J. H. VICKARS.
RAILROAD-GATES.

No. 194,316. Patented Aug. 21, 1877.

Fig 1

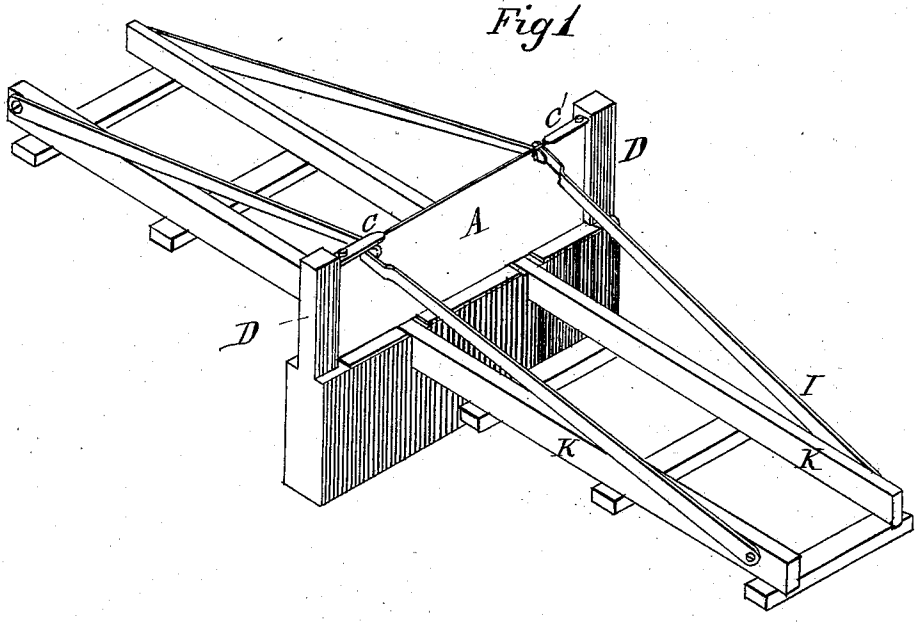
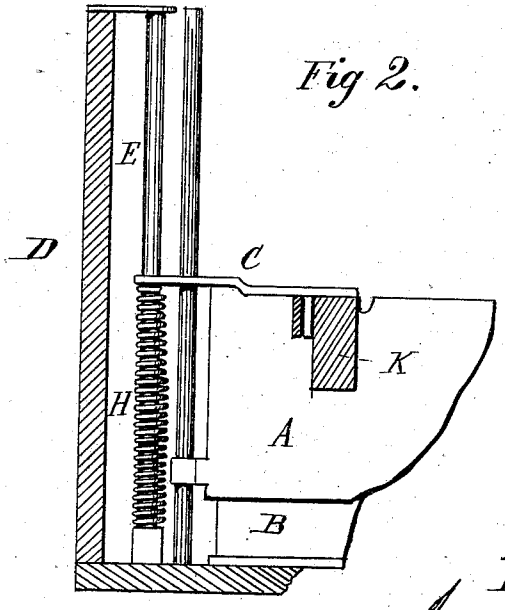


Fig 2.



Witnesses
B. C. Pole
W. C. Chaffee

Inventor
James Henry Vickars
by his
Attorney.
C. S. Whitman.

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JAMES H. VICKARS, OF DENVER, COLORADO.

IMPROVEMENT IN RAILROAD-GATES.

Specification forming part of Letters Patent No. **194,316**, dated August 21, 1877; application filed January 3, 1877.

To all whom it may concern:

Be it known that I, JAMES HENRY VICKARS, of Denver, in the county of Arapahoe and State of Colorado, have invented an Improved Railroad-Gate, of which the following description, taken in connection with the accompanying plate of drawings hereinafter referred to, forms a full and exact specification, wherein are set forth the nature and principles of the invention, by which the same may be distinguished from others of a similar class, together with such parts thereof as are claimed as new, and are desired to be secured by Letters Patent of the United States.

My invention relates to that class of railway-gates which may be made to operate by the passing train; and the nature thereof consists in certain improvements in the construction of the same hereinafter shown and described.

In the accompanying plate of drawings, in which corresponding parts are designated by the same letters—

Figure 1 is a perspective view, showing the gate in a raised position. Fig. 2 shows the gate lowered.

The gate consists of an upper section, A, and lower section B, arranged to telescope or slide within the upper section. The cross-pieces C C′ are arranged before and behind the gate in such a manner as to allow it to pass between them with facility, and are secured to the upright posts D, which are provided with chambers for the reception of the vertical rods E and spiral springs H. The bars I are pivoted to the rails K, and rest in slots cut in the upper edges of the said gate.

The operation of the gate is simple. The wheels of the passing train press downward the bars I, which in turn force the gate below the level of the track. After the train has passed the spiral springs H, arranged upon the rods E, lift the gate upward to its original position.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

A gate for railways, operated by the passing train, consisting of the upper section A, lower section B, vertical rods E, springs H, bars I, and rails K, combined together, as described.

In testimony that I claim the foregoing I have hereunto set my hand this 27th day of October, 1876.

JAMES HENRY VICKARS.

Witnesses:

H. Y. ANDERSON,

W. C. ANDERSON.