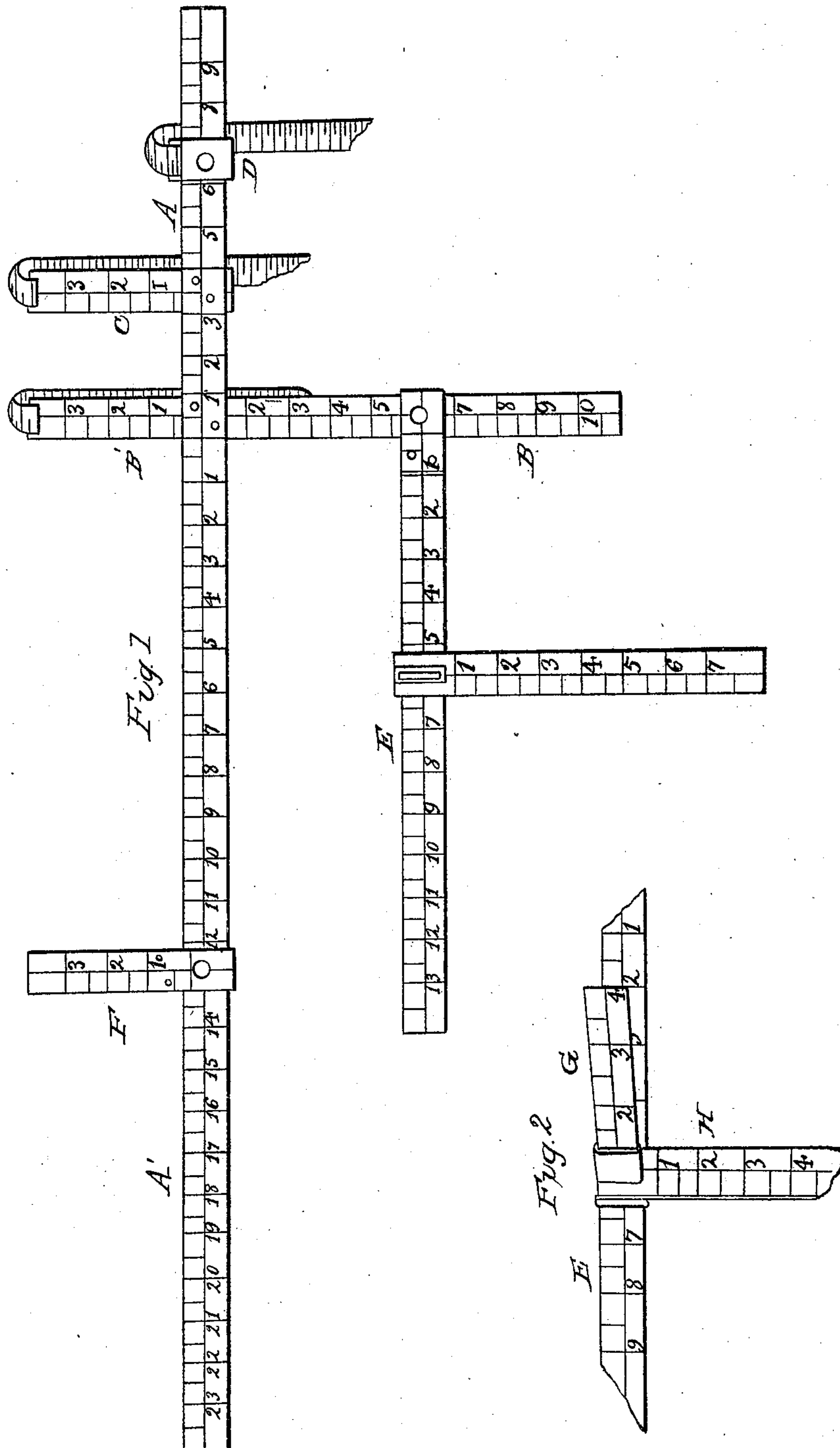


BARNETT & STORY.

Tailor's Measure.

No. 1,406.

Patented Nov. 12, 1839.



UNITED STATES PATENT OFFICE.

JOHN P. BARNETT AND FRANCIS STORY, OF CATSKILL, NEW YORK.

TAILOR'S MEASURING INSTRUMENT.

Specification of Letters Patent No. 1,406, dated November 12, 1839.

To all whom it may concern:

Be it known that we, JOHN P. BARNETT and FRANCIS STORY, of Catskill, in the county of Greene and State of New York, have invented an improved apparatus for taking measures of the body for the purpose of cutting garments, but particularly for the measuring and drafting for coats; and we do hereby declare that the following is a full and exact description thereof.

In the accompanying drawing, A, and B, are two strips of elastic metal crossing each other at right angles and firmly united together at their place of crossing. The longer strap A, A', is, when used, to pass around the body horizontally, and is to be provided at its ends with a strap and buckle, or other means of confining it in place during the operation of taking measure. The longer end, A', of this strap, which is to pass around the back, may measure 24 inches, and the fore part A, which is to pass around the breast, 10 inches. The vertical strip B, B', we extend, at the part B', three inches and a half above A, A', and ten inches below it. At the upper end of B', there is a measuring tape which may be 14, or 15, inches long. C, is a strip rising vertically from A, to the height, also, of three inches and a half; it is fixed permanently to A, three inches in advance of B', and has a similar measuring tape at its upper end. Upon the strip A, there is a slide F, which may be three and a half, or four, inches long.

The foregoing constitute all the parts of the apparatus above the strip A, A. Below it, from the strip B, extends the sliding strip E, parallel to A', and about 14 inches long. Upon this, there is a slide which carries a strip G, Fig. 2, four inches long, projecting out horizontally from it, at right angles. Upon this last strip there is a slide carrying a strip H, of eight inches in length, and descending vertically from the strip G. All the strips as well as the measuring tapes, are graduated into inches, and parts of inches, in the ordinary way.

The parts above described, when combined together as set forth, constitute the whole instrument, and it is to be used in the following manner. The strip A, A', is placed immediately under the right arm, the part B', being in front of, and directly in contact with it; the two portions of the strip A, A', are then to be carried around the

back and breast, and their ends made fast by a buckle and strap, or in any other way. When this has been properly adjusted, the strip F, is brought up against the back of the arm, and this gives the measurement through the arm, at the shoulder, and also from the bottom of the arm to the top of the side seam. The tape on B', is then carried over the shoulder to meet F, at the top of the side seam, and the distance noted. The same tape is then carried up to the neck, or socket bone, and the distance duly marked down. The tape upon C, is then carried around to the same two points, and the measurements marked down; thus affording a second admeasurement to these points, from one three inches in advance of the former, which in drafting, will be found to be a valuable auxiliary in rendering this important part correct. The measurement around over the shoulder blade to the middle of the back seam, is then noted upon A', and also the distance from the fore part of the arm to the middle of the breast, upon A. The tape on the slide D, is used to ascertain the distance from the place of A, on the middle of the breast to the neck, and is intended principally as a guide in making military coats, in which this is a point of considerable importance. The foregoing measurements having been ascertained, the sliding strip E, is carried down to the top of the hip bone, this giving the distance from under the arm to that point; the strap E, measures, also, the distance from the hip to the center of the back, and by the aid of the strips G, and H, which are appended to it, the manner in which the individual stands, as respects the falling in of the back, and the projection of the rump, is correctly ascertained; thus affording an opportunity of cutting the lower part of the coat in such a way as that the skirts shall hang gracefully down, a frequent point of failure in coats otherwise well cut. The slide strip G, is brought to the middle of the hollow of the back, and the vertical strip H, is moved upon it so as just to touch the rump, which will give, upon G, the desired distance.

The foregoing points having been ascertained, as also those which are in all cases taken by the measuring tape, such as the length of, and the size around, the arm &c., every thing is ready for the operation of drafting, which is the same with this as

with various other measuring instruments, and does not, therefore, require any explanation to those conversant with the cutting of coats.

5 We do not make any claim to the use of elastic graduated strips of metal, or the combination of measuring tapes therewith, these being common to many instruments for the same purpose; but we limit our claim
10 to what we believe to be new in the construction of such an instrument, as herein fully made known, and it is to be understood that although we have designated certain lengths to be given to the respective strips, and
15 tapes, constituting our instrument, we do not intend thereby to limit ourselves in this particular, as we have only given them as such which we have found sufficient, but which may be varied without altering the
20 principle upon which we have proceeded. We do not claim the constructing of the horizontal graduated piece marked A A',

having two fixed points for measuring from, as described; but

What we do claim as our improvement, 25 and desire to secure by Letters Patent, is—

1. The constructing of said horizontal graduated piece beyond the fixed points, and combining with the whole as thus constructed, the tape measure and sliding piece 30 D, the whole being constructed in the manner and for the purpose set forth.

2. We also claim the combination of the graduated, sliding, horizontal piece G, with the sliding piece H, and their further combination with the graduated, horizontal sliding piece E, the whole being constructed and operating substantially in the manner and for the purpose described.

JOHN P. BARNETT.
FRAS. STORY.

Witnesses:

WM. H. VAN ORDEN,
IRA DUBOIS.