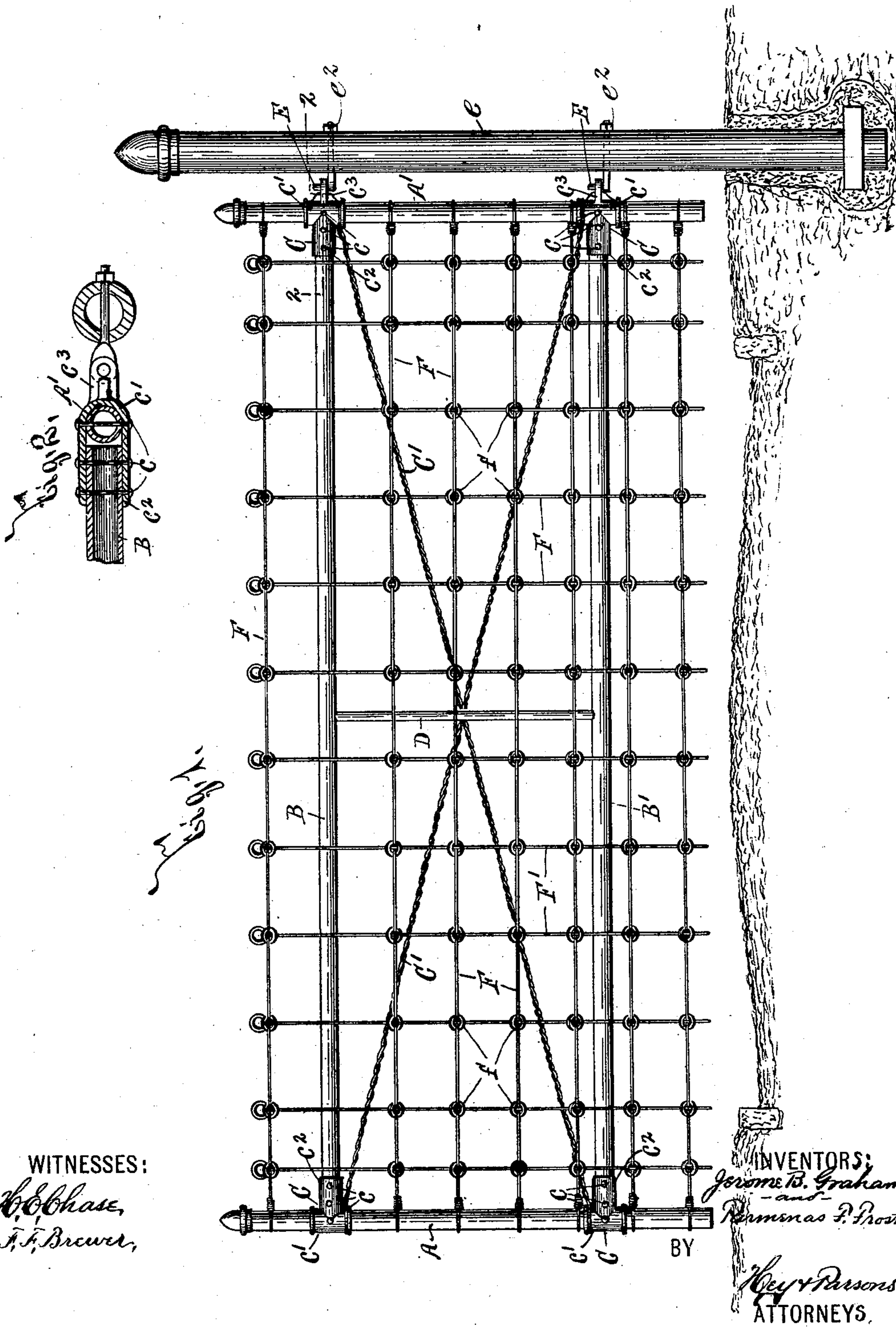


(No Model.)

J. B. GRAHAM & P. F. FROST.
GATE.

No. 600,986.

Patented Mar. 22, 1898.



THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JEROME B. GRAHAM AND PARMENAS F. FROST, OF SYRACUSE, NEW YORK.

GATE.

SPECIFICATION forming part of Letters Patent No. 600,986, dated March 22, 1898.

Application filed November 7, 1896. Serial No. 611,319. (No model.)

To all whom it may concern:

Be it known that we, JEROME B. GRAHAM and PARMENAS F. FROST, of Syracuse, in the county of Onondaga, in the State of New York, have invented new and useful Improvements in Gates, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

Our invention relates to improvements in gates particularly applicable for use in connection with wire fences, and has for its object the production of a gate which is simple in construction, pleasing in appearance, and strong and durable in use; and to this end it consists, essentially, in the general construction and arrangement of the component parts of the gate, all as hereinafter fully described, and pointed out in the claims.

In describing this invention reference is had to the accompanying drawings, forming a part of this specification, in which like letters indicate corresponding parts in both views.

Figure 1 is an elevation of our improved gate, shown as operatively connected to a supporting fence-post; and Fig. 2 is a transverse section taken on line 2 2, Fig. 1.

A A' are the end bars, B B' the upper and lower bars, and C the couplings of our improved gate. The bars A A' are preferably arranged in substantially vertical planes and the bars B B' in substantially horizontal planes, and the central portions of the bars B B' are connected by a substantially upright bar D. The couplings C are preferably formed with openings at right angles with each other for receiving the bars A A' B B', and suitable fastening means, as pins c, secure the couplings to said bars.

As clearly seen at Fig. 1, the outer ends of the couplings C are preferably formed with sleeves c', which encircle the bars A A' and are interposed between the opposite extremities thereof, and the inner ends of said couplings are formed with sleeves c'', which extend from substantially the central portions of the inner sides of the sleeves c' and encircle the ends of the bars B B'. The outer sides of the sleeves c of the couplings at the inner end of our improved gate are preferably provided with integral pivotal ears or projections c'', which are formed with apertures for receiving pintles E, provided upon the supporting-

post e for said gate. The pintles E are usually provided upon the outer ends of substantially horizontal bars or rods movable lengthwise in transverse guides in the post e and projecting beyond the outer and inner faces of the post e. The inner ends of said bars or rods are provided with nuts e', which engage the inner face of the post e, and are adjustable lengthwise of said bars or rods for varying the position of the pintles E.

Our improved gate is preferably provided with intersecting diagonally-arranged wires or connections C' and horizontal and upright wires F F', secured together by suitable fastening means f. The wires or connections C' are usually secured to the couplings C, the horizontal wires F are secured at their opposite extremities to the bars A A', between and above and below the upper and lower horizontal bars B B', and the upright wires F' are secured to the wires F independently of the bars B B'. C', the wires F F', and the fastening means f add greatly to the appearance and strength of our improved gate, but may obviously be omitted, if desired.

The construction and operation of our invention will now be readily understood upon reference to the foregoing description and the accompanying drawings.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. As a new article of manufacture, a gate consisting of upright end bars, upper and lower horizontal bars having their ends united to the end bars, an intermediate upright bar having its ends united to the central portions of the upper and lower bars, horizontal wires interposed between the end bars, and arranged above the upper horizontal bar and beneath the lower horizontal bar and upright wires secured to the former wires independently of the upper and lower horizontal bars, substantially as and for the purpose specified.

2. In a gate, the combination of upright end bars, upper and lower horizontal bars interposed between the end bars, couplings for said bars consisting of upright sleeves encircling the end bars and interposed between the extremities thereof, and additional sleeves extending laterally from substantially the central portions of the former sleeves and encir-

clinging the ends of the horizontal bars, horizontal wires interposed between the upper and lower extremities of the end bars above the upper horizontal bar and beneath the lower horizontal bar, and upright wires secured to the former wires independently of the upper and lower horizontal bars, substantially as and for the purpose specified.

3. The combination with a supporting-post having transverse guides, and bars or rods movable lengthwise in the transverse guides and having their outer ends provided with pintles and their inner ends provided with adjusting-nuts normally engaged with the post; of a gate comprising upright end bars, upper and lower horizontal bars interposed between the end bars, couplings for said bars consisting of upright sleeves encircling the end bars and interposed between the extremities there-

of and additional sleeves extending laterally from the inner sides of the former sleeves and encircling the ends of the horizontal bars, the couplings at one end of the gate being provided with pivotal ears or projections extending laterally from the outer sides of the upright sleeves thereof and journaled upon said pintles, substantially as and for the purpose described.

In testimony whereof we have hereunto signed our names, in the presence of two attesting witnesses, at Syracuse, in the county of Onondaga, in the State of New York, this 23d day of September, 1896.

JEROME B. GRAHAM.
PARMENAS F. FROST.

Witnesses:

FRANK E. YOUNG,
H. E. CHASE.