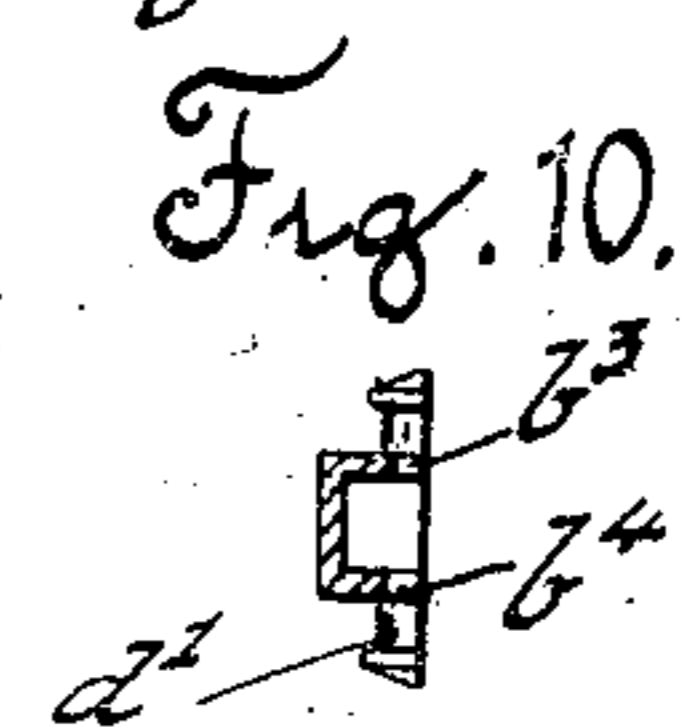
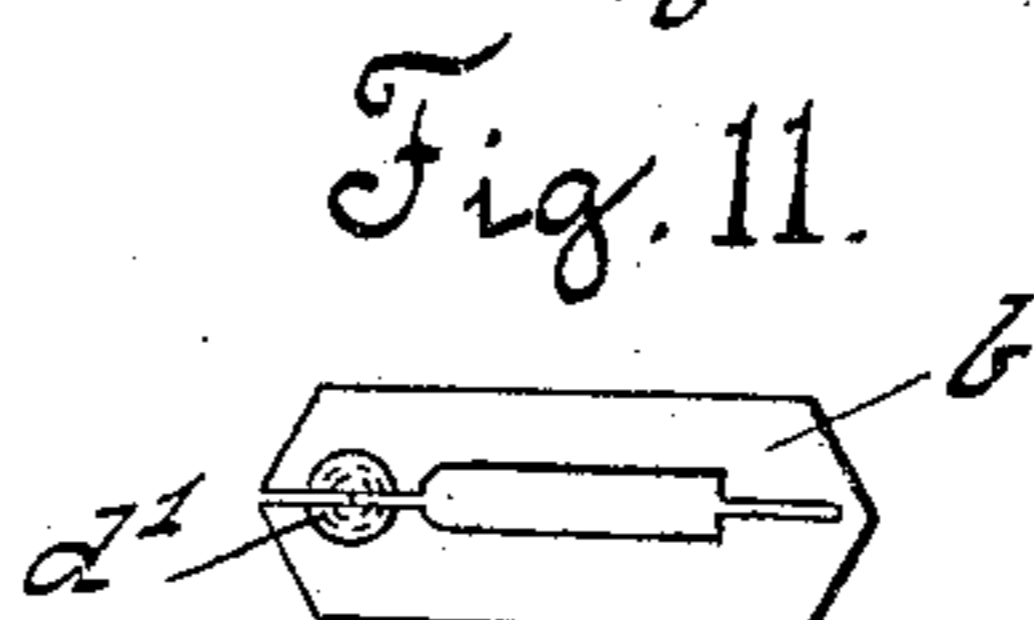
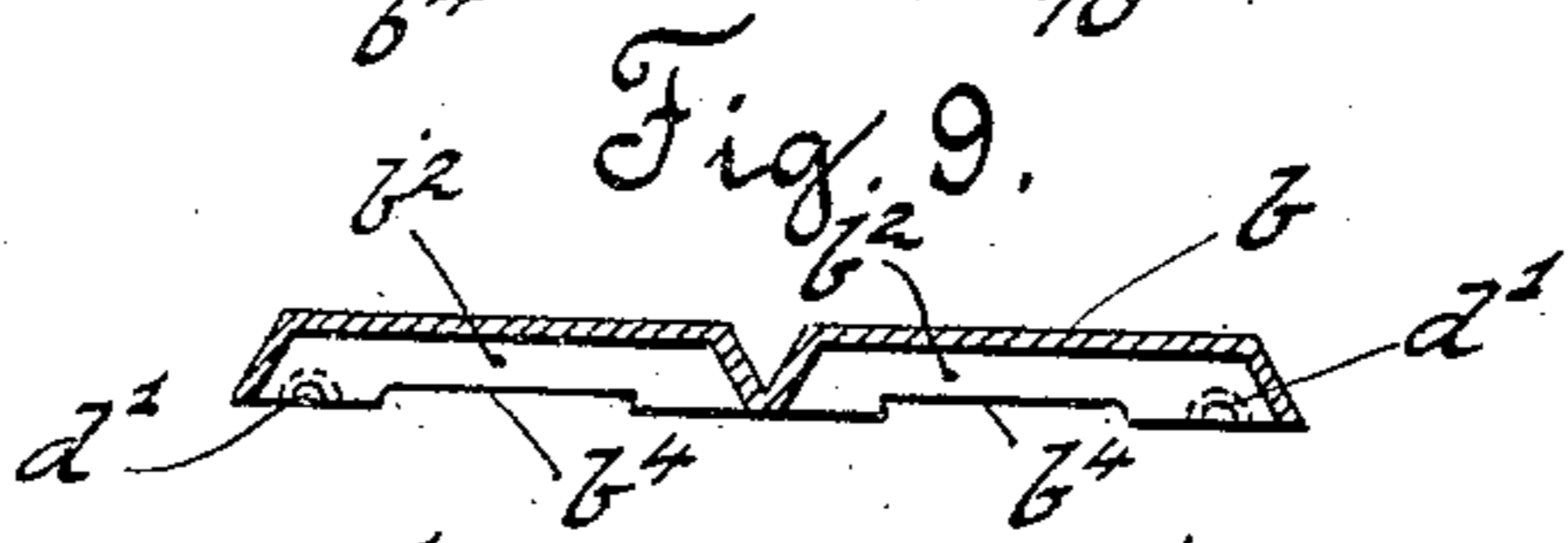
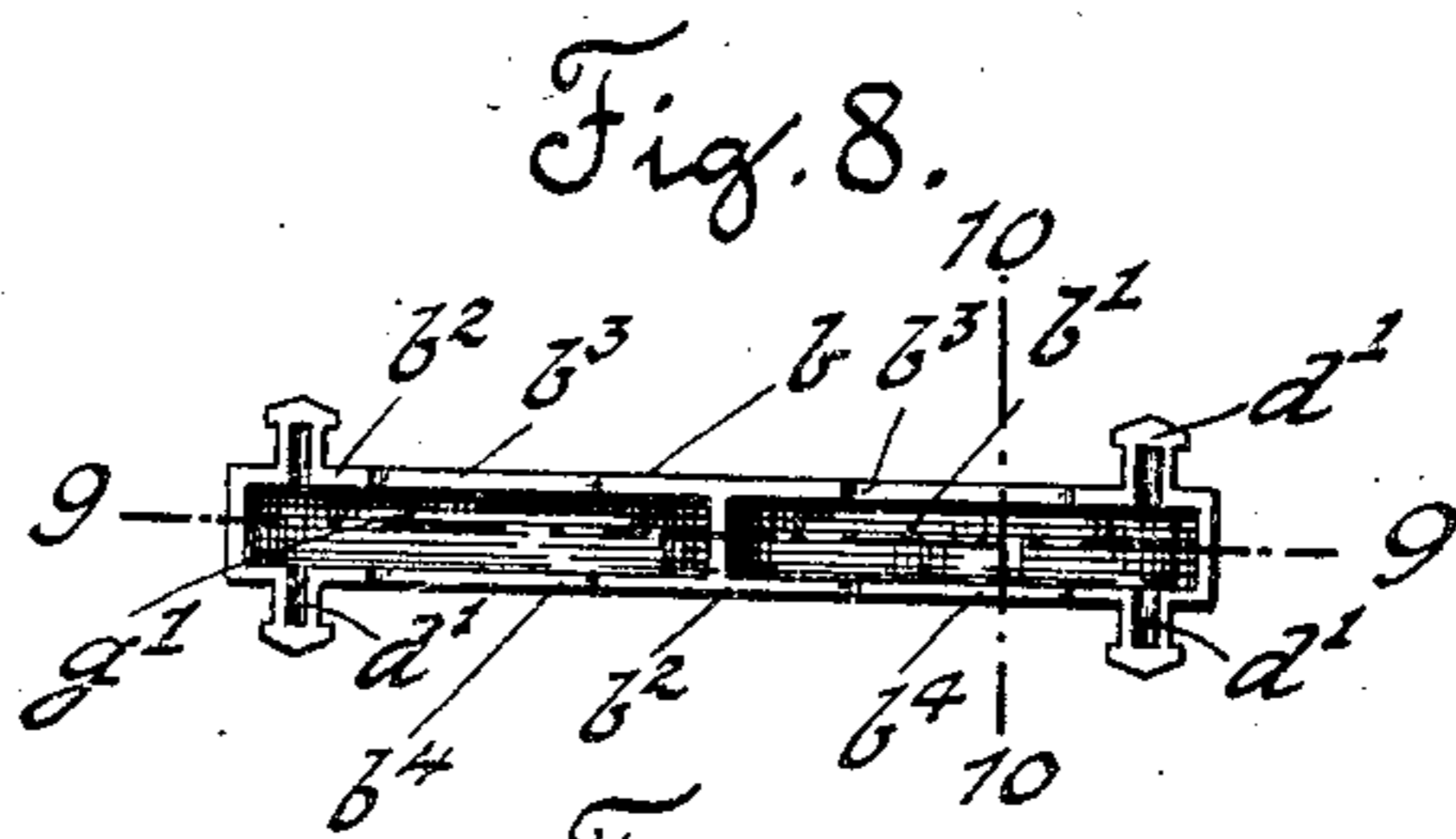
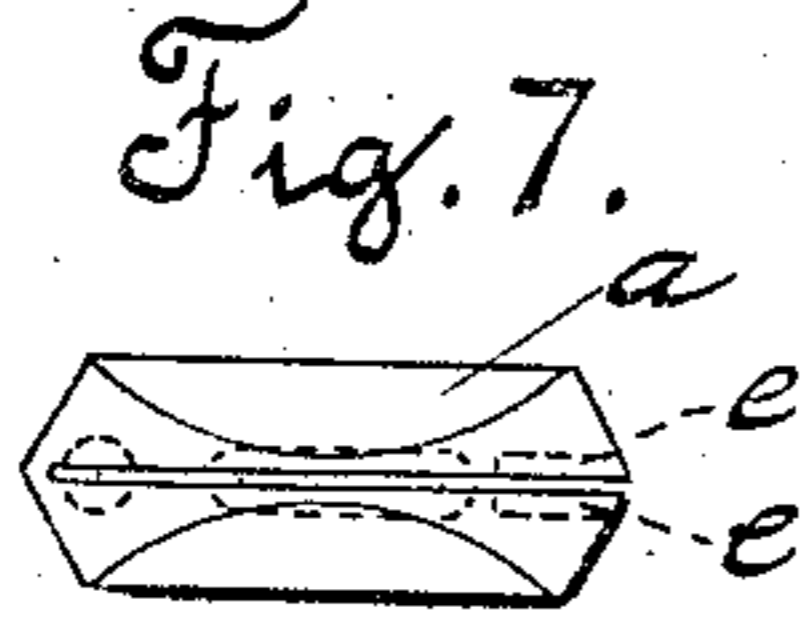
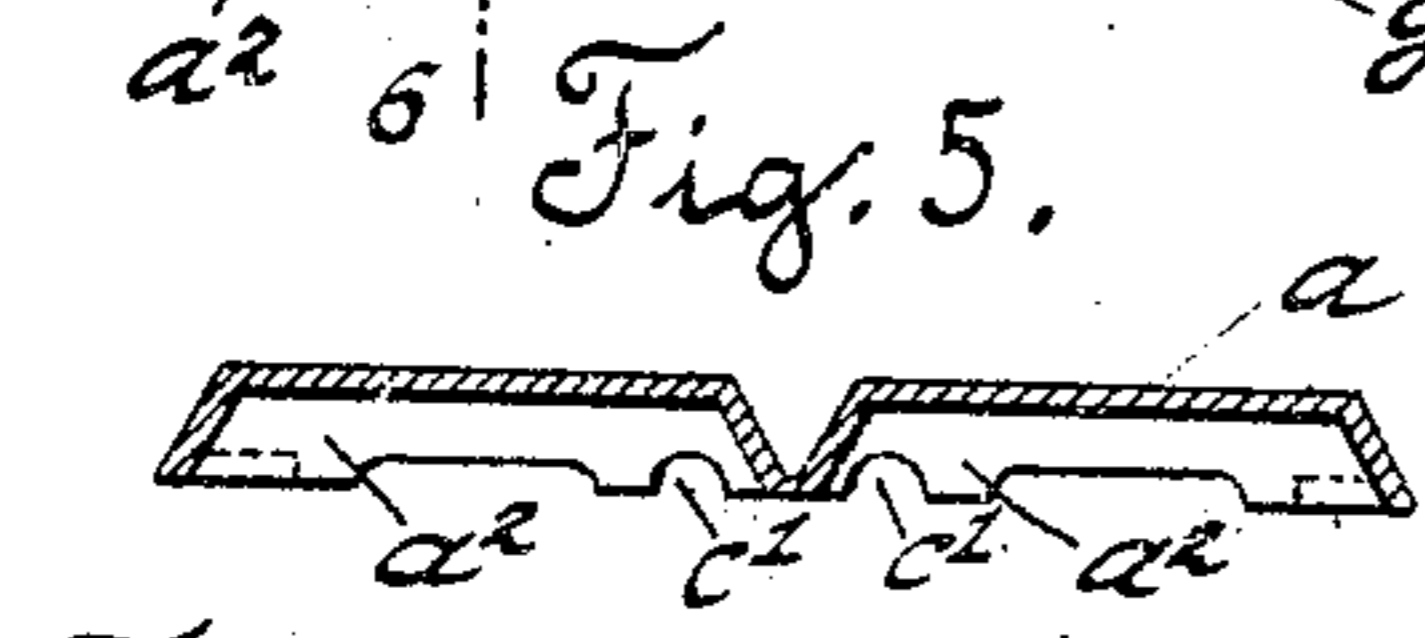
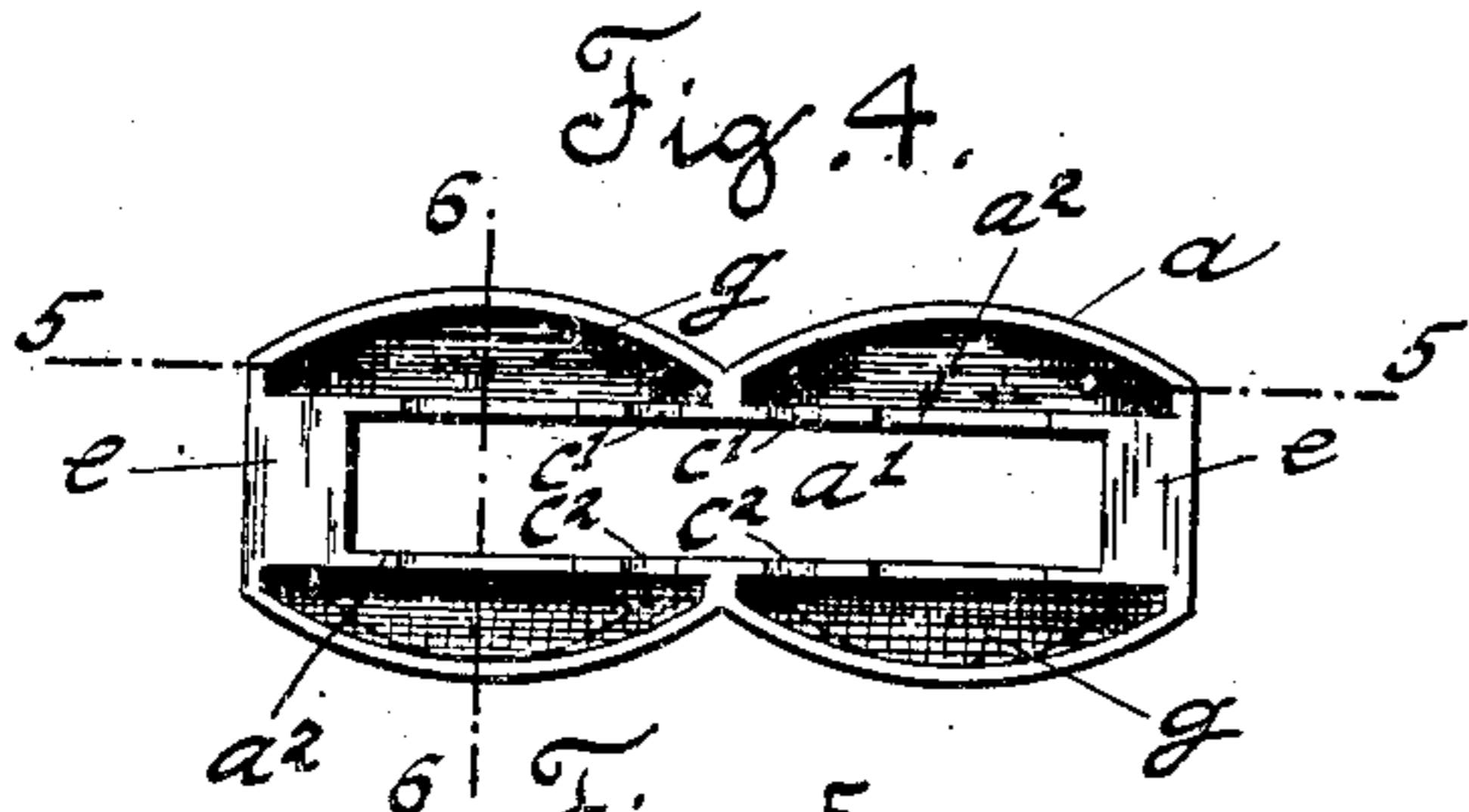
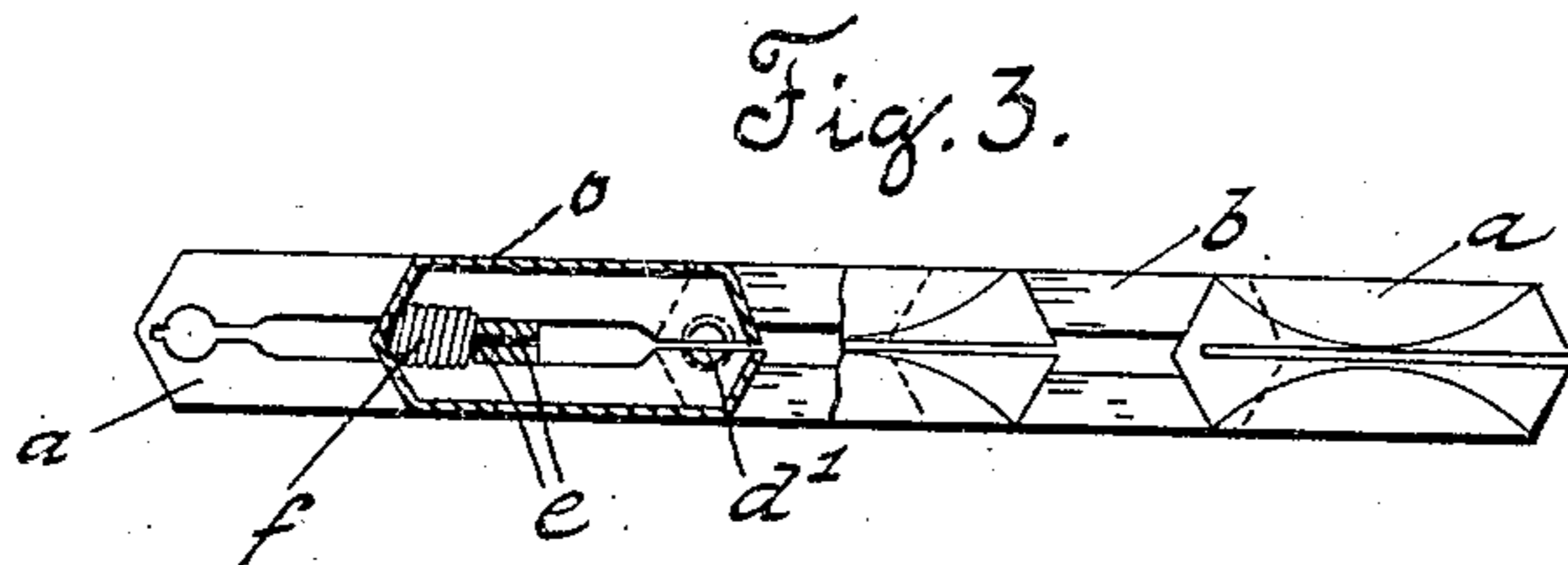
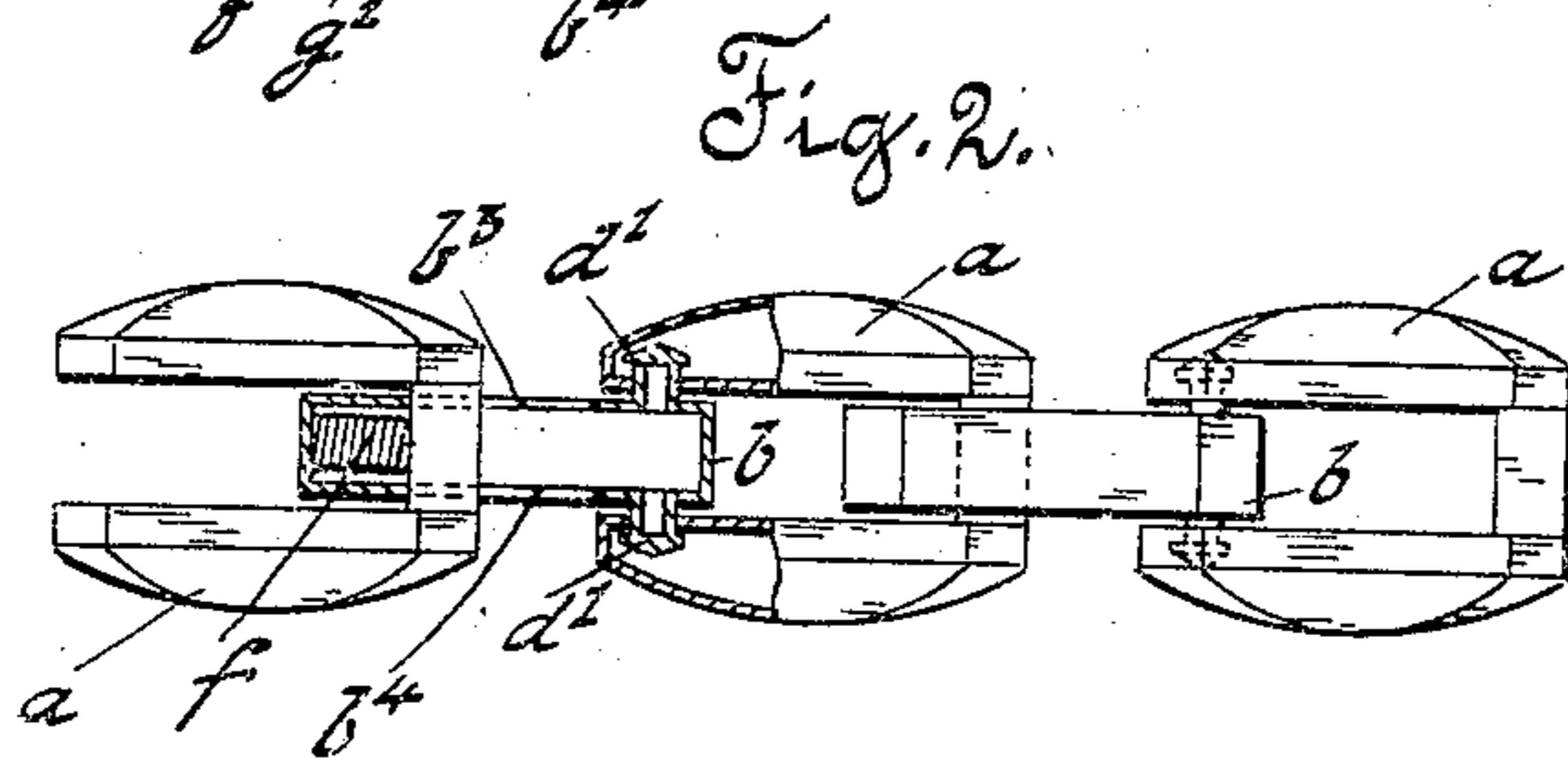
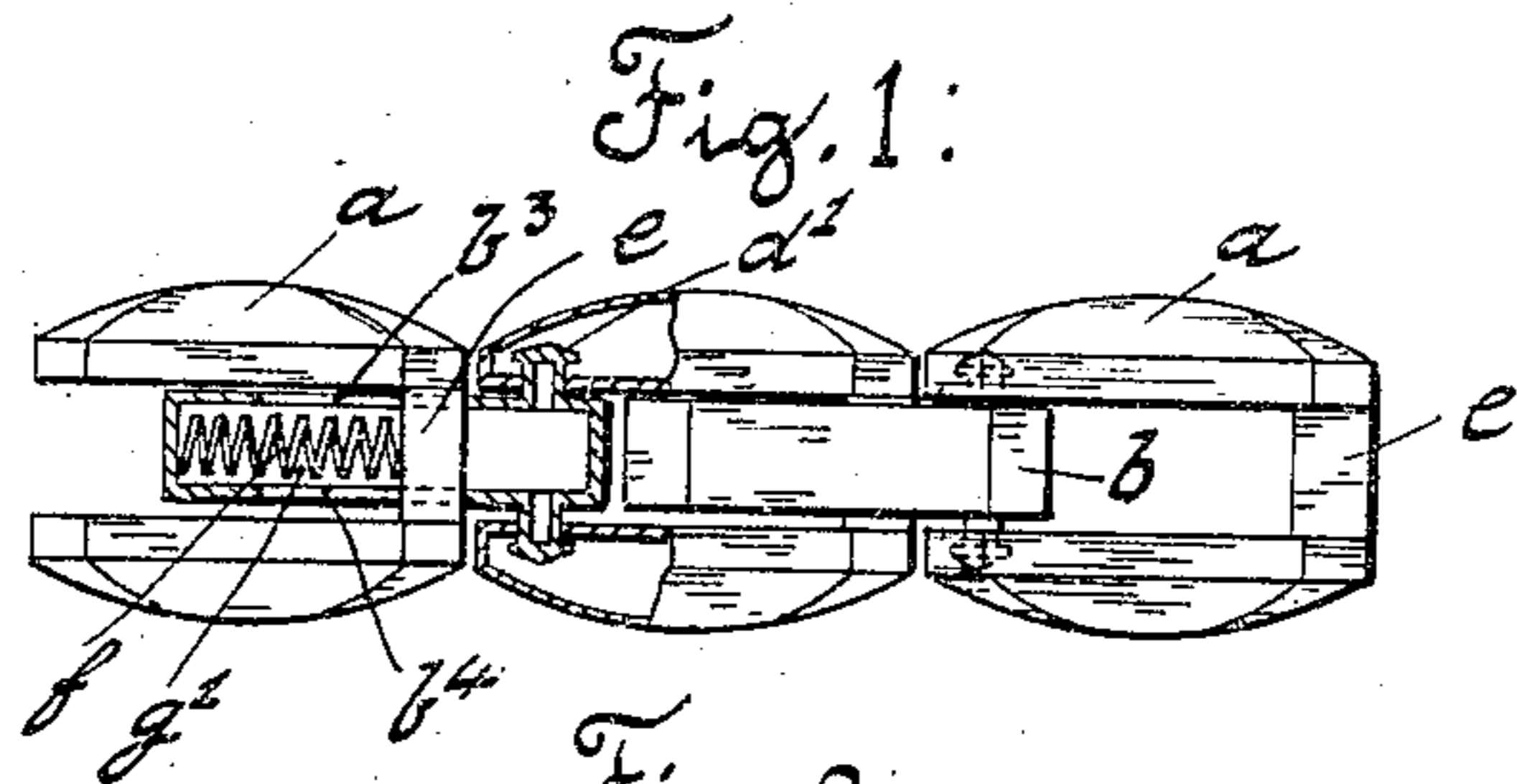


No. 896,865.

PATENTED AUG. 25, 1908.

A. SPEIDEL.
LINKED CHAIN.
APPLICATION FILED NOV. 22, 1907.



Witnesses:
T. Hadden.
H. Pansch

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Attorney:

UNITED STATES PATENT OFFICE.

ALBERT SPEIDEL, OF PFORZHEIM, GERMANY.

LINKED CHAIN.

No. 896,865.

Specification of Letters Patent.

Patented Aug. 25, 1908.

Application filed November 22, 1907. Serial No. 403,352.

To all whom it may concern:

Be it known that I, ALBERT SPEIDEL, a subject of the German Emperor, residing at Pforzheim, Baden, Germany, have invented a certain new and useful Linked Chain, of which the following is a specification.

This invention relates to improvements in links for forming a linked chain suitable for use as an elastic bracelet.

10 The improved links are formed from bodies stamped out from sheet metal which are of such shape that they can be connected together by bending and without the use of solder.

15 The annexed drawing illustrates the invention, in which

Figure 1 is a side view of a portion of a chain shown partly in section and in its contracted state. Figs. 2 and 3 are respectively a side and top view also partly in section of the same in its extended state. Fig. 4 is an elevation of one of the stampings before it is folded together to form one of the links. Fig. 5 is a longitudinal section thereof on line 5—5 of Fig. 4. Fig. 6 is a cross section on line 6—6 of Fig. 4. Fig. 7 is a plan view of the link formed by folding together the blank shown in Fig. 4. Fig. 8 is an elevation of one of the stampings from which the other shape of link is formed before it is folded together to form said link. Figs. 9 and 10 are sections on lines 9—9 10—10 of Fig. 8. Fig. 11 is a plan of the link formed out of the stamping shown in Fig. 8.

35 The chain consists of links *a* of one form alternated with links *b* of another form, each stamped out of a single piece of sheet metal, which is shaped into the links by bending and hooked into or connected with one another.

As shown in Figs. 4 to 7 the preliminary form of the link *a* stamped out of sheet metal essentially consists of a frame *a*¹, with flanges *a*² in which are recesses *c*¹ *c*², and the form of the link *b* shown in Figs. 8 to 11 essentially consists of a strip *b*¹ carrying stamped out projections *d*¹ forming when faced together the pins or pivots adapted to engage in the apertures formed by the recesses *c*¹ *c*² the said strip *b*¹ also having flanges *b*² *b*² in which are

recesses *b*³ *b*³ *b*⁴ *b*⁴ adapted when the strip *b*¹ is folded together to form slots in which the end members *e e* of the frame *a*¹ will slide. By bending the frame and strip respectively upon a central line so as to bring the ends together, the links *a* and *b* are formed without soldering.

The parts *g* of the sheet metal blank of link *a* are molded or pressed out to give ornamental shape to the link. The chamber formed at *g*¹ in the link *b* after the bending over of the strip *b*¹, serves to receive the helical spring *f*. As the individual links are connected one with the other by bending the strip *b* round the overlapping end members of the link *a*, the spring *f* abuts at one end of its helix against the members *e* and at the other end against the end of the link *b* formed by the bend of the strip *b*¹. The link *b*, is connected to the next adjacent link *a* by means of the pins formed by the projections *d*¹ which engage in the aperture formed by the recesses *c*¹ *c*² in said adjacent link *a*. A suitable number of links *a* and *b* thus alternating with one another may be used to form a chain the ends of which may be connected to form for example a bracelet.

What I claim as my invention and desire to secure by Letters Patent of the United States is:—

A chain of alternating links, one form of link comprising a frame *a*¹ having end members *e e* and side flanges *a*² *a*² with recesses *c*¹ *c*² *c*², and the other form of link comprising a strip *b*¹ having laterally projecting members *d*¹ and flanges *b*² *b*² in which are recesses *b*³ *b*³ *b*⁴ *b*⁴, each link being bent together upon a medial line and assembled by engaging the adjacent members *e* between the counterpart recesses *b*³ *b*⁴ and the counterpart members *d*¹ in the counterpart recesses *c*¹ *c*¹ and *c*² *c*²; together with springs interposed between the end members *e e* and the fold of the strips *b*¹ for the purpose set forth.

In witness whereof I have signed this specification in the presence of two witnesses.

ALBERT SPEIDEL.

Witnesses:

SIDNEY N. WOLF,

CARL W. SCHMITT.