

(No Model.)

W. I. BUNKER.

ATTACHMENT FOR ROCKING CHAIRS.

No. 354,040.

Patented Dec. 7, 1886.

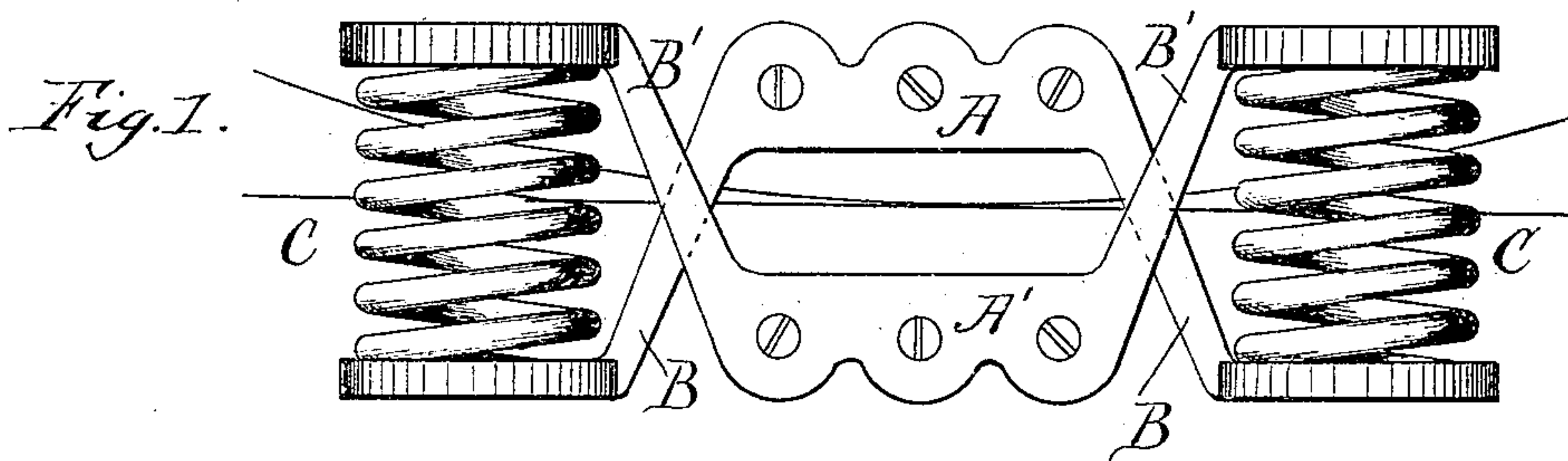


Fig. 2.

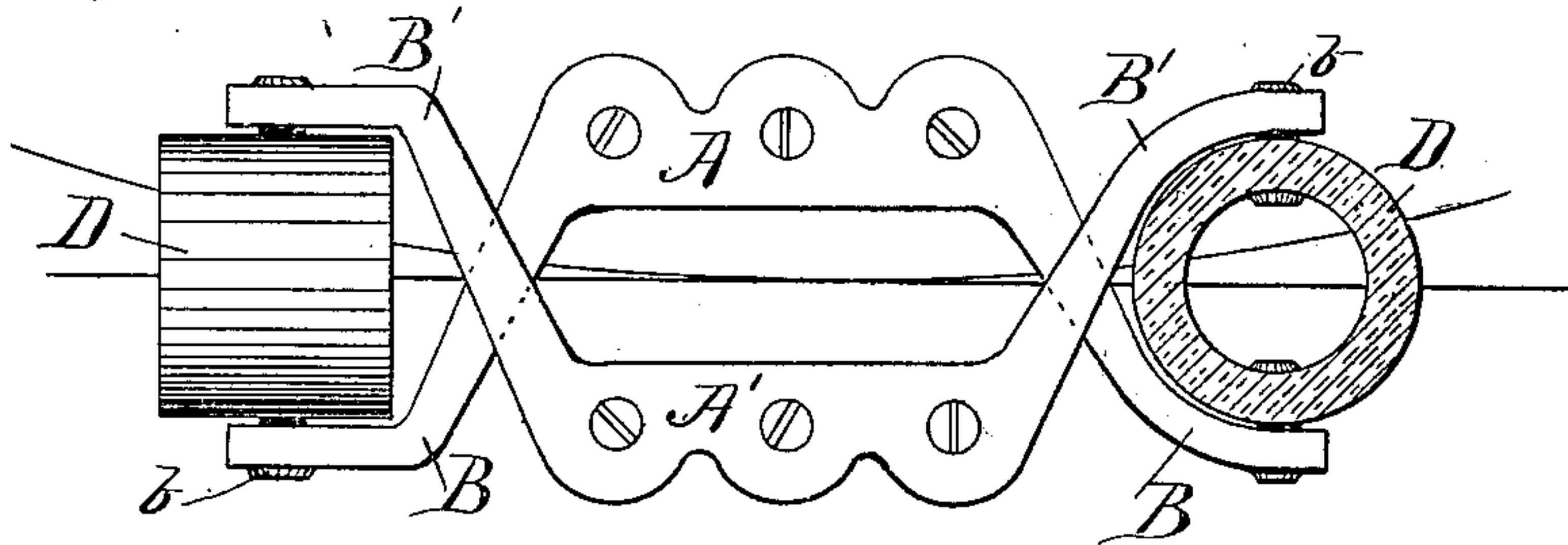
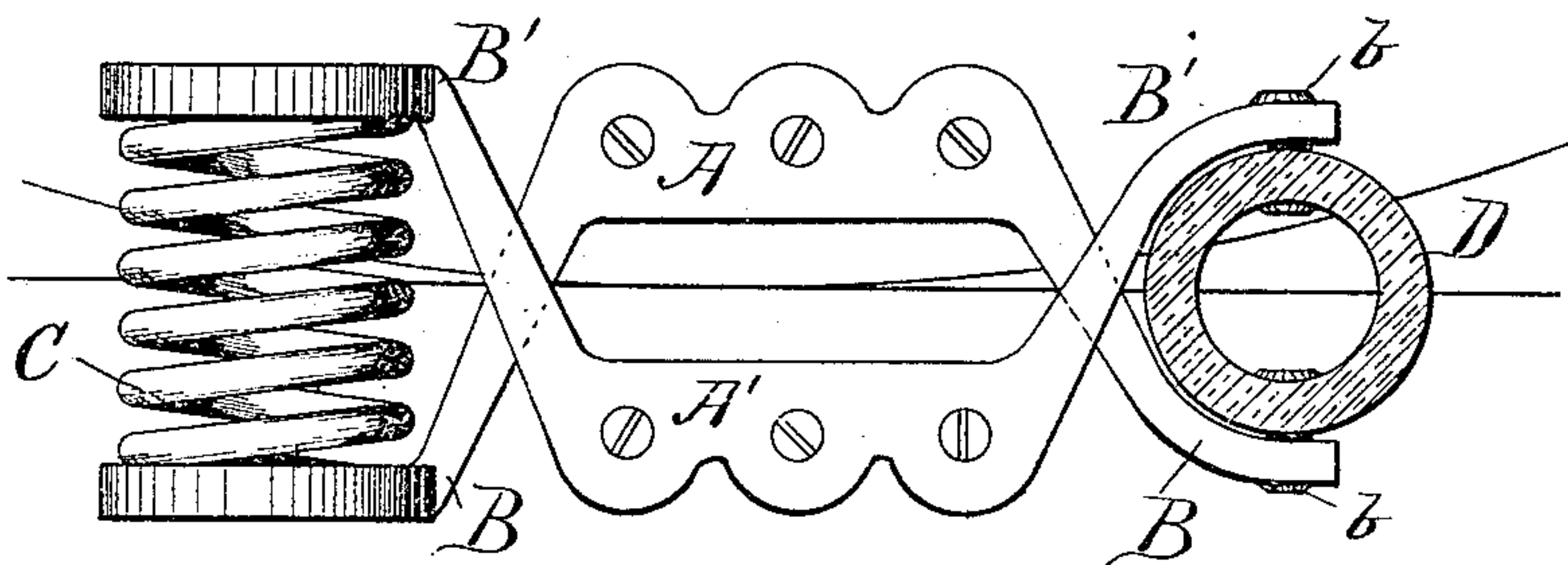


Fig. 3.



Witnesses:
Taylor E. Brown
Charles C. Luthicum

Inventor:
William I. Bunker,
By Banning & Banning,
his Attorneys:

UNITED STATES PATENT OFFICE.

WILLIAM I. BUNKER, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE ROCKER
SPRING COMPANY, OF SAME PLACE.

ATTACHMENT FOR ROCKING-CHAIRS.

SPECIFICATION forming part of Letters Patent No. 354,040, dated December 7, 1886.

Application filed August 18, 1884. Serial No. 140,986. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM I. BUNKER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Attachments for Rocking-Chairs, of which the following is a specification.

My invention relates to that class of rocking-chairs which have the movable portion of the frame connected to a stationary base by means of flexible or elastic connections; and the invention consists in a peculiar construction of rigid brackets and combination thereof with of suitable springs or flexible connections, as hereinafter described.

In the accompanying drawings, Figure 1 is a side elevation of my improved attachment when consisting of two small springs and attaching-brackets; Fig. 2, the same, illustrating a modification in which two sections of flexible material, preferably tubular in form, are employed; and Fig. 3, the same when one coiled spring and one section of flexible material are employed.

As shown in the drawings, the brackets are made in two parts, A A', the former being secured to the rocker and the latter to the base-rail of the chair by means of screw-flanges and screws. Each of these members A A' carries projecting arms or extensions B B', and these arms are adapted to receive flexible devices, such as the coiled-wire spring C or sections of elastic tube D. The arm B projects downwardly and to one side and the arm B' upwardly and to one side, the two crossing, but preferably not in contact. When a coiled-wire spring is intended to be placed between their ends, these arms may terminate in circular castings adapted to receive and retain the ends of such spring. When a device such as a section of a tube is used, the arms may be modified in construction and connected with the flexible section by a suitable device—as, for instance, the rivet b. It results from the form of the brackets and the arrangement of their arms that one of the flexible connections will be extended while the other is depressed by the act of rocking.

The form of attachment illustrated in Fig.

2 is especially adapted for use in light chairs. In order to prevent the displacement of the rockers, the tubular sections used in this construction are preferably placed at right angles to each other, the front section being set endwise or across the line of rocking. One of these sections of flexible tube may be employed along with a coiled-wire spring, as shown in Fig. 3. These different forms of flexible devices being, in fact, "springs," as I use this term, it will of course be understood that I intend to cover and secure them and their equivalents herein.

I am aware of my own patents of April 22, 1884, and September 29, 1885, and of the Hildreth patent of August 17, 1875; but none of these shows my present construction—that is to say, none of them shows brackets having upwardly and downwardly projecting arms or extensions, respectively, and springs secured therein in front and rear of the center of oscillation, &c.

I claim—

1. As a new article of manufacture, a platform rocking-chair attachment, comprising two springs to be secured in front and rear of the center of oscillation, respectively, and two attaching-brackets to be secured to the rocker and base-rail, respectively, the bracket for the base-rail being secured to the upper end of each spring and the bracket for the rocker to the lower end of each spring, substantially as described.

2. As a new article of manufacture, a platform rocking-chair attachment, comprising two attaching-brackets, A A', to be secured to the rocker and base-rail, respectively, the bracket A having a downwardly-projecting arm at each end and the bracket A' an upwardly-projecting arm at each end, and two springs rigidly secured in such arms in front and rear of the center of oscillation, respectively, and adapted to be alternately compressed and extended by the rocking of the chair, substantially as described.

WILLIAM I. BUNKER.

Witnesses:

EPHRAIM BANNING,
THOMAS A. BANNING.