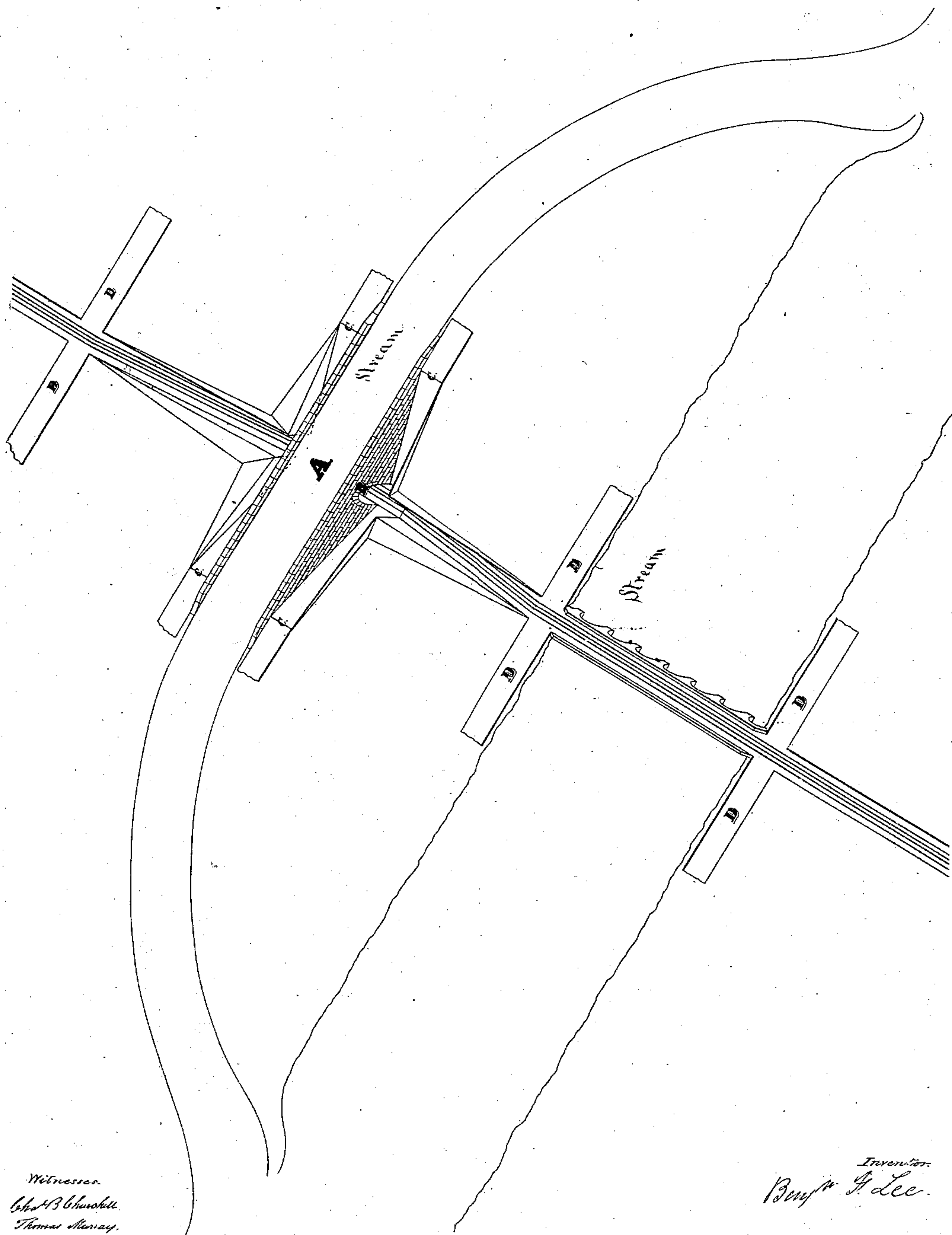


B. F. LEE.
Truss Bridge.

No. 8,781.

Patented March 2, 1852.



UNITED STATES PATENT OFFICE.

BENJAMIN F. LEE, OF NEW YORK, N. Y.

BRIDGING NAVIGABLE STREAMS.

Specification of Letters Patent No. 8,781, dated March 2, 1852.

To all whom it may concern:

Be it known that I, BENJAMIN F. LEE, of the city, county, and State of New York, have invented a new and improved mode of
5 accommodating the passage of vessels up and down rivers at the same moment that the rivers are crossed by railroad-cars or ordinary vehicles on bridges for the passage of rail or common roads, and that the follow-
10 ing is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification.

The nature of my invention consists in a
15 new combination of bridge, canal, tunnel and road by means of which neither the passage of carriages or cars across rivers nor the passage of vessels up and down them is impeded for an instant, draw bridges by
20 this invention being rendered unnecessary.

In the accompanying drawing A is the canal B the tunnel C C C C roads to shorten routes from places between canal and river to those beyond canal, D, D, D, D, D, D
25 common roads.

Any kind of a bridge may be built without a draw and I provide for the passage of vessels by a canal A cut around one end of the bridge on one side of the river which canal begins at the river above the bridge
30 and ends in the river below the bridge and for the passage of the cars, carriages, &c., I provide a tunnel B under this canal conveying the road from the bridge to the land beyond the canal which tunnel I make before the
35 canal.

The descent of the train from the bridge under the tunnel and the ascent after passing under the tunnel may be accomplished
40 on inclined planes in any manner deemed best as this makes no part of my invention.

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

The combination of canal A tunnel B bridge and road constructed and arranged
45 substantially as above described.

BENN. F. LEE.

Witnesses:

CHAS. B. CHURCHILL,
THOMAS MURRAY.