

No. 896,775.

PATENTED AUG. 25, 1908.

H. M. TRANKLE, F. B. WOODARD & S. PETERSON.

DRAFT COUPLING.

APPLICATION FILED MAR. 10, 1908.

FIG. 1 -

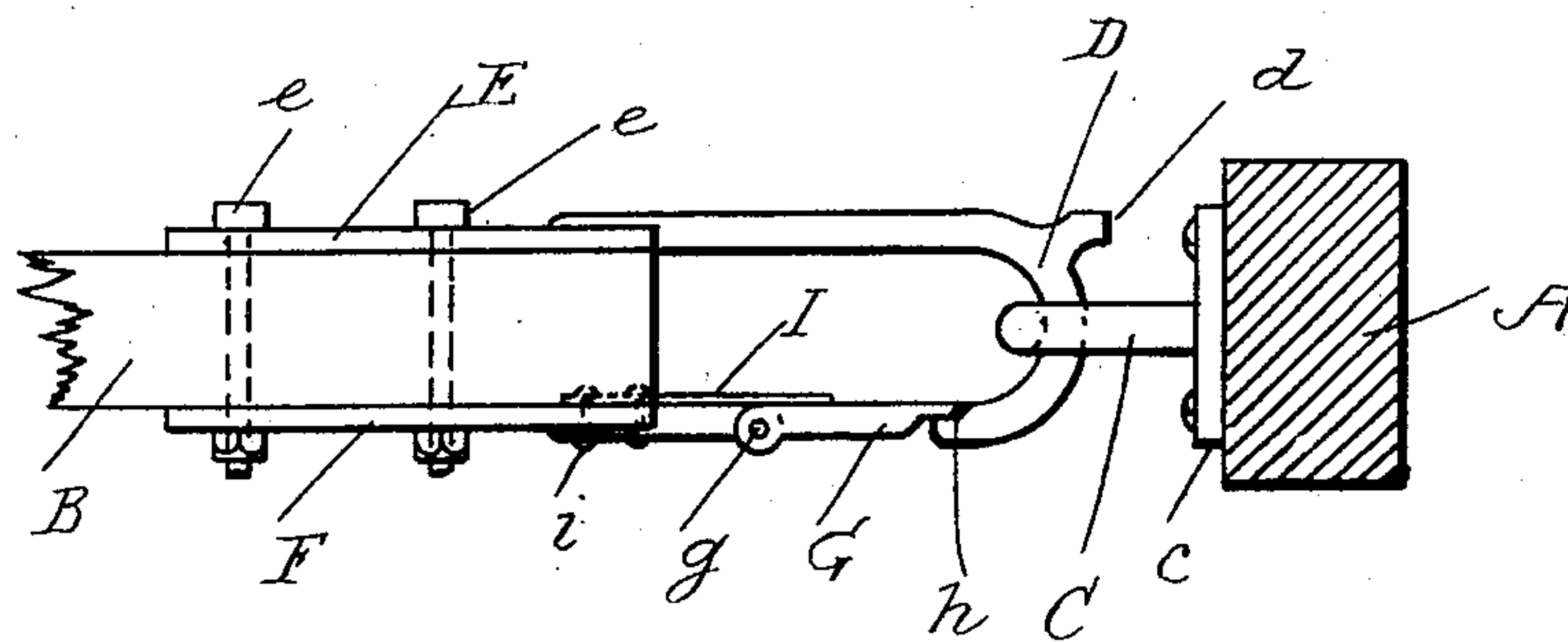
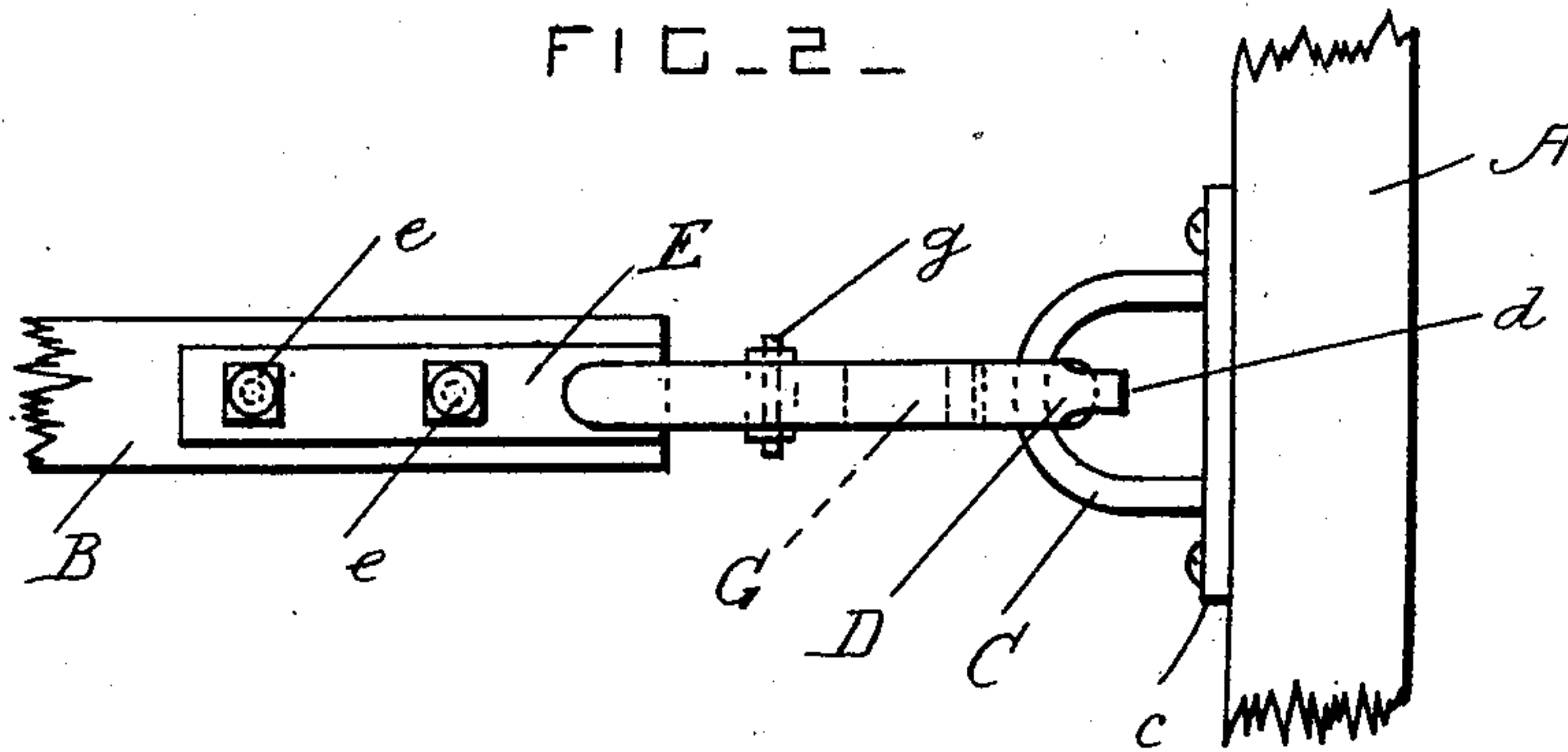


FIG. 2 -



WITNESSES:

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INVENTORS

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*Frederick B. Woodard,*  
*and Sewell Peterson.*  
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# UNITED STATES PATENT OFFICE.

HERBERT M. TRANKLE, FREDERICK B. WOODARD, AND SEWELL PETERSON, OF BLOOMER, WISCONSIN.

## DRAFT-COUPLING.

No. 896,775.

Specification of Letters Patent.

Patented Aug. 25, 1908

Application filed March 10, 1908. Serial No. 420,173.

*To all whom it may concern:*

Be it known that we, HERBERT M. TRANKLE, FREDERICK B. WOODARD, and SEWELL PETERSON, residing at Bloomer, in the county of Chippewa and State of Wisconsin, have invented certain new and useful Improvements in Draft-Couplings; and we 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 make and use the same.

This invention relates to couplings for connecting together the front bobs and the rear bobs of sleds or sleighs; and it consists in the novel construction and combination of the parts hereinafter fully described and claimed.

In the drawings, Figure 1 is a side view of the draft coupling. Fig. 2 is a plan view of the draft coupling.

A is a beam which forms a portion of the front bob of a sled or sleigh, and B is a reach which is connected to the rear bob in any approved manner. A staple C having a plate *c* is secured to the beam A, and projects rearwardly thereof.

D is a hook having a projection *d* on its front end for coming in contact with the plate *c*. The shank E of the hook is secured to the top of the front end portion of the reach B by bolts *e*, and F is a plate secured to the underside of the reach by the said bolts.

G is a latch which is pivoted by a pin *g* to the front end portion of the plate F, and

which is provided with a tapering end which engages with a notch *h* in the point of the hook D.

I is a flat spring which is secured by rivets *i* to the plate F, and which overlaps the rear portion of the latch G so that its point is normally held in engagement with the said notch.

The hook is slipped into engagement with the staple, as shown in the drawings, and permits the parts to have the requisite freedom of movement, and allows them to be disconnected with great facility.

What we claim is:

In a draft coupling, the combination, with a beam, and a plate secured to the rear side of the said beam and provided with a rearwardly projecting staple; of a reach, a hook for engaging with the said staple provided at its front end with a projection for striking the said plate and having its shank secured to the top of the said reach, a plate secured to the underside of the said reach, a latch pivoted to the front end of the last said plate, and a spring for holding the said latch in engagement with the point of the said hook.

In testimony whereof we affix our signatures, in presence of two witnesses.

HERBERT M. TRANKLE.  
FREDERICK B. WOODARD.  
SEWELL PETERSON.

Witnesses:

FRANK E. WALRATH,  
CONRAD TRANKLE.