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B. W. FRAMPTON.

BRACE.

APPLICATION FILED JAN. 18, 1905.

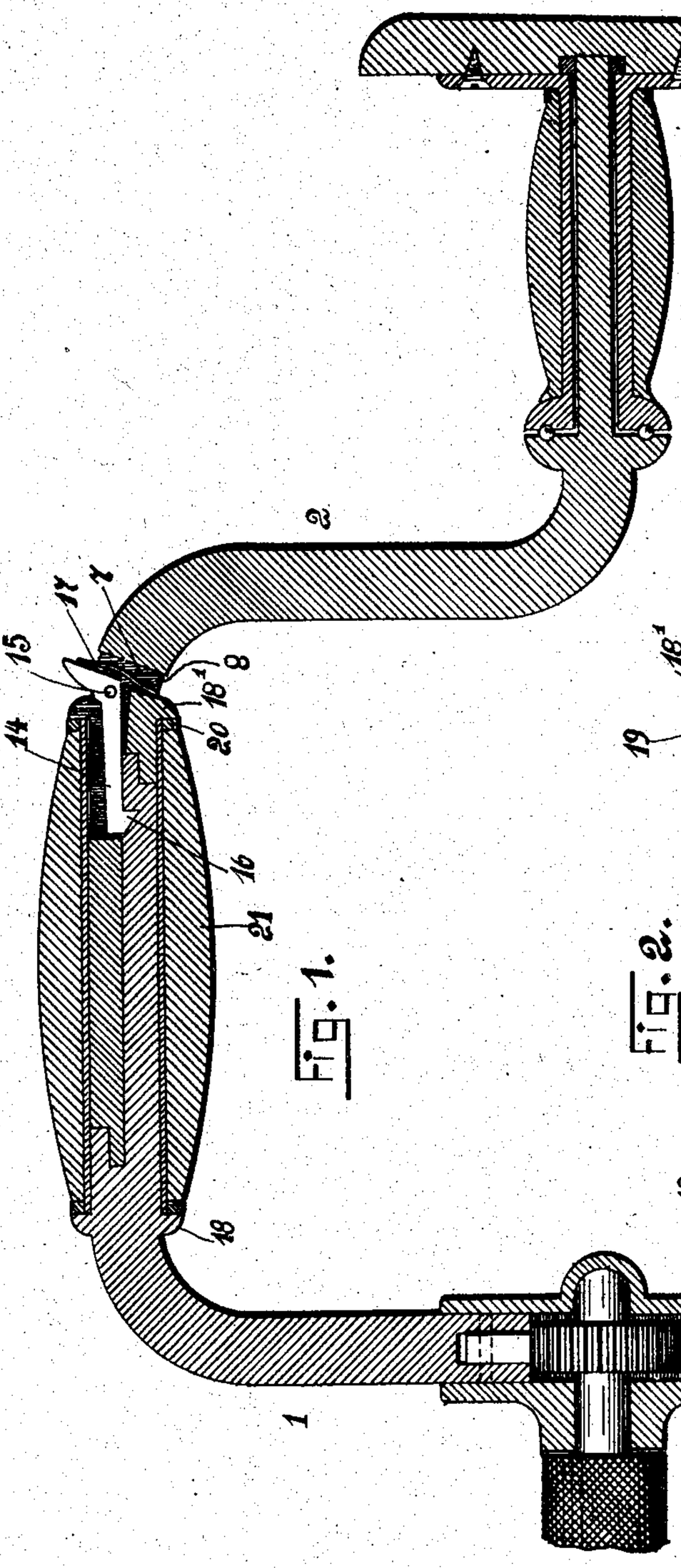

Fig. 1.

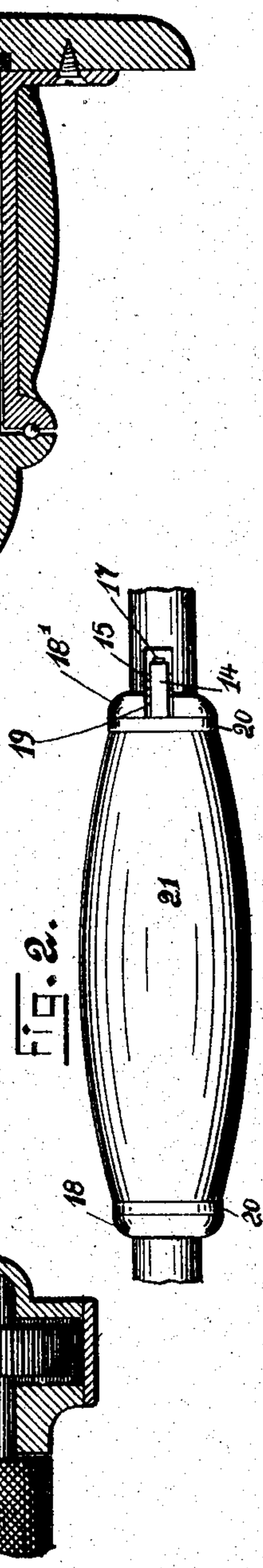

Fig. 2.

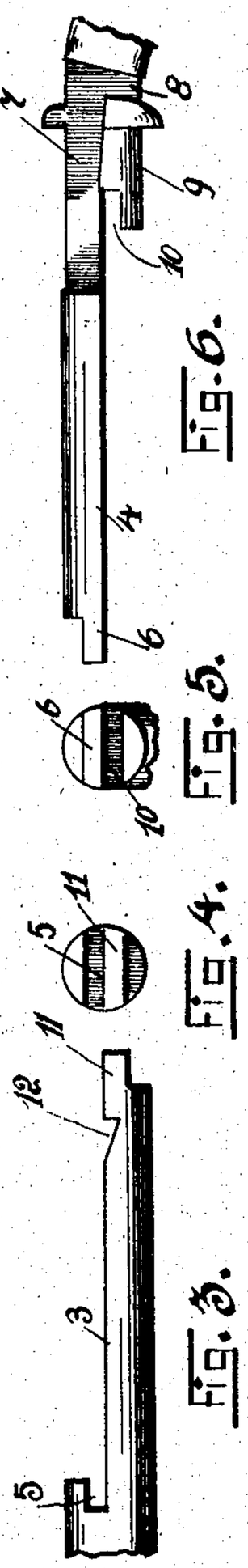

Fig. 6.

Fig. 5.

Fig. 4.

Fig. 3.

Witnesses:
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UNITED STATES PATENT OFFICE.

BENJAMIN WARREN FRAMPTON, OF ALLEGHENY, PENNSYLVANIA.

BRACE.

No. 796,201. Specification of Letters Patent. Patented Aug. 1, 1905.

Application filed January 18, 1905. Serial No. 241,582.

To all whom it may concern:

Be it known that I, BENJAMIN WARREN FRAMPTON, a citizen of the United States of America, residing at Allegheny, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Braces, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in braces, and has for its object the provision of novel means whereby a brace may be formed in two parts and conveniently joined together.

Another object of this invention is to provide a brace formed of two sections, each of said sections being adapted to interlock one within the other when it is desired to use the same. To this end I have provided a brace which is formed of two parts adapted to be joined together, the ends of said parts being formed in the cranked handle of said brace. The one part of said brace is adapted to interlock within the other, and I have employed a spring-actuated latch to firmly lock said parts together. The interlocking of the two parts of the brace is formed at the handle-grip of the brace, and I have employed the handle of said brace to protect and support the interlocking parts of the brace.

The above construction will be hereinafter more fully described and then specifically pointed out in the claims, and, referring to the drawings accompanying this application, like numerals of reference designate corresponding parts throughout the several views, in which—

Figure 1 is a vertical sectional view of a brace constructed in accordance with my invention. Fig. 2 is a plan view of a portion of the cranked handle or grip of my improved brace. Fig. 3 is a side elevation of one of the joining ends of my improved brace. Fig. 4 is an end view of the same. Fig. 5 is an end view of the adjoining end of my improved brace, and Fig. 6 is a side elevation of the same.

In the accompanying drawings I have illustrated my invention as applicable to a ratchet-brace having a revoluble head; but I do not care to confine myself to this type of brace, as the same can be readily used in connection with braces wherein the ratchet feature is dispensed with.

A brace as constructed in accordance with my invention comprises two parts 1 and 2, these parts when joined together forming the cranked handle of a brace. The joining ends of these parts are adapted to be interlocked one within the other, and in accordance with this feature I cut away the end of part 1 of the brace, as indicated at 3, forming a flat surface 4, upon which the joining part 2 of the brace is adapted to rest. In cutting away the end of the part 1 I form a slot 5, in which the contracted end 6 of the part 2 is adapted to fit.

The reference-numeral 7 designates a slot which is formed in the part 2 adjacent to the flat surface and directly opposite thereto. Communicating with the slot 7 is a transverse slot 8, and in the formation of these slots a portion of material remains which is slotted, as indicated at 10, to receive the reduced end 11 of the part 1. Adjacent to the reduced end 11 is formed a bevel-sided notch 12.

The reference-numeral 14 designates a latch which is pivotally mounted upon a pin 15 in the slot 7 of the part 2, and the toothed end 16 of this pawl is normally held in the notch 12 by a spring 17, mounted in the slot 8 of the part 2.

The parts 1 and 2 of the brace adjacent to their adjoining ends are provided with annular collars 18 18′, the collar 18′ being cut away, as indicated at 19, the cut-away portion registering with the slot 7. Secured to the part 2, adjacent to the collar 18′, is a sleeve 20, which supports a handle or grip 21.

The spring-pressed latch 14, the sleeve 20, and the handle or grip 21, together with the part 2, form one complete piece, which is adapted to slide over the cut-away end of the part 1. When the two parts are joined together, the spring-pressed latch is adapted to engage in the notch 12 and retain the two parts of the brace in an interlocked position. Should it be desired to separate the two parts of the brace, the spring-pressed latch is pressed, which raises the toothed end 16 thereof and permits of the part 1 being slidably withdrawn from the part 2.

It will be noted that various changes may be made in the details of construction without departing from the general spirit and scope of the invention.

What I claim, and desire to secure by Letters Patent, is—

1. A crank formed in two parts interlocking together, each part being cut away and formed with flat engaging faces, and each part having a reduced end, the reduced end of each

part fitting in a recess provided therefor in the other part, one part having a slot, and a spring-pressed latch mounted in said slot and engaging the other part to lock the parts together.

2. In a brace, a crank portion comprising two parts, said parts being cut away longitudinally at their ends and overlapping each other with said cut-away portions, each part having a reduced end engaging a recess provided therefor in the other part, and means carried by one part and engaging the other part to lock the parts together.

In testimony whereof I affix my signature in the presence of two witnesses.

BENJAMIN WARREN FRAMPTON.

Witnesses:
H. C. EVERT,
E. E. POTTER.