup>, and provided with a downwardly projecting teat as 9. The depression is the same width as the spring, which it tends to hold against lateral movement on the bar, and the teat tends to prevent the bar from turning in the bend of the spring, thereby keeping the ears in proper position against the sides of the lugs. The pin is headless and threadless. It extends through the lugs

and the eye without projection beyond the lugs, and it is held in position by the ears 10.

In operation the spring bears against some portion of the clip, as indicated in Fig. 1, and the weight of the thill acting on the spring with the bearing for a fulcrum forces part 7 yieldingly against the thill eye and prevents rattling.

The structure described is adapted for light thills only, and the modified form of spring shown in Fig. 5 is intended for use with heavy thills. In this construction the end of the anti-rattler portion 7 is continued to form the principal leaf of the spring, as seen at 5<sup>a</sup>, and the part 5 is curtailed to form a supplemental leaf, but in all essential features the construction is the same, as the spring is formed of a continuous piece, which bends around the cross bar of the pin holder and forms both the thill support and the anti-rattler.

In Figs. 1 and 5 the characters 12 and 12<sup>a</sup> respectively are used to designate bends in the spring which coact with the ring 11 to support the thill, but such feature is a non-essential which may be modified to suit different circumstances.

I claim—

1. The combination of the pin holder composed of the ears and the cross bar, and the spring bent around the cross bar, diverted to engage the thill eye, and extended around the axle to form a thill support, substantially as set forth.

2. The combination of the pin holder composed of the ears and the cross bar, and the spring bent around the cross bar and having one end adapted to bear against the thill eye while the other end extends around the axle to form a thill support, substantially as set forth.

3. The combination of the pin holder composed of ears 10 and cross bar 8, the cross bar having a depression as 8<sup>a</sup> and a teat as 9, and the spring 5 bent around the cross bar at 6 and terminating in the anti-rattler 7, substantially as set forth.

In testimony whereof I sign my name in the presence of two subscribing witnesses.

DEMAS A. BARRACKMAN.

Attest:

GEO. HARPSTRITE,  
E. S. McDONALD.