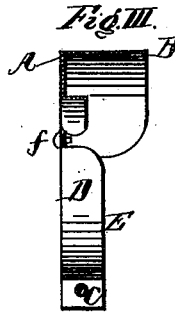
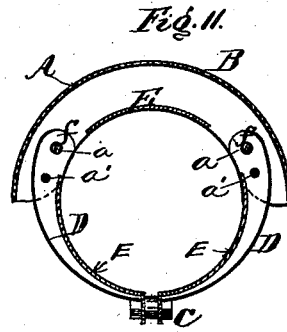
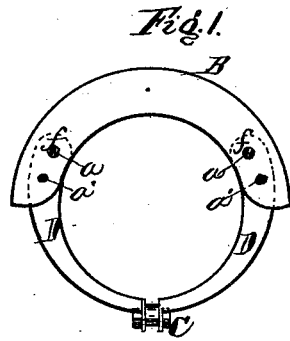


A. KEISER.  
Sand-Band for Vehicle-Axles.

No. 207,424.

Patented Aug. 27, 1878.



Witnesses:  
*F. Darnitt*  
*Henry Gerner*

Inventor:  
*Andrew Keiser*  
Per:  
*Henry Gerner*  
*Atty.*

# UNITED STATES PATENT OFFICE.

ANDREW KEISER, OF PROPHETSTOWN, ILLINOIS, ASSIGNOR OF ONE-HALF HIS RIGHT TO COLE BROTHERS, OF SAME PLACE.

## IMPROVEMENT IN SAND-BANDS FOR VEHICLE-AXLES.

Specification forming part of Letters Patent No. 207,424, dated August 27, 1878; application filed February 8, 1878.

*To all whom it may concern:*

Be it known that I, ANDREW KEISER, of Prophetstown, in the county of Whiteside and State of Illinois, have invented a new and useful Improvement in a Sand-Band for Vehicle-Axles, of which the following is a specification:

The nature of this invention consists in improvements in the construction and application of an adjustable shield to the axles of vehicles, so as to prevent sand or other dirt from gaining access to the arm of the axle within the hub of the wheel, for which a patent was allowed to me by the United States government on the 23d day of March, 1877.

The invention will be readily understood by reference to the accompanying drawings, of which—

Figure 1 is an outside elevation of the device. Fig. 2 is an inside elevation of the same, and Fig. 3 is a central section.

B is a metallic shield of sufficient length to form a semicircle, or nearly so, over the inside top of a hub of a carriage or wagon wheel. To the inner side of this shield I fasten or turn a flange, A, with a periphery of sufficient size

to fit over the top part of any carriage or wagon axle. In the flange A are cut holes *a a* and *a' a'*, in which the bolts *f f* are inserted, serving as pivots for the adjustable straps D D, which, both together, form a semicircle, and are held together at the bottom by the aid of the clamp-screw C. On the inside flange A, and also at the inner side of the adjustable straps D D, are fastened or turned projecting lugs E E, in order to prevent the shield from working too closely up to the hub.

My present invention facilitates the fitting of the sand-band to axles and hubs of different sizes, and consists in making the straps D D adjustable by pivoting the same to the flange A, as herein shown.

Having thus described my invention, I desire to claim—

The adjustable straps D D, in combination with the flange A and shield B, substantially as described, and for the purpose set forth.

ANDREW KEISER.

Witnesses:

CHAS. W. HULL,  
K. F. SIBERT.