

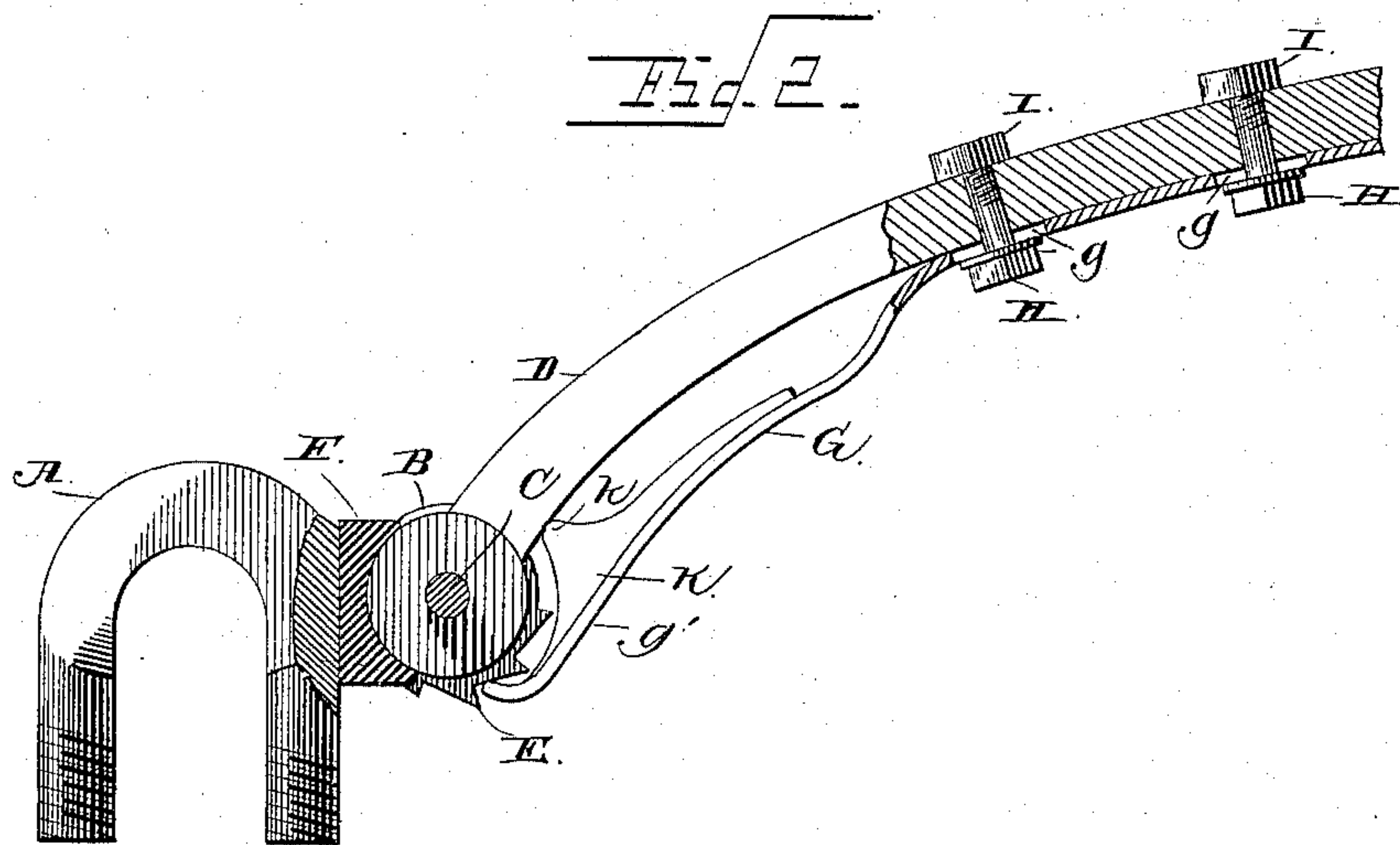
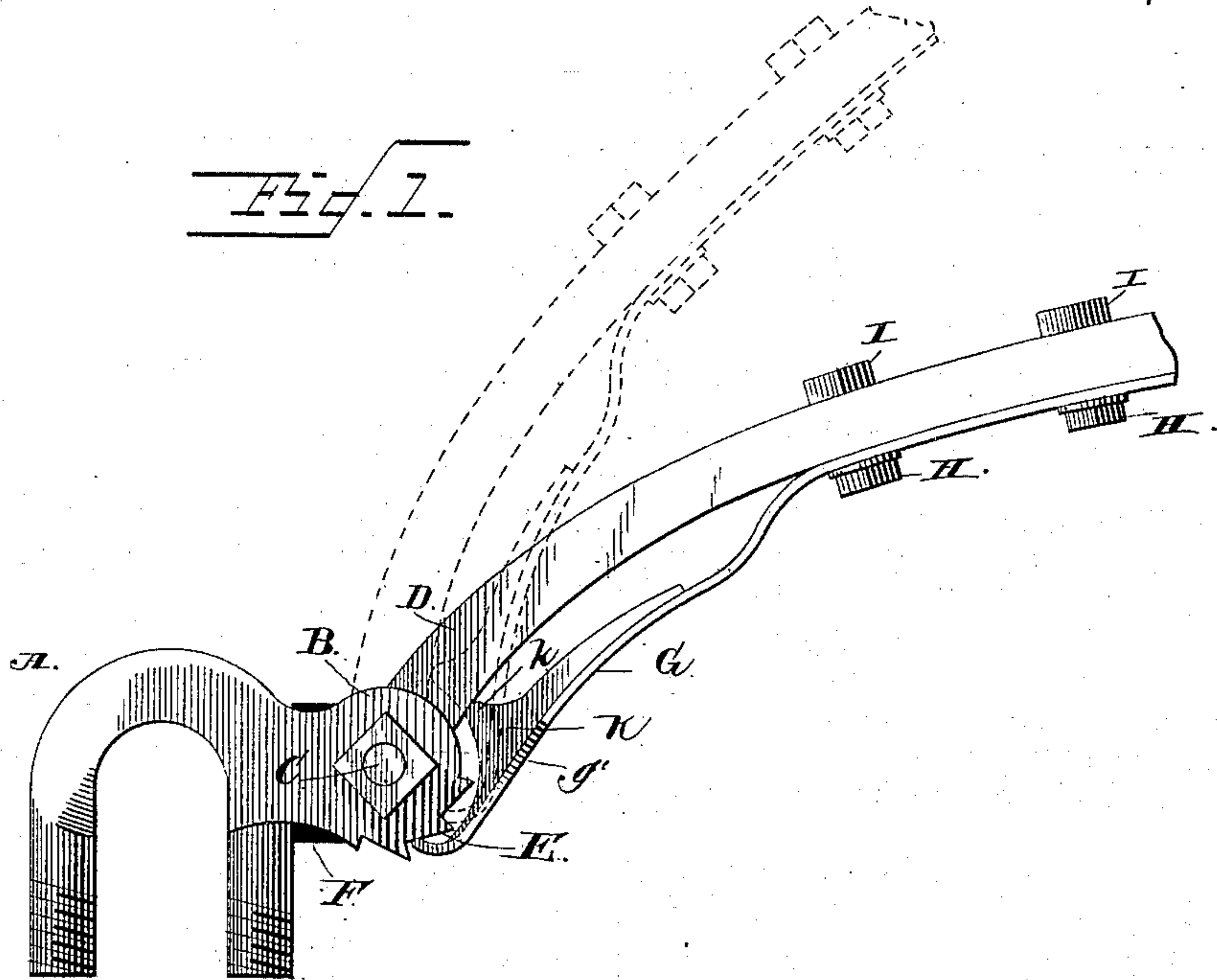
(No Model.)

C. E. GALBREATH.

THILL SUPPORT.

No. 330,888.

Patented Nov. 24, 1885.



**WITNESSES**

M. E. Fowler  
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*INVENTOR*

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# UNITED STATES PATENT OFFICE.

CHARLES EMERY GALBREATH, OF OSAGE MISSION, KANSAS.

## THILL-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 330,888, dated November 24, 1885.

Application filed September 24, 1885. Serial No. 178,091. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES E. GALBREATH, a citizen of the United States, residing at Osage Mission, in the county of Neosho and State of Kansas, have invented a new and useful Improvement in Supports for Thill-Couplings, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to an improvement in supports for thill-couplings, designed to hold the thills when in a raised position out of the way; and it consists in the peculiar construction and combination of devices that will be more fully set forth hereinafter, and particularly pointed out in the claims.

In the drawings, Figure 1 is a side elevation of my invention. Fig. 2 is a vertical longitudinal sectional view of the same.

A represents a clip, of the usual construction, having forwardly - projecting lugs B, through which passes a bolt, C, for coupling the thill-iron D to the clip. The ends of the lugs are rounded and provided with ratchet-teeth E. An anti-rattler rubber spring, F, bears between the clip and the eye of the thill-iron.

G represents a spring-pawl having slots *g* in its shank, and secured to the under side of the thill-iron by means of bolts H, that pass through the slots and have clamping-nuts I on their threaded ends. The lower end of the spring-pawl is bent or curved, as shown, and adapted to engage with the ratchet-teeth. On the inner side of the spring is secured a metallic tongue, K, having an offset or shoulder, *k*, at its lower end, that bears against the thill-iron when the spring-pawl is in engagement with the ratchet. This tongue serves to stiffen the spring-pawl and cause the latter to yield in the curved portion *g'* between the shank and the tongue, to cause the curved end of the

spring to slip over the ratchet-teeth when a downward pressure is exerted on the ends of the thills. When the ends of the thills are raised up out of the way, in the position shown in dotted lines in Fig. 1, the spring-pawl bears against the ratchet-teeth and supports the thills in said position, but yields to a downward pressure on the ends of the thills, as before stated, and permits them to be lowered to the required position when a horse is harnessed to the vehicle.

Having thus described my invention, I claim—

1. A thill-coupling having its draw-irons provided with ratchet-teeth, and a spring-pawl secured to the thill-iron and engaging with the ratchet-teeth to support the thill in a raised position, substantially as described.

2. The combination of the clip having the ratchet-teeth E, the thill-iron pivoted to the clip, and the spring-pawl having the flexible curved portion *g'* and the curved end, said pawl being secured to the under side of the thill-iron and adapted to engage with the ratchet-teeth, substantially as described.

3. The combination of the clip having the ratchet-teeth E, the thill-iron pivoted to the clip, the spring-pawl having the flexible curved portion *g'*, and the stiffening-tongue K, said pawl being secured to the under side of the thill-iron and adapted to engage with the ratchet-teeth, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

CHARLES EMERY GALBREATH.  
his  
mark.

Witnesses:

W. A. PENNY,  
T. M. BAXTER.