

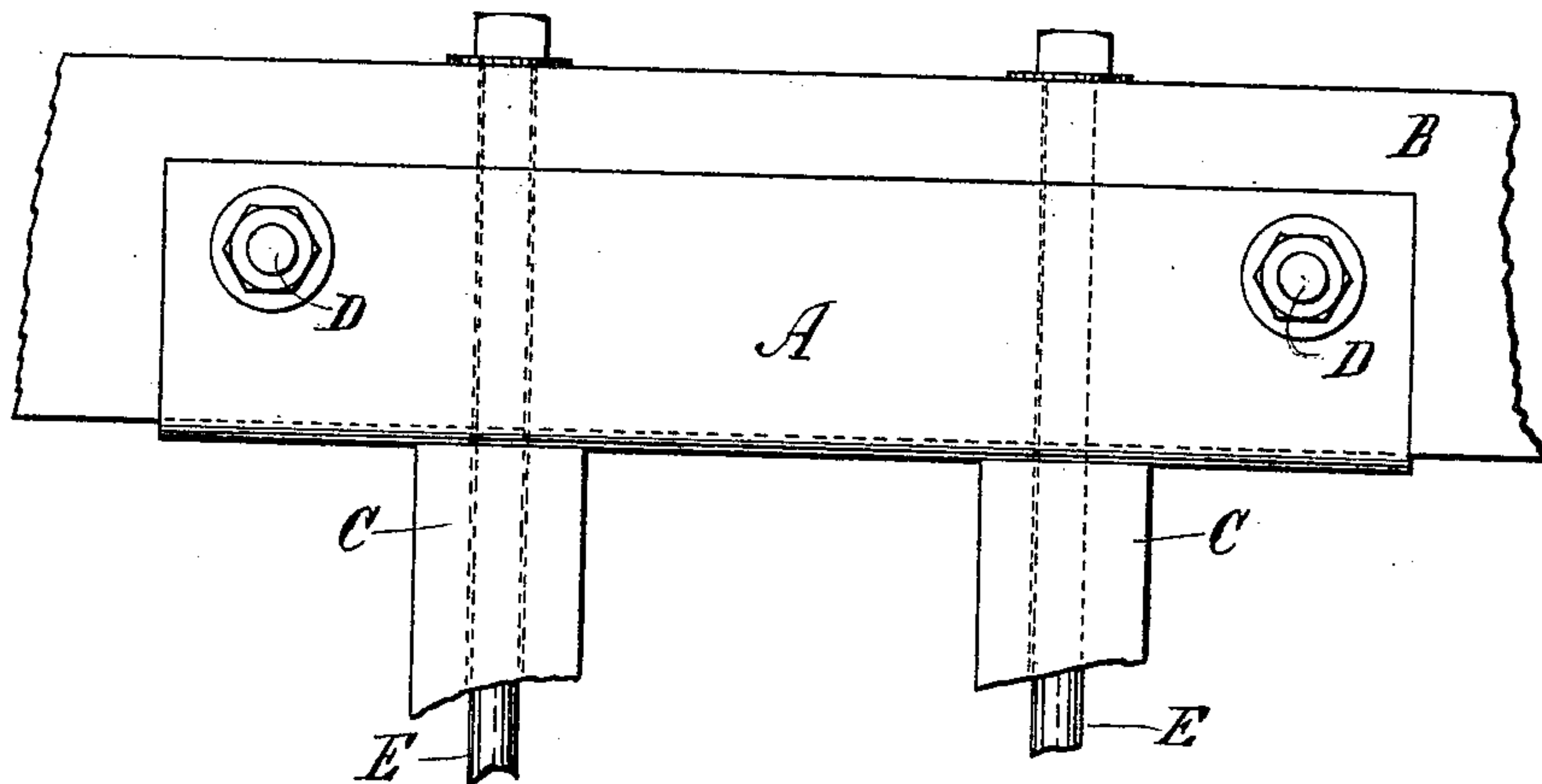
(No Model.)

F. P. DAVIDSON.  
BUFFER PLATE.

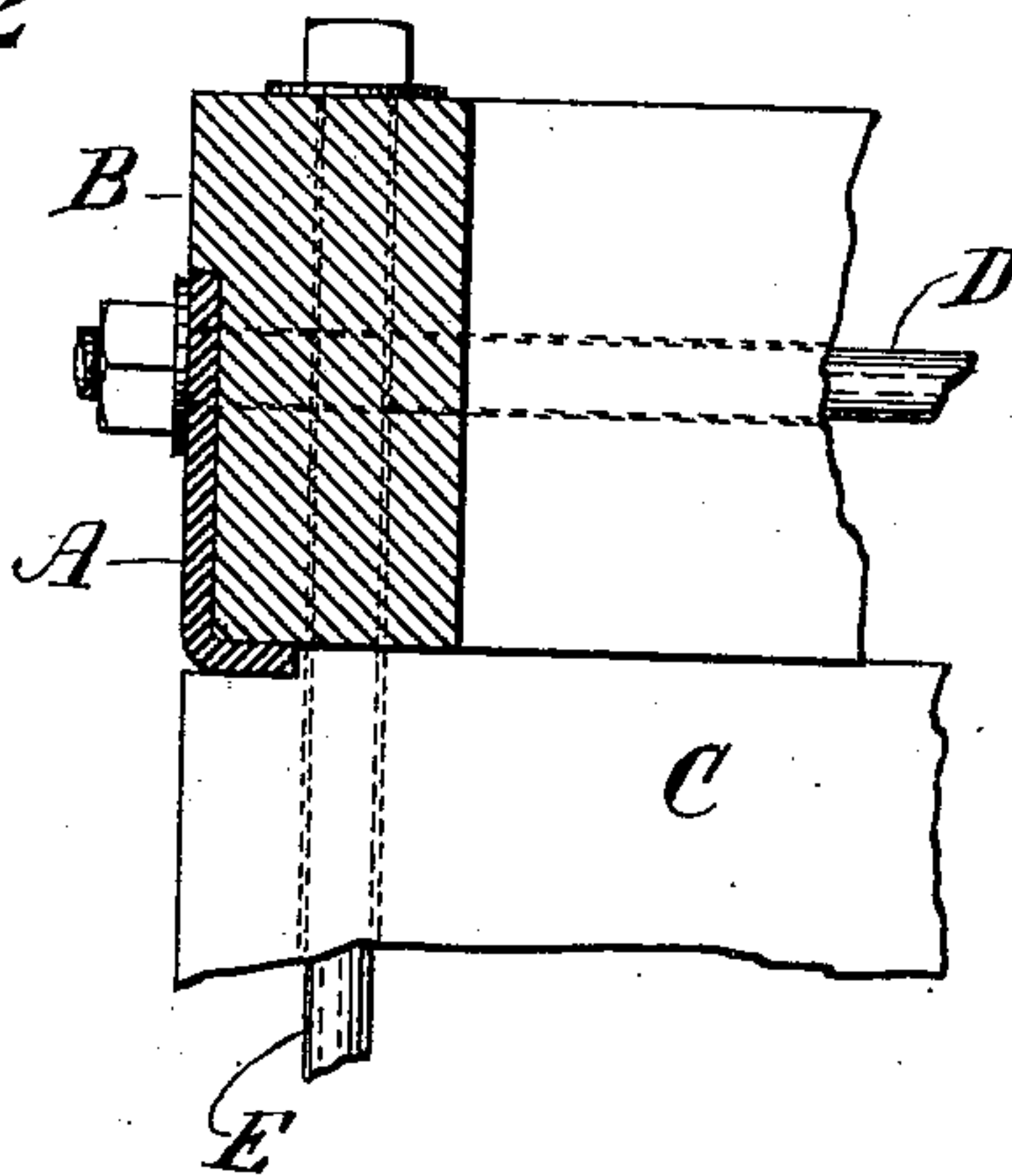
No. 500,227.

Patented June 27, 1893.

*Fig. 1*



*Fig. 2*



WITNESSES:

*William C. Powers.*

*William A. Pollock.*

INVENTOR

*Francis P. Davidson*

BY

*J. N. Dickerson*

ATTORNEY

# UNITED STATES PATENT OFFICE.

FRANCIS P. DAVIDSON, OF JOLIET, ILLINOIS, ASSIGNOR TO THE FOX SOLID  
PRESSED STEEL COMPANY, OF SAME PLACE.

## BUFFER-PLATE.

SPECIFICATION forming part of Letters Patent No. 500,227, dated June 27, 1893.

Application filed May 11, 1892. Serial No. 432,669. (No model.)

*To all whom it may concern:*

Be it known that I, FRANCIS P. DAVIDSON, of Joliet, Will county, State of Illinois, have invented a new and useful Improvement in Buffer-Plates, of which the following is a full, true, and exact description, reference being had to the accompanying drawings.

This invention relates to an improvement in buffer plates for protecting the faces of the end sills, or wooden buffer block, against the blows of the flange or buffer of the draw-head.

It consists in an angle-plate of pressed steel entering between the end sill and the longitudinal framing of the car.

My invention will be readily understood from the accompanying drawings, in which—

Figure 1 represents an end view; and Fig. 2, a view partly in section of my contrivance.

A represents a plate of pressed metal, preferably of steel, having an angle, as shown, at its lower end.

B represents the end-sill of a car; C, the longitudinal supporting beams; D, longitudinal truss rods passing through the end-sill B and the buffer protecting plate A; E, vertical bolts passing through the end-sill and longitudinal beam C.

By the arrangement of truss rods DD shown in combination with the buffer plate a large area of bearing surface is provided against the end sill, simultaneously also affording a buffer plate.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The broad pressed steel buffer plate A, in combination with the end sill B and simultaneously affording a bearing surface for the truss rods D passing through plate A and sill B, substantially as described.

2. The combination of the sill B, timbers C, broad buffer angle plate of pressed steel entering between the two, and truss rods DD simultaneously bearing upon said buffer plate A, and the vertical bolts E, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

F. P. DAVIDSON.

Witnesses:

W. E. ROBERTS,  
F. O. JACKSON.