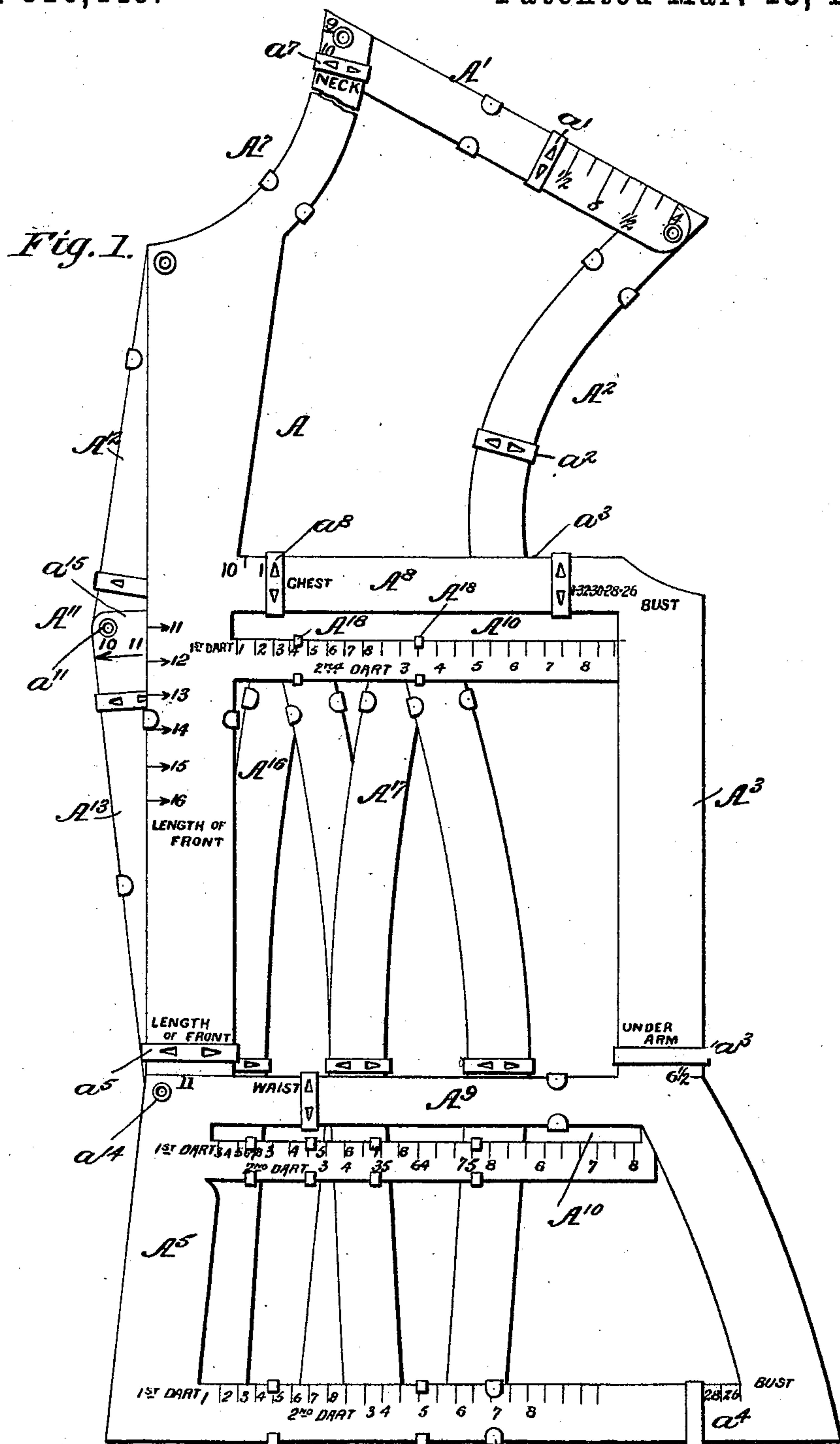


D. RYAN.
PATTERN FOR DRAFTING GARMENTS.

No. 516,449.

Patented Mar. 13, 1894.



WITNESSES:

Fred G. Dieterich
P. B. Turpin

INVENTOR:

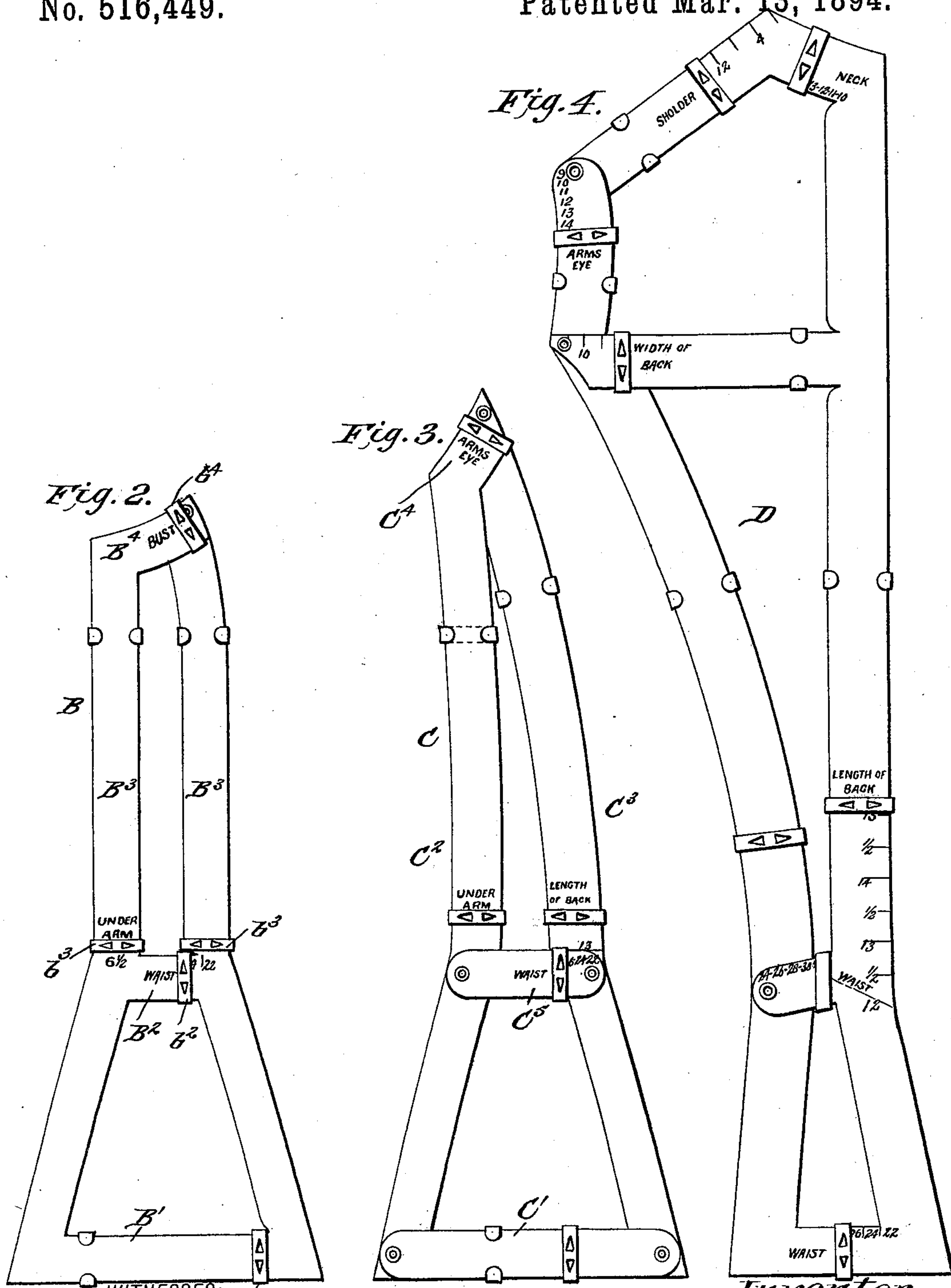
Della Ryan.
BY *Murphy*

ATTORNEYS

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WITNESSES:
Fred G. Dietrich
P. B. Turpin.

Inventor:
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BY *Munn & Co.*
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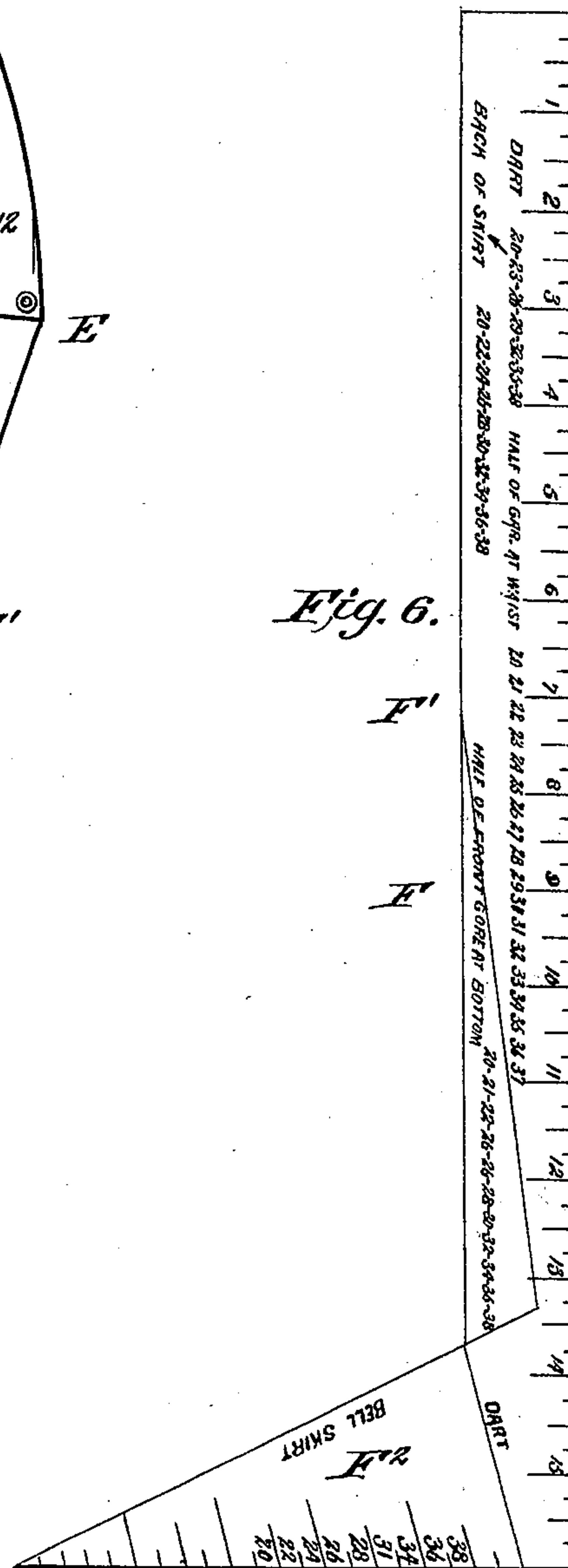
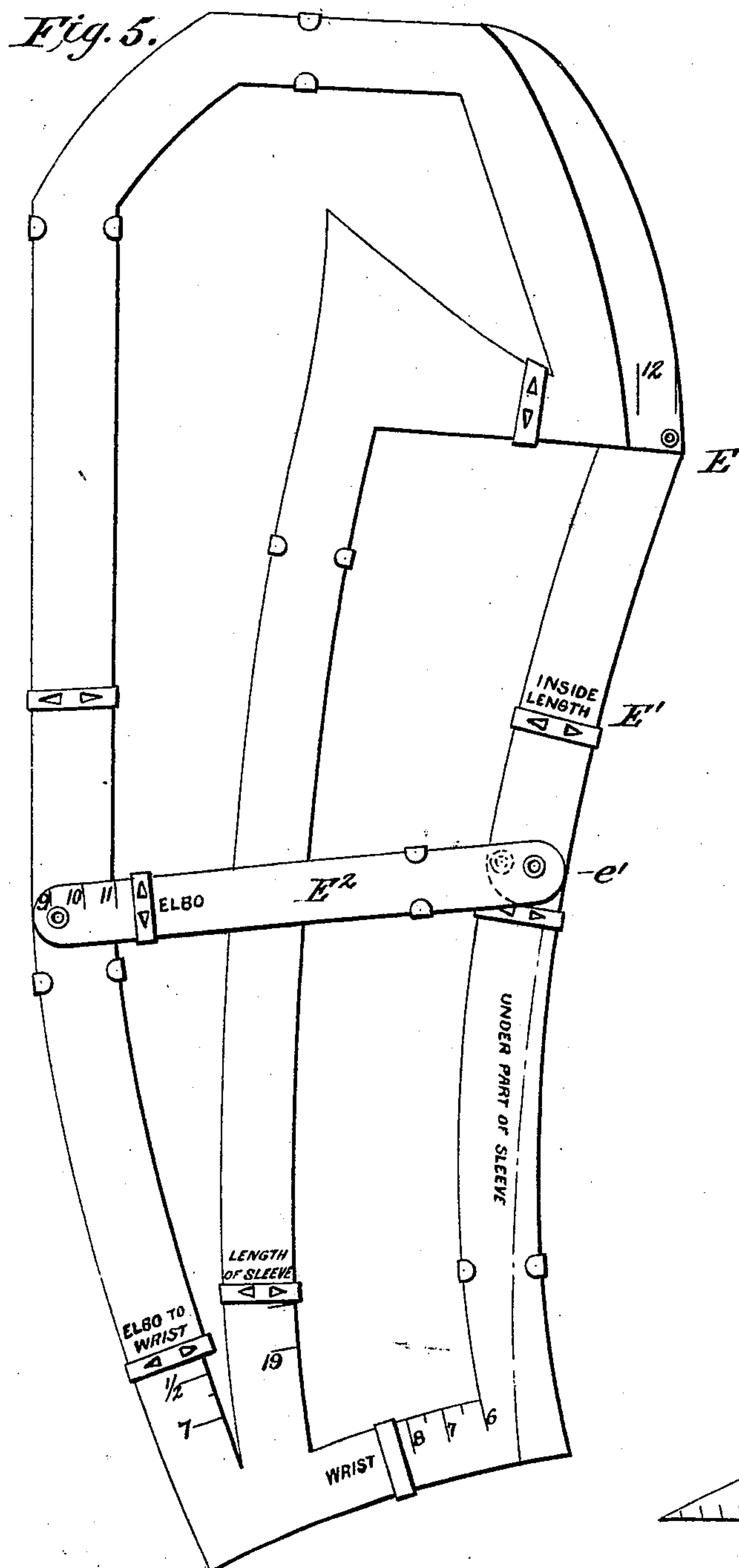
(No Model.)

3 Sheets—Sheet 3,

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UNITED STATES PATENT OFFICE.

DELLA RYAN, OF OWOSSO, MICHIGAN.

PATTERN FOR DRAFTING GARMENTS.

SPECIFICATION forming part of Letters Patent No. 516,449, dated March 13, 1894.

Application filed February 6, 1893. Serial No. 461,286. (No model.)

To all whom it may concern:

Be it known that I, DELLA RYAN, of Owosso, in the county of Shiawassee and State of Michigan, have invented a new and useful Improvement in Patterns for Drafting Garments, of which the following is a specification.

This invention is an improvement in that class of patterns formed of a number of patterns or parts each of which is adjustable so it may be adjusted to the measures of the part it represents and the invention seeks among other improvements to furnish a simple, novel construction capable of convenient enlargement or reduction in the direction of all measures, and the invention consists in the novel construction, combination and arrangement of parts as will be hereinafter described and pointed out in the claims.

In the drawings—Figure 1 is a face view of the front piece or pattern. Fig. 2 is a face view of the under arm piece or pattern. Fig. 3 is a face view of the side form piece. Fig. 4 is a face view of the back piece or pattern. Fig. 5 is a face view of the sleeve piece or pattern and Fig. 6 is a face view of the skirt piece or pattern.

The front piece A is formed with the top or shoulder bar A' which is formed in the sections having a sliding connection at a' , the arm piece A² formed in the sections having a sliding connection at a^2 , and the under arm bar A³ formed in the sections having a sliding connection at a^3 . At its lower end the lower section of the bar A³ has an arm a^4 which forms one section of the base A⁴ the other section of said base A⁴ being extended from the opposite side piece A⁵ and the two sections having a sliding joint or connections at A⁶ as shown. The side A⁵ is formed in sections having a sliding connection at a^5 and the upper section of said side A⁵ connects with one section of the neck piece A⁷ the other section of which connects with the shoulder and both said neck pieces having an adjustable or sliding connection at a^7 . The opposite side parts or pieces are joined by two connections A⁸ and A⁹ which may be termed respectively the bust and waist connections. The bust connection is formed in sections connected at a^8 to slide and the lower end of the arm piece A² is provided at its lower end with a piece a^3 having a sliding connection with the part A⁸.

The parts A⁸ and A⁹ are formed in upper and lower sections separated by longitudinal slots or openings A¹⁰ and upon the lower ones of said sections are produced graduations and one or the other of the other sliding parts or sections are graduated as shown.

To the side piece A⁵ is connected the improved chest piece A¹¹ which is formed in two parts A¹² and A¹³ which are pivotally connected at their meeting ends to each other at a^{11} and at their opposite ends to the piece A⁵ at A¹⁴ A¹⁴. At their joint a^{11} one of the parts is provided with a transversely elongated portion A¹⁵ which is graduated and is registered by the front edge of the side piece A⁵. Each of the parts A¹² and A¹³ is formed in sections having adjustable or sliding connections. It will be noticed that the point of the improved chest always comes half way from neck to waist.

The dart pieces A¹⁶ and A¹⁷ are formed in pairs their upper members being pivoted together and having a sliding connection at A¹⁸ with the bust connection. The upper members of the darts are formed in sections connected to slide upon each other and at their lower ends the upper members are pivoted to the lower members which latter slide upon the waist connection and end piece as shown. It will be noticed that the darts may be adjusted sidewise at their ends and may be spread or contracted between their ends to secure any desired form or size of dart desired.

It will be noticed that the front piece is entirely smooth on all outside edges in all its adjustments so that when set it can be placed upon the goods and traced entirely around, there being no projecting parts to require the tracer to be lifted.

The under arm piece B shown in Fig. 2 has the base B' formed in sections having connections at b' , the intermediate connection B² having a sliding connection at b^2 , the uprights B³ having sliding connections at b^3 and the curved top under arm piece B⁴ formed in sections having a sliding connection at b^4 .

The curved piece or side body pattern C shown in Fig. 3 has the base C', the sides C² C³, the curved top C⁴ and the intermediate connection C⁵ the several parts being formed in sections having sliding joints or connections.

The back piece or pattern D shown in Fig. 4 is formed of the several pieces having sliding joints or connections so the pattern can be adjusted in all directions to suit the shape desired.

The pattern E for the sleeve piece is formed of the several pieces having sliding connections and the slide piece E' is formed in two members each being adjustable longitudinally and being pivoted together at e' at their meeting ends where they join the cross or connecting bar E² at the elbow joint. This pivot e' and the sliding bar E² permit the pattern to be expanded or contracted at this middle point independent of the transverse adjustment of its ends.

The pattern F for the skirt is formed with the upright piece F' and the base piece F² extended laterally and is provided with the dart marks and graduations as shown.

Having thus described my invention, what

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

1. An adjustable pattern, for the front piece provided at its front edge with the adjustable chest piece composed of the sections connected together pivotally at their meeting ends and having their opposite ends connected pivotally with the body of the pattern substantially as set forth.

2. An adjustable pattern for the front piece provided at its front edge with the chest piece formed in upper and lower members pivoted together at their meeting ends and at their outer ends to the pattern and each formed of sections adjustable longitudinally substantially as set forth.

DELLA RYAN.

Witnesses:

NATHAME BALL,
ADELE BALL.