

E. H. CRAIGE.
Sewing Machine.

No. 62,186.

Patented Feb. 19, 1867.

Fig. 1

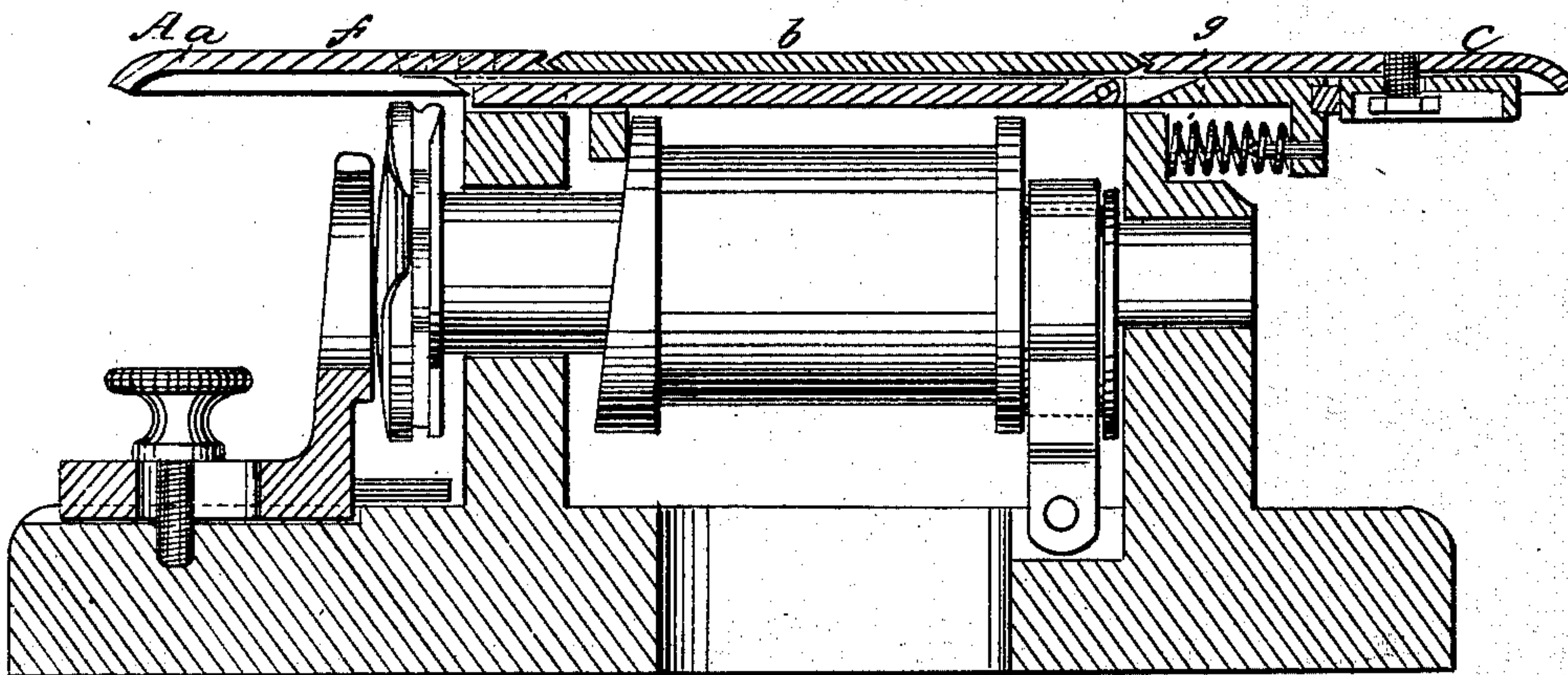
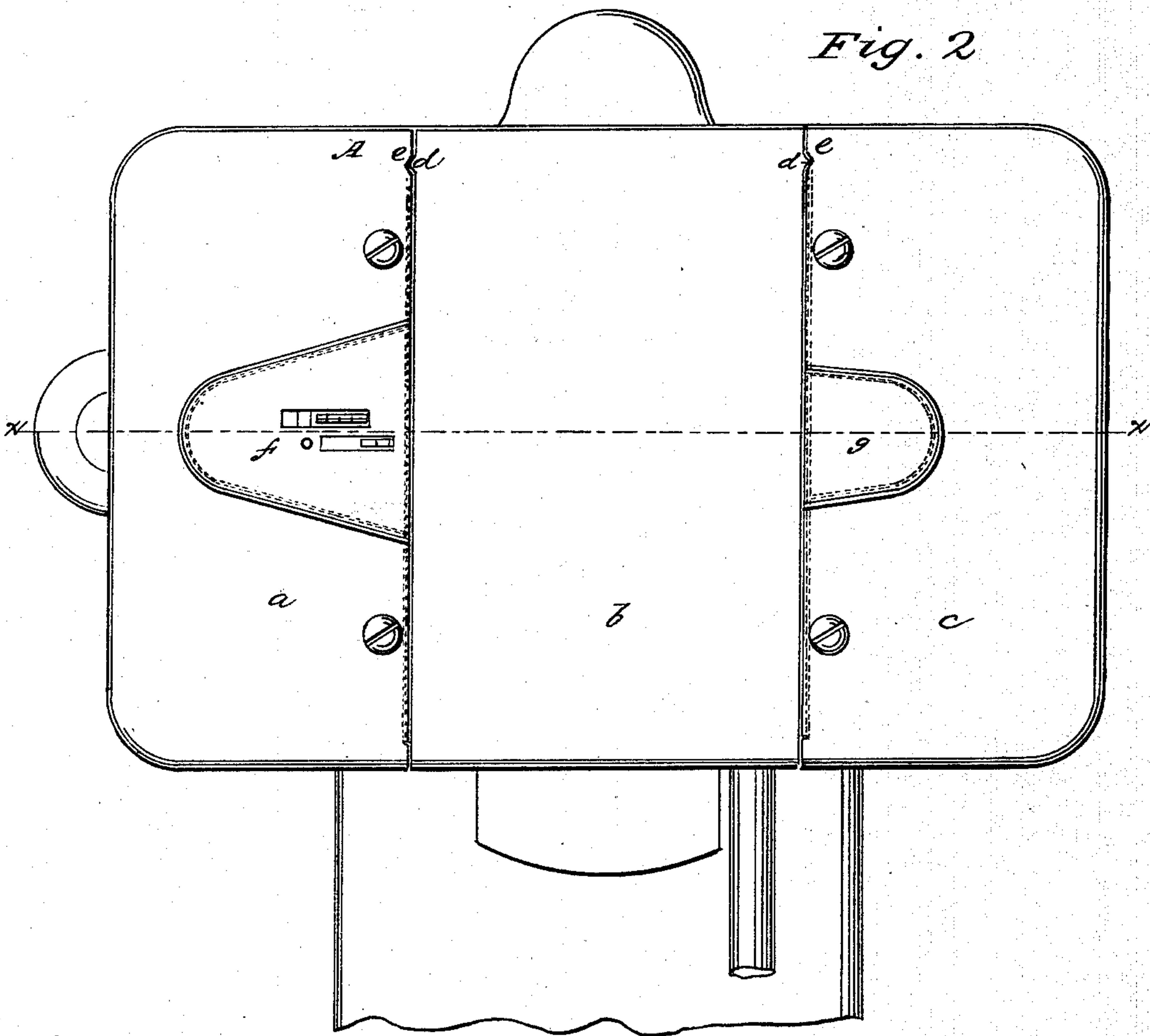


Fig. 2



Witnesses:
Thos Tusk
J. A. Service

Inventor:
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United States Patent Office.

E. H. CRAIGE, OF BROOKLYN, NEW YORK

Letters Patent No. 62,186, dated February 19, 1867.

IMPROVEMENT IN WORK-SUPPORTING PLATE OF SEWING MACHINES.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, E. H. CRAIGE, of Brooklyn, in the county of Kings, and State of New York, have invented a new and useful Improvement in Sewing Machines; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents a transverse vertical section of this invention, the line $x\ x$, fig. 2, indicating the plane of section.

Figure 2 is a plan or top view of the same.

Similar letters of reference indicate like parts.

This invention consists in making the cloth-plate of a Wheeler & Wilson sewing machine in three or more parts, one or more of which are movable, so that by taking off said movable part or parts free access can be had to the feeder and all the parts to be oiled, which in ordinary Wheeler & Wilson machines can only be reached by unscrewing the cloth-plate. That part of the cloth-plate which is situated under the needle consists of a throat-piece inserted in the direction in which the fabric is fed, and held in place by the movable part of the cloth-plate in such a manner that said throat-piece can be readily removed and replaced by another piece, if it should be desirable or necessary.

A represents the cloth-plate of a Wheeler & Wilson sewing machine. This plate is screwed down to the casting below by four screws, and in ordinary machines of this class, in order to get access to the feeder and other parts to be oiled, said four screws have to be taken out and the cloth-plate must be removed. This operation requires much time, and to avoid this loss of time I have made the cloth-plate of my machine in three parts, $a\ b\ c$, the middle part b being fitted in between the outer parts $a\ c$ by a tongue and groove, and held in position by small teeth d dropping in-corresponding notches e , and so arranged that they prevent the movable part being pushed in any further than desirable. By removing this part free access can be had to all parts to be oiled. The part b also forms the key for the tapering throat-piece f , which is inserted and held by tongue and groove in that portion of the cloth-plate under the needle in the direction in which the fabric is fed, so that it is not liable to work loose by the motion of said fabric, and that it can be readily slidden out in a direction opposite that of the feed motion by removing the key b . A similar tapering piece, g , may be fitted in a similar manner in the opposite part of the cloth-plate to afford easy access to other parts to be oiled. By this arrangement much time is saved in the operation or management of a sewing machine of the above class, and the machine can be made with but a trifling addition in its price.

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

1. A cloth-plate of the Wheeler & Wilson sewing machine constructed in three or more parts, the parts to be removed being tongued and grooved substantially as and for the purpose set forth.
2. The throat-piece f constructed as described, so as to be inserted in the cloth-plate in the direction in which the fabric is fed, substantially as and for the purpose described.
3. Holding the throat-piece f in place by the movable part b of the cloth-plate, substantially as and for the purpose set forth.

E. H. CRAIGE.

Witnesses:

WM. F. McNAMARA,

W. HAUFF.