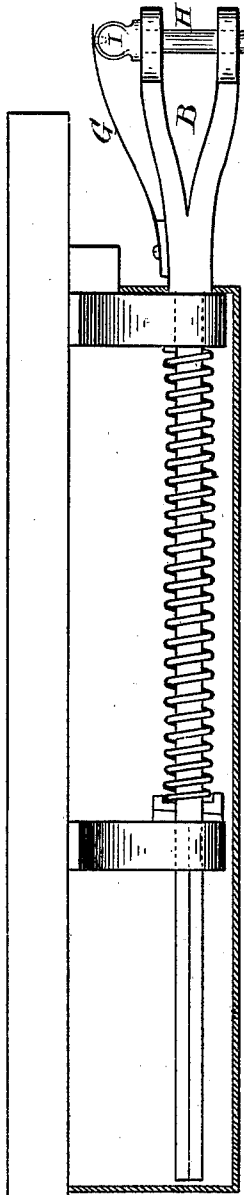


J. HORN, C. HORN, Jr., & F. BLOEDORN.

DEVICE FOR ATTACHING STREET-CAR POLES.

No. 175,834.

Patented April 11, 1876.



Witnesses

M. R. Tibbitts
A. J. Foster

Inventors,

John & Chas. Horn  *Frank Bloedorn*
Per *Geo. W. Tibbitts, Atty.*

UNITED STATES PATENT OFFICE.

JOHN HORN, CHARLES HORN, JR., AND FRANK BLOEDORN, OF CLEVELAND, OHIO; SAID BLOEDORN ASSIGNOR TO SAID JOHN AND CHARLES HORN, JR.

IMPROVEMENT IN DEVICES FOR ATTACHING STREET-CAR POLES.

Specification forming part of Letters Patent No. **175,834**, dated April 11, 1876; application filed November 6, 1875.

To all whom it may concern :

Be it known that we, JOHN HORN, CHARLES HORN, Jr., and FRANK BLOEDORN, all of Cleveland, in the county of Cuyahoga and State of Ohio, have invented a new Device for Attaching Street-Car Poles, of which the following is a specification:

The invention relates to an improvement in means for fastening the coupling-pin, whereby the said pin is not liable to be jarred or thrown out; and our invention consists in placing a spring on top of the front end of the draw-head in such a manner as to bear down on the head of the coupling-pin and prevent its being jarred out of place.

In the accompanying drawing, the figure is a side elevation of a draw-bar with our improvement attached.

G is a flat spring secured to the top side of the draw-head B, the forward end of which rests on the top of the coupling-pin H, it being provided with a small pin, I, which sets in a hole in the head of the pin; this is to prevent the spring from slipping off from the pin-head.

Having described our invention, we claim—
The combination of the spring G, having a pin, I, with the draw-head B, and the coupling-pin H, as and for the purpose specified.

JOHN HORN.
CHAS. HORN, JR.
FRANK BLOEDORN.

Witnesses :

ANDREW SQUIRE,
GEO. W. TIBBITTS.