OSCAR WILSON.

Improvement in Iron Fences.

No. 124,105. Patented Feb. 27, 1872.

Fig. 1.

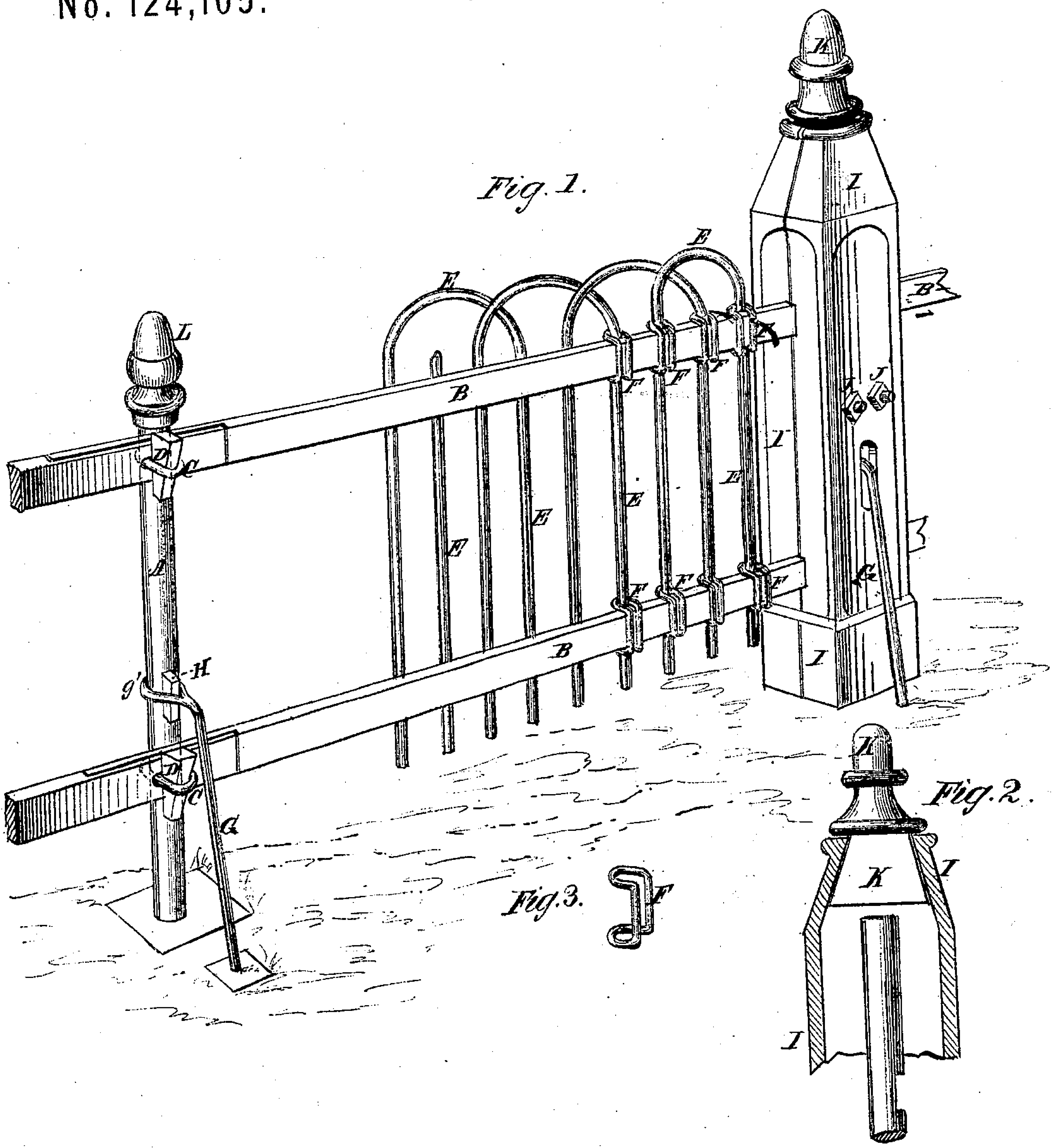
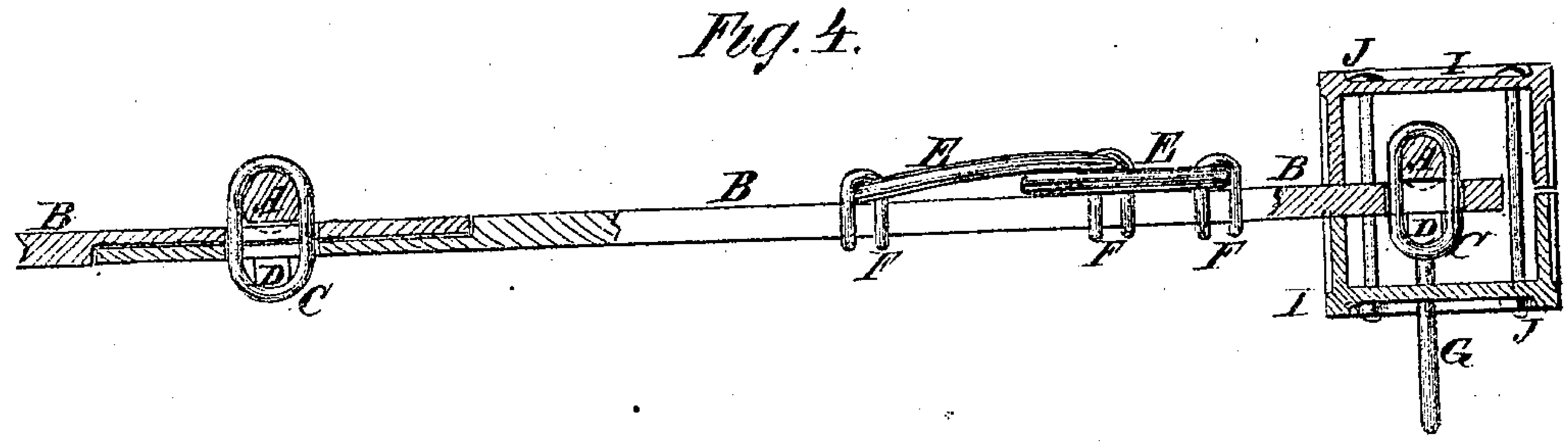


Fig. 2.

Fig. 3.

Fig. 4.



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124,105

UNITED STATES PATENT OFFICE.

OSCAR WILSON, OF MIDDLEBURG, NEW YORK.

IMPROVEMENT IN IRON FENCES.

Specification forming part of Letters Patent No. 124,105, dated February 27, 1872.

Specification describing a new and useful Improvement in Iron Fence, invented by OSCAR WILSON, of Middleburg, in the county of Schoharie and State of New York.

Figure 1 is a perspective view of a portion of my improved fence, showing its construction. Fig. 2 is a detail sectional view of the upper part of one of the posts. Fig. 3 is a detail perspective view of one of the links or clamps. Fig. 4 is a top view of a portion of the fence, partly in horizontal section, to show the construction.

My invention has for its object to furnish an improved iron fence, simple in construction, inexpensive in manufacture, strong, durable, and easily put up; and it consists in the construction and combination of various parts of the fence, as hereinafter more fully described.

A are the posts, which are iron rods, the lower ends of which are designed to be leaded into stone blocks set in the ground. B are the horizontal rails, two or more of which may be used, and which are narrow and thin or round iron bars or rods. The bars B are secured to the sides of the posts A by links C, which pass around the posts A and through slots in the bars B, and are secured in place, clamping the bars B securely to the posts A by wedge-keys D driven through the end of the links C across the outer side of the bars B, as shown in Figs. 1 and 4. The sides of the posts or rods A are flattened or notched to receive the bars or rails B, so that the shoulders or sides of said notches may hold the said bars B from slipping up or down. The ends of the bars or rails B that meet and overlap are halved with square ends and shoulders, as shown in Figs. 1 and 4, so as to support the said bars or rails from sagging, and thus stiffen the fence. In the rougher and cheaper styles of fence the ends of the bars B need not be halved, but may be simply overlapped. E are the uprights or pickets, which I prefer to make of iron rods bent into a U-shape, as shown in Fig. 1. The arms of the uprights or pickets E are secured to the bars or rails B by links F, which cross the bars B, and the ends of which are bent at right angles across the edges of the bars or rails B to receive the rods E, which pass across the other side of said rails as shown in Figs. 1 and 4. By this construction the links F may be made to clamp the bars or rods E firmly by forcing the opposite ends of said links toward each other. G are braces, the lower ends of which are leaded into blocks of stone set in the ground. The braces G are made of iron rods, and their upper ends are bent inward and have eyes or loops g' formed upon them through which the posts A pass, and which are secured to said posts after the fence has been plumbed by wedge-keys H driven through said eyes or loops g' along the sides of the said post A, as shown in Fig. 1. The corner posts, gate-posts, or any desired number of the posts A may be inclosed with a box or case, I, which is made of iron and in two parts, as shown in Figs. 1 and 4. The adjacent edges of the box or casing I are notched to receive and fit upon the rails B. The parts of the box or casing I are secured to each other and to the rails B and posts A by two or more bolts, J, which pass through the said parts across the opposite sides of the post A. K is an ornamental cap or top, the base or shank of which is made larger or of dovetail form to fit into a dovetail space or recess formed between the upper ends of the parts of the box or casing I, as shown in Fig. 2. The tops or caps K are thus held securely in place, and at the same time are held in such a way that they can be conveniently detached at any time by simply loosening the bolts J. L are ornamental tops or caps, which are designed to be attached to the upper ends of such of the posts A as are not boxed or cased. The tops or caps L are made with a hole or cavity in their base to receive and fit upon the upper ends of the said posts A. The tops or caps L are designed to be simply driven upon the ends of the posts A, a piece of tin or sliver of wood being interposed between the said posts and the inner surface of the said tops or caps when required.

Having thus described my invention, I claim as new, and desire to secure by Letters Patent—

1. The metallic-rod posts A, the metallic-rod rails B, and the iron pickets E, all constructed, arranged, combined, and applied together substantially as and for the purpose described.

2. An improved iron fence, consisting of the

posts A, horizontal bars or rails B, links C, wedge-keys D, adjustable braces G g', wedge-keys H, uprights or pickets E, bent links F, box or casing I, dovetailed top or cap K, and top or cap L, said parts being constructed and combined in substantially the manner herein shown and described, and for the purposes set forth.

The above specification of my invention signed by me this 4th day of December, 1871.

OSCAR WILSON.

Witnesses:

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