

(No Model.)

E. T. SLAYTON.

SPRING BED.

No. 246,828.

Patented Sept. 6, 1881.

Fig. 1.

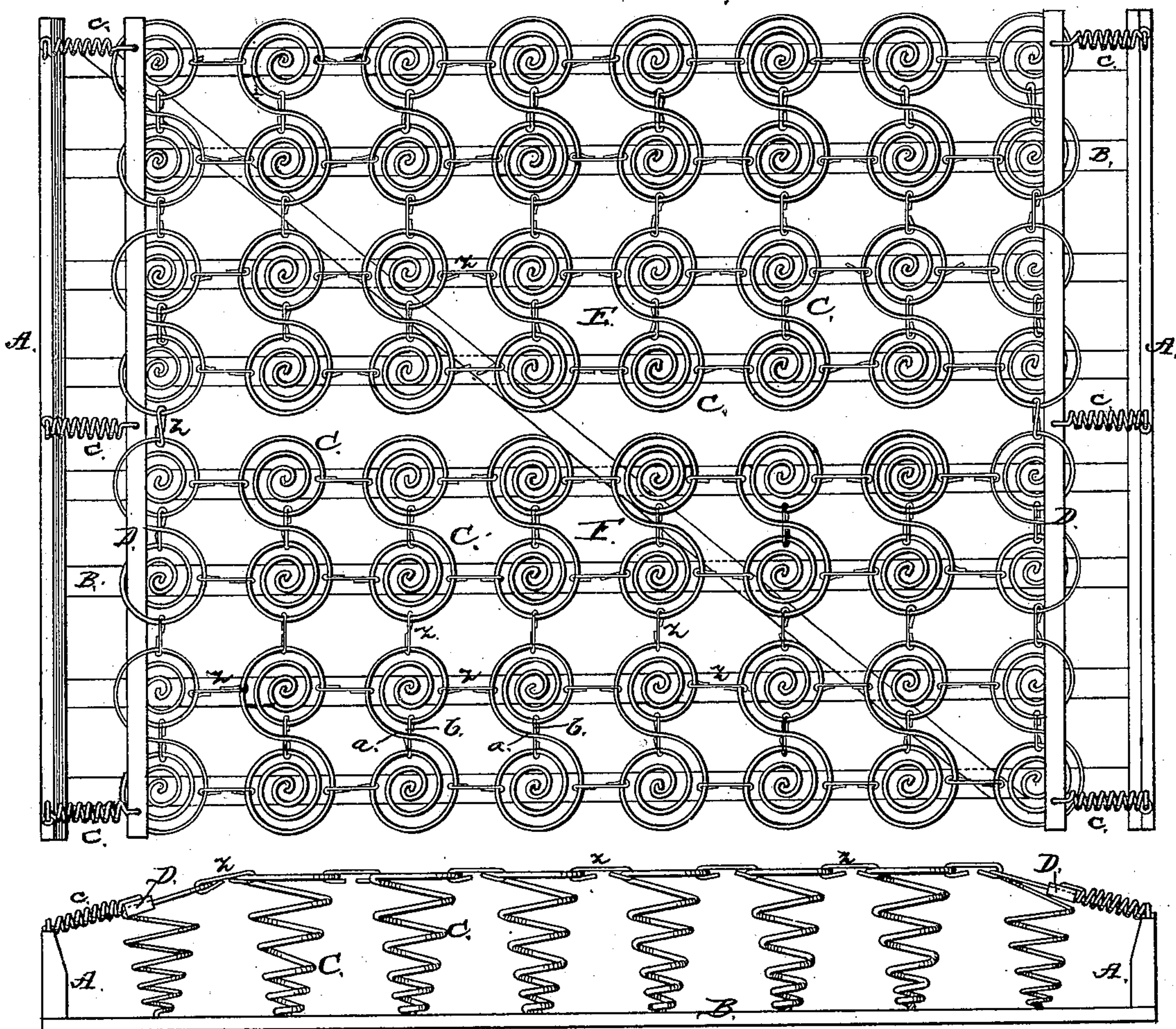


Fig. 2.

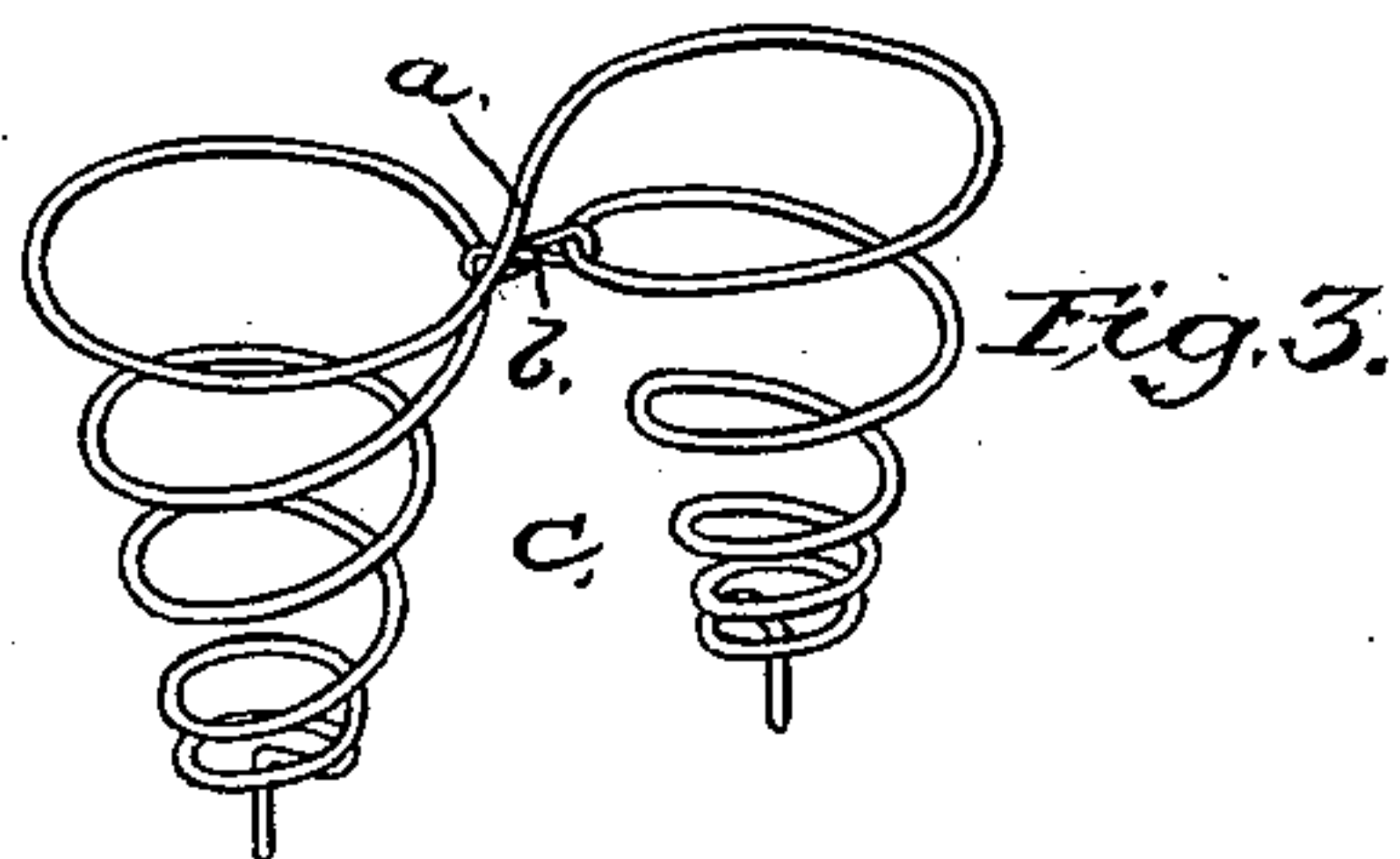
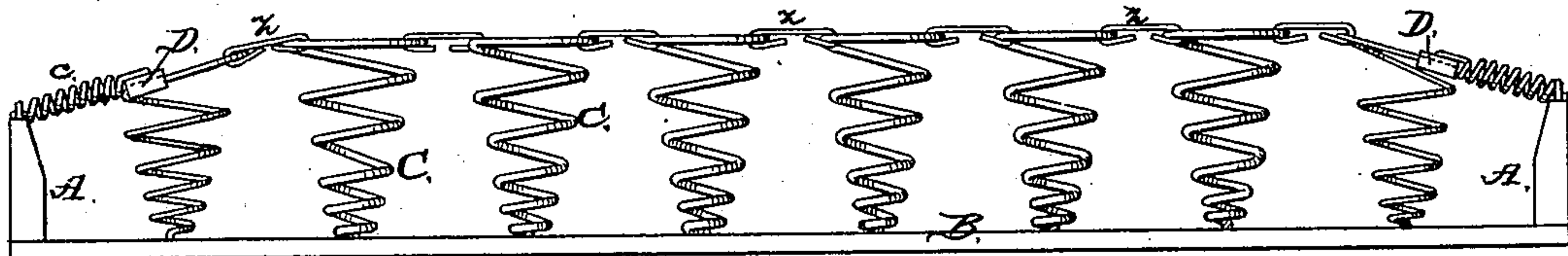


Fig. 3.

WITNESSES

Villette Anderson
Philip Massi.

INVENTOR

E. T. Slayton,
by Anderson & Smith
his ATTORNEYS

UNITED STATES PATENT OFFICE.

EDWARD T. SLAYTON, OF ST. PAUL, MINNESOTA.

SPRING-BED.

SPECIFICATION forming part of Letters Patent No. 246,828, dated September 6, 1881.

Application filed July 7, 1881. (No model.)

To all whom it may concern:

Be it known that I, EDWARD T. SLAYTON, a citizen of the United States, resident of St. Paul, in the county of Ramsey and State of Minnesota, have invented a new and valuable Improvement in Spring-Beds; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a plan view of my invention. Fig. 2 is a longitudinal section thereof, and Fig. 3 is a perspective detail.

This invention has relation to spring bed-bottoms; and it consists in the construction and novel arrangement of the connecting band or bar interwoven with the springs at the head and foot, the take-up springs in connection therewith, the transverse supporting-link in connection with a double or twin spring, the bed-bottom constructed in two lateral sections independent of each other or provided with yielding connections, and the arrangement, in connection with light and short springs at the head and foot, of heavier and higher springs in the intermediate portion, all as hereinafter shown and described.

In the annexed drawings, the letter A designates the head and foot bars or abutments of the frame, and B the slats longitudinally arranged, said slats being sometimes strengthened in position by means of an oblique brace.

C C indicate the springs, which are preferably made double or in twin form, the branches being connected at the top, as indicated at *a*, and below this connection by a supporting-link *b*. The springs along the head and foot are provided with connecting-bars D, of iron or other suitable material, which are interwoven through their upper portions, as shown in the drawings, and are provided with take-up

springs *c*, which are connected to the abutments A at the head and foot of the frame. When the bars D are acted upon by the take-up springs the whole bed of springs will be drawn in an even and uniform manner and kept in position. The springs of the bed-bottom in its central portion are made heavier and higher than those at the head and foot, the object being to give a stronger support in the center than at the head and foot, and thereby to avoid any central sagging of the bed.

In order to prevent the bed from tipping or sagging laterally under persons of unequal weight, the springs are arranged in two lateral sections, E and F, which are disconnected along their adjacent margins, or may be connected by take-up springs similar to those at the head and foot, which will yield readily without unduly affecting the supporting-springs C of either section. The springs C are laterally and longitudinally connected by links *z*, except along the dividing-space between the two sections.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

1. In a bed-bottom, the transverse bars D, interwoven with the springs C at the head and foot, in combination with said springs, the take-up springs *c*, and the abutments of the framing at the head and foot, substantially as specified.

2. The twin springs having the top connections, *a*, and below the same the supporting-links *b*, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

EDWARD T. SLAYTON.

Witnesses:

J. F. DEVLIN,
T. L. TERRY.