

No. 744,564.

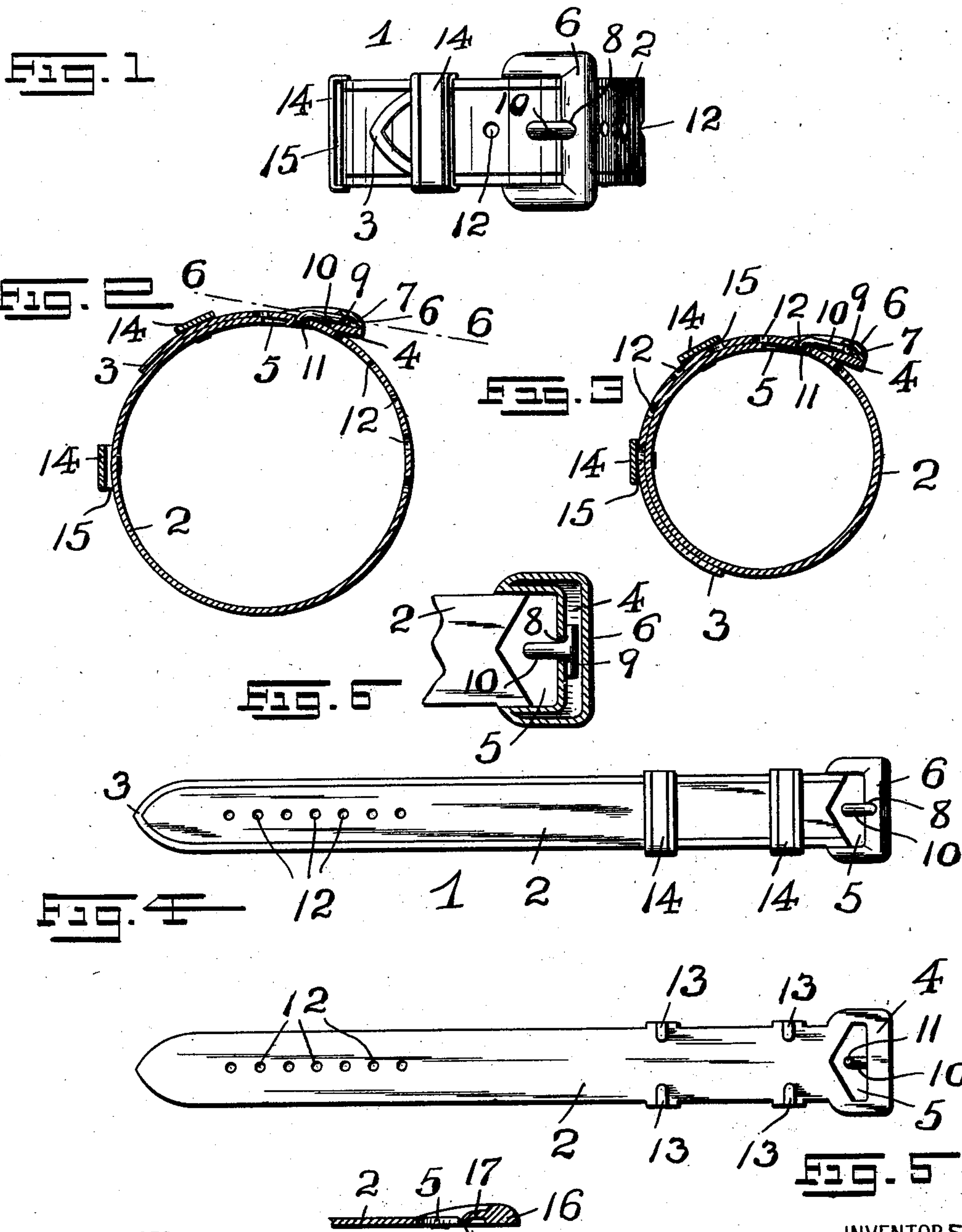
PATENTED NOV. 17, 1903.

R. C. KISLING & A. COE.

SPRING BAND.

APPLICATION FILED JULY 7, 1903.

NO MODEL.



WITNESSES:

Geo. D. Richards
James J. Gibb

FIG. 7

INVENTORS:

Robert C. Kisling
& Addison Coe.

Fred L. Fraentzel
ATTORNEY

UNITED STATES PATENT OFFICE.

ROBERT C. KISLING AND ADDISON COE, OF NEWARK, NEW JERSEY.

SPRING-BAND.

SPECIFICATION forming part of Letters Patent No. 744,564, dated November 17, 1903.

Application filed July 7, 1903. Serial No. 164,537. (No model.)

To all whom it may concern:

Be it known that we, ROBERT C. KISLING and ADDISON COE, citizens of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Spring-Bands; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to figures of reference marked thereon, which form a part of this specification.

This invention has reference to a novel device made in the form of a band of spring metal, the ends of which can be adjustably as well as separably connected and whereby the device is adapted for use as a finger-ring, as a scarf-pin, as a belt to be worn about the waist of a person, or as a bracelet or as a retaining means to be arranged about a roll of paper or other package.

The invention has for its principal object to provide a neatly and cheaply constructed device in the form of a spring-band, the parts of which can be adjustably connected so that the device may be made large or small, according to the uses to which it is to be put and according to varying conditions.

Other objects of this invention not at this time more particularly specified will be clearly evident from the following detailed description of our invention.

Our invention consists, primarily, in a clasping device made from spring metal in the form of a finger-ring, a scarf-ring, a bracelet, a belt, or the like, as hereinafter more particularly set forth; and, furthermore, this invention consists in the novel arrangements and combinations of parts, all of which will be fully described in the following specification and then finally embodied in the clauses of the claim, which are appended to and form a part of this specification.

The invention is clearly illustrated in the following figures of the drawings, in which—

Figure 1 is a top edge view of the device embodying the principles of the present invention, the device being made in the form of a finger-ring and in imitation of a strap and buckle and these parable end portions

of the spring-metal band being represented in one of their adjustably-connected positions. Figs. 2 and 3 are longitudinal vertical sections of the device, representing the end portions of the spring-metal band in two of their adjustably-connected relations to provide a ring of a large and a small diameter. Fig. 4 is a face view, and Fig. 5 a rear view, of the spring-metal band with its end portions in their separated relation; and Fig. 6 is a detail horizontal section taken on line 6 6 in said Fig. 2 and illustrating the buckle-shaped end portion of the device provided with a chamber and a pivotal holding tongue or stud connected therewith. Fig. 7 is a detail longitudinal vertical section of the buckle-shaped end portion of the device, representing said end provided with an integrally-connected holding-stud.

Similar characters of reference are employed in all of the said above-described views to indicate corresponding parts.

Referring now to the several figures of the drawings, the reference character 1 indicates the complete device, the same being made in the form of a band 2 of any suitable metal, such as gold, silver, German silver, and, in fact, any other suitable metal having great resilient properties, so that after the band has been flattened out, as indicated in Figs. 4 and 5, the natural tendency of the band will be that it will roll itself into a hoop or ring shaped body. The said band 2 has its one end portion 3 preferably made in the form of a point, while its opposite end portion is made with the integrally-formed member 4, forming with the main body of the band an opening 5. Suitably secured upon the upper face of said member 4 is a correspondingly-formed member 6, which is struck up in a suitable die to provide the under channel-shaped portion 7, having in one edge thereof contiguous to the opening 5 a slotted or open part 8, as clearly illustrated. Arranged in the chamber formed by said under channel-shaped portion 7 of the member 6 and the member 4 is a bar 9, having a tongue or stud 10 extending from said slotted or open part 8 and being made at its free end with a downwardly-curved end portion 11. The main body of said band 2 is also made with any desirable number of suitably-disposed

holes or perforations 12, and suitably secured against the back of said band 2 by means of clamping-tongues 13 or in any other suitable manner there may be one or more cross pieces 5 or plates 14, the latter extending slightly above the upper face of said body or band 2 to provide the spaces 15, as more particularly illustrated in Fig. 2 of the drawings. It will be understood, however, that these cross 10 pieces or plates 14 are not essential and they may be dispensed with, if desired.

To secure the end portions of the band 2 in their adjustably-connected relation, the pointed end portion 3 of the band is passed through 15 the opening 5 and beneath one or both of said cross pieces or plates 14, as shown, and the end portion 11 of the holding tongue or stud 10 made to extend into any one of the said holes or perforations 12 in said body 2, as 20 clearly illustrated in said Figs. 2 and 3. The pivotal arrangement of the said stud or tongue 10 is such that it will readily drop into its holding engagement with the surrounding edge of the hole or perforation 12, and it can 25 easily be disconnected from said hole or perforation when the band is to be adjusted to produce a larger or a smaller ring-shaped body.

If desired, the one end portion of the body 30 2 may be made with a solid member 16 and an integrally-formed stud or tongue 17, having the downwardly-extending end portion 18, as clearly illustrated in Fig. 7 of the drawings, which can easily be arranged in a hole 35 or perforation 12 in the band 2 to retain the end portions of said band in any one of their adjustably and separably connected relations to each other.

From the above description of our invention 40 it will clearly be seen that we have devised a simple and ornamental device which can be cheaply made and which is adapted for use as finger-rings, scarf-rings, bracelets, belts, and which may be put to many other 45 uses.

We are aware that some changes may be made in the arrangements and combinations of the parts, as well as in the details of the construction thereof, without departing from 50 the scope of the present invention. Hence we do not limit our invention to the exact arrangements and combinations of the parts, nor do we confine ourselves to the exact details of the construction of the said parts.

55 Having thus described our invention, what we claim is—

1. A ring-shaped band having free end por-

tions and made from spring metal, a member 4 at one of said end portions, said member being integrally formed with the main body of 60 said band and being provided with an opening, a stud connected with said member 4, said stud extending into said opening, and a series of perforations in the body of said band with any one of which said stud can be 65 brought in holding engagement, substantially as and for the purposes set forth.

2. A ring-shaped band having free end portions and made from spring metal, a member 4 at one of said end portions, said member being 70 integrally formed with the main body of said band and being provided with an opening, a stud connected with said member 4, said stud extending into said opening, a downwardly-extending end portion on said stud, 75 and a series of perforations in the body of said band with any one of which the downwardly-extending end portion of said stud can be brought in holding engagement, substantially as and for the purposes set forth. 80

3. A ring-shaped band having free end portions and made from spring metal, one of said end portions being provided with an opening, a chambered member in close proximity to said opening having a slotted part, a bar in 85 said chambered member, and a stud connected with said bar, said stud being pivotally arranged in said slotted part, and a series of perforations in the body of said band with any one of which said stud can be brought in 90 holding engagement, substantially as and for the purposes set forth.

4. A ring-shaped band having free end portions and made from spring metal, one of said end portions being provided with an opening, 95 a chambered member in close proximity to said opening having a slotted part, a bar in said chambered member, and a stud connected with said bar, said stud being pivotally arranged in said slotted part, a downwardly- 100 extending end portion on said stud, and a series of perforations in the body of said band with any one of which the end portion of said stud can be brought in holding engagement, substantially as and for the purposes set forth. 105

In testimony that we claim the invention set forth above we have hereunto set our hands this 6th day of July, 1903.

ROBERT C. KISLING.
ADDISON COE.

Witnesses:

FREDK. C. FRAENTZEL,
GEO. D. RICHARDS.