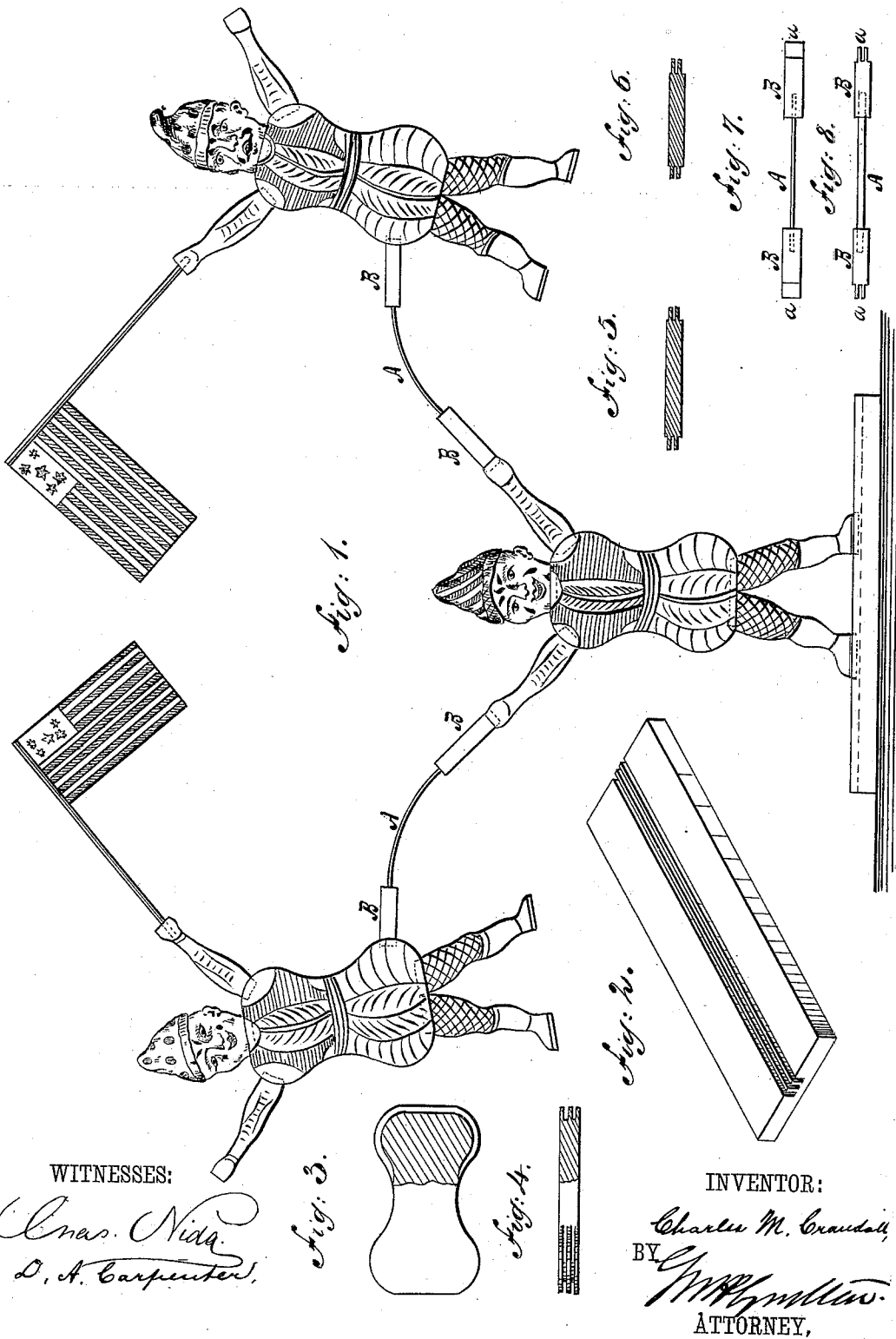


(No Model.)

C. M. CRANDALL.
TOY.

No. 383,442.

Patented May 29, 1888.



UNITED STATES PATENT OFFICE.

CHARLES M. CRANDALL, OF WAVERLY, NEW YORK, ASSIGNOR TO MOSES
LYMAN, OF SAME PLACE.

TOY.

SPECIFICATION forming part of Letters Patent No. 383,442, dated May 29, 1888.

Application filed February 6, 1888. Serial No. 263,000. (No model.)

To all whom it may concern:

Be it known that I, CHARLES M. CRANDALL, of Waverly, Tioga county, and State of New York, have invented a certain new and useful
5 Improvement in Toys, of which I declare the following to be a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

This invention is in the nature of an improvement in toys; and the invention consists
10 of a toy constructed and combined in the manner hereinafter shown, described, and claimed.

In the accompanying sheet of drawings, Figure 1 is a front view of my toy; Fig. 2, a perspective view of the base; Fig. 3, a side view
15 of the body of one of the figures, partly in section; Fig. 4, an edge view of same, partly in section. Figs. 5 and 6 are respectively sections of the legs and arms; Figs. 7 and 8, edge
20 and side views, respectively, of the springs hereinafter described.

Similar letters of reference indicate like parts in the several views.

My invention relates particularly to an improvement in the toy representations of men
25 and animals formed by tongued and grooved sections heretofore patented by me. The figures of such sectional toys, by reason of their construction, could be made to assume a variety of attitudes; but, as they lacked motion,
30 the attitudes, however ingenious, were lifeless and not particularly interesting. To give motion and a semblance of life to these sectional figures, I combine with them one or more flat
35 or coiled springs, A. To these springs are

fixed sections B, which are tongued and grooved, as at *a*, so that they may fit into corresponding tongues and grooves formed in any of the other sections of the figures. Now, when any particular section, or, as in the drawings, an entire figure, is supported by one of the springs A, the elasticity of the spring will cause the part or figure so attached to vibrate, and this vibration will impart a pleasing life-like appearance to the entire toy. 40 45

Of course, as is obvious, the various positions and points of attachment of the springs to the other sections are almost without number.

I am aware that a patent, No. 278,461, for a toy bird was issued to Parkman R. Screven on the 29th day of May, 1883, which patent shows a figure supported by a spring; but I am not aware that the construction which I claim was ever known prior to the date of its
55 invention by me.

Having now described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In combination, tongued and grooved sectional toys, and springs with tongued and grooved sections fixed thereto, whereby two or more sections or figures may be united by said springs and be caused to vibrate, as and for the purpose shown and described. 60

CHARLES M. CRANDALL.

In presence of—

H. H. KINNEY,
T. E. ENOS.