(No Model.)

A. OTTENHEIMER.

CORSET STEEL.

No. 414,567. Patented Nov. 5, 1889.

Fig. 2.

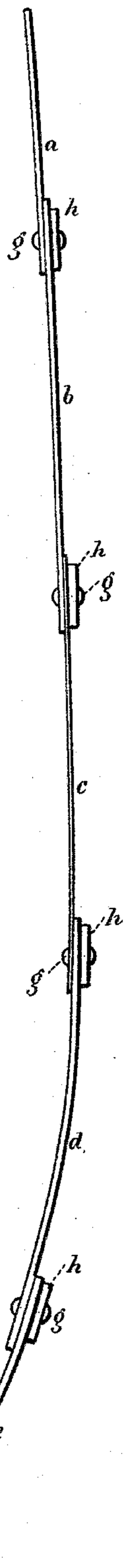


Fig. 1.

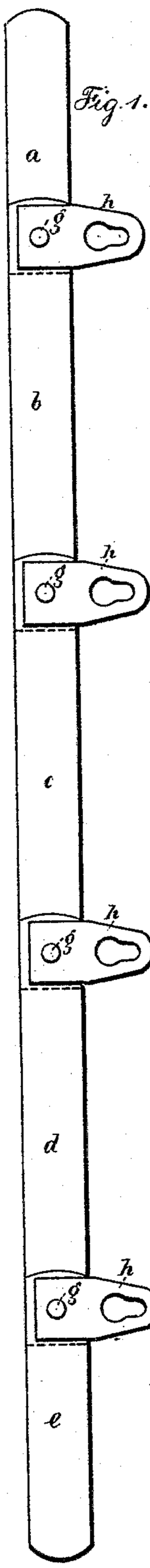
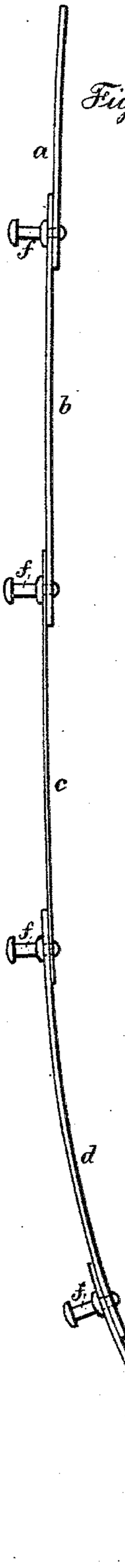


Fig. 3.



Witnesses:
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UNITED STATES PATENT OFFICE.

ALBERT OTTENHEIMER, OF STUTTGART, GERMANY, ASSIGNOR TO OTTENHEIMER BROTHERS, OF NEW YORK, N. Y.

CORSET-STEEL.

SPECIFICATION forming part of Letters Patent No. 414,567, dated November 5, 1889.

Application filed August 28, 1889. Serial No. 322,190. (No model.)

To all whom it may concern:

Be it known that I, ALBERT OTTENHEIMER, of Stuttgart, in the Empire of Germany, have invented a new and useful Improvement in Corset-Steels, of which the following is a specification.

Corset-steels have been made of separate pieces united together; but usually the greatest stiffness has existed at the middle in consequence of the steels being laid one on the other and riveted together. In other instances the separate steels have been held together by wire coils or springs.

In my improvements the end sections or pieces of steel are united by a central flat strip of steel, which is preferably thinner and more elastic than the end pieces, so as not to be so liable to break, and the efficiency of the busks or steels is greatly promoted.

In the drawings, Figure 1 represents by elevation a pair of corset-steels made according to my invention, and Figs. 2 and 3 are side elevations of the respective steels.

My improved corset-steel is made up of the short strips or lengths of steel *a b c d e*. These lengths are lapped and joined together by rivets. I have shown the lengths as lapped and joined together by the stud-rivets *f* on one of the steels and by the rivets *g* of the eye-plates *h* on the other steel, and I remark that corset-steels made up in this manner are as strong or stronger than corset-steels heretofore made, as strength is obtained at the place usually the weakest and most liable to break—viz., across the holes of the rivets—because in my improved steel the metal is lapped and is of double thickness where the rivets are introduced. These short lengths may be of varying thickness, quality, and temper, and I prefer to make the central pieces *c* of thinner material than the others and of a better quality, possessing greater elasticity, and better able to withstand the bending strain which comes at this place adjacent to the waist of the wearer.

I claim as my invention—

The combination, with the eye-plates and stud-rivets, of the corset-steels composed of central and end sections of short steel strips united together by the eye-plates and stud-rivets, substantially as specified.

Signed by me this 13th day of August, A. D. 1889.

ALBERT OTTENHEIMER.

Witnesses:
FR. KARST,
J. BORNHAUSER.