

A. ZEIGLER.  
Car-Couplings.

No. 153,146.

Patented July 14, 1874.

Fig. 1.

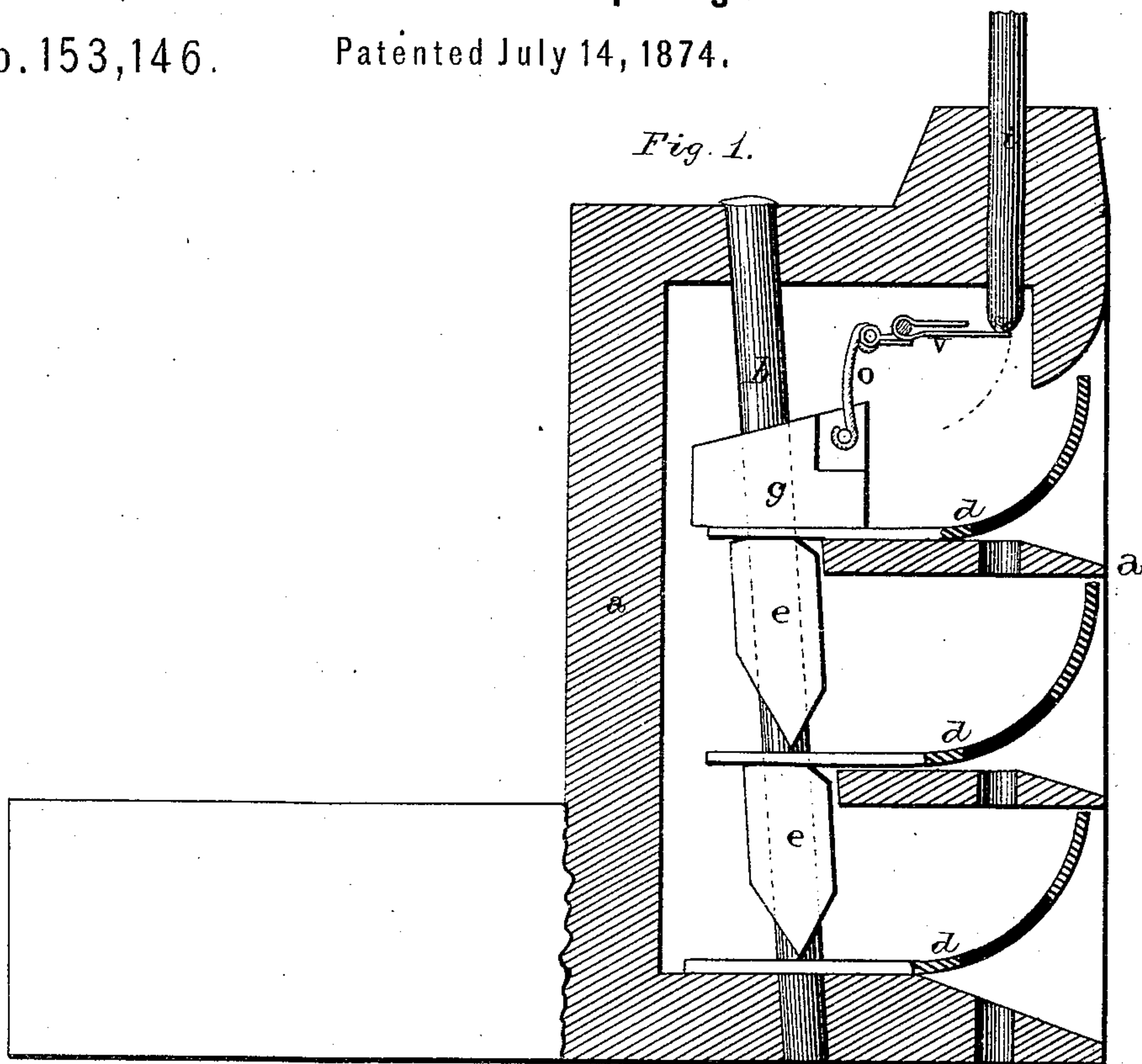
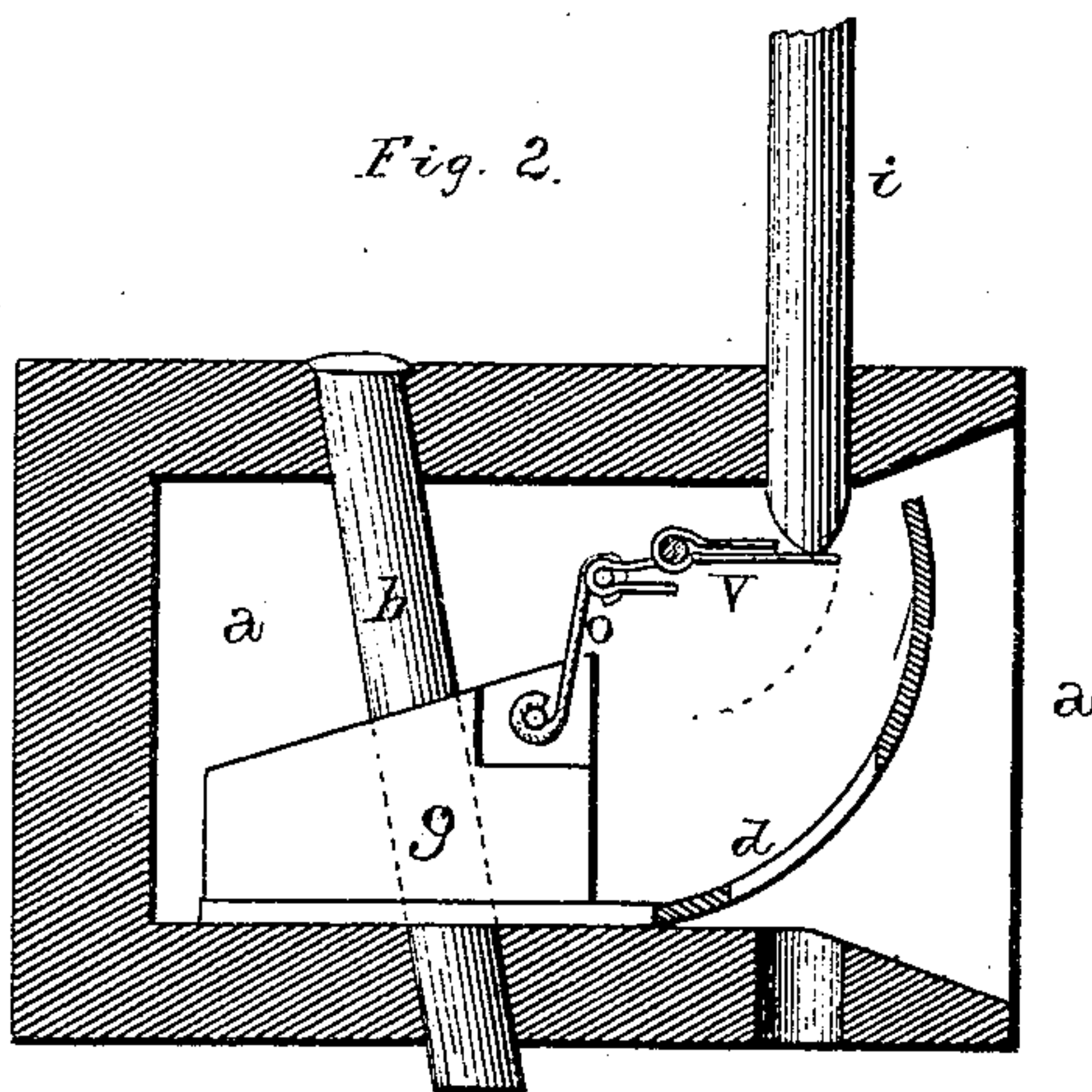


Fig. 2.



WITNESSES.

W. W. J. Murphy.  
J. W. Garner.

INVENTOR.

Alb. Zeigler  
per  
F. A. Lehmann, Atty

# UNITED STATES PATENT OFFICE.

ALBERT ZEIGLER, OF CUMBERLAND, MARYLAND.

## IMPROVEMENT IN CAR-COUPPLINGS.

Specification forming part of Letters Patent No. **153,146**, dated July 14, 1874; application filed May 25, 1874.

*To all whom it may concern:*

Be it known that I, ALBERT ZEIGLER, of Cumberland, in the county of Alleghany and State of Maryland, have invented certain new and useful Improvements in Car-Couplings; and I 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 pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

The nature of my invention consists in an improvement in car-couplings; and it consists in the arrangement and combination of parts, which will be more fully described hereafter, whereby a simple, cheap, and durable self-coupler is constructed.

The accompanying drawings represent my invention.

*a* represents the coupling-head, having either one or more compartments, as shown. Passing down through this head upon a slight incline is a bolt, *b*, which passes through the weight *g*, the rear ends of the curved plates *d*, and the washers or connections *e*. The curved plates *d* extend outward through the mouth of each compartment, and are joined together upon the bolt by means of the washers *e*, so that when one plate is raised upward by the

entrance of the link, the others will be raised with it. Upon the top of the upper plate is placed a weight, *g*, heavier than the weight of the coupling-pin *i*, and to it is pivoted an arm, *o*, which catches in the rear edge of a plate, *v*, pivoted upon a rod extending across the inside of the head.

While the plates *d* are resting upon the bottoms of their compartment, the weight *g* holds the pivoted plate *v* suspended horizontally outward, in which position it forms a support or rest for the coupling-pin. As soon as the link is inserted, raising the plates *d* and weight *g*, the support or rest for the pin instantly drops, allowing the pin to fall and couple the cars together.

Having thus described my invention, I claim—

The combination of bolt *b*, curved plates *d*, connecting-washers *e*, weight *g*, arm *o*, and pivoted support *v*, substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 21st day of May, 1874.

ALBERT ZEIGLER.

Witnesses:

FRANK CLAUDY,  
J. WILLIAM GARNER.