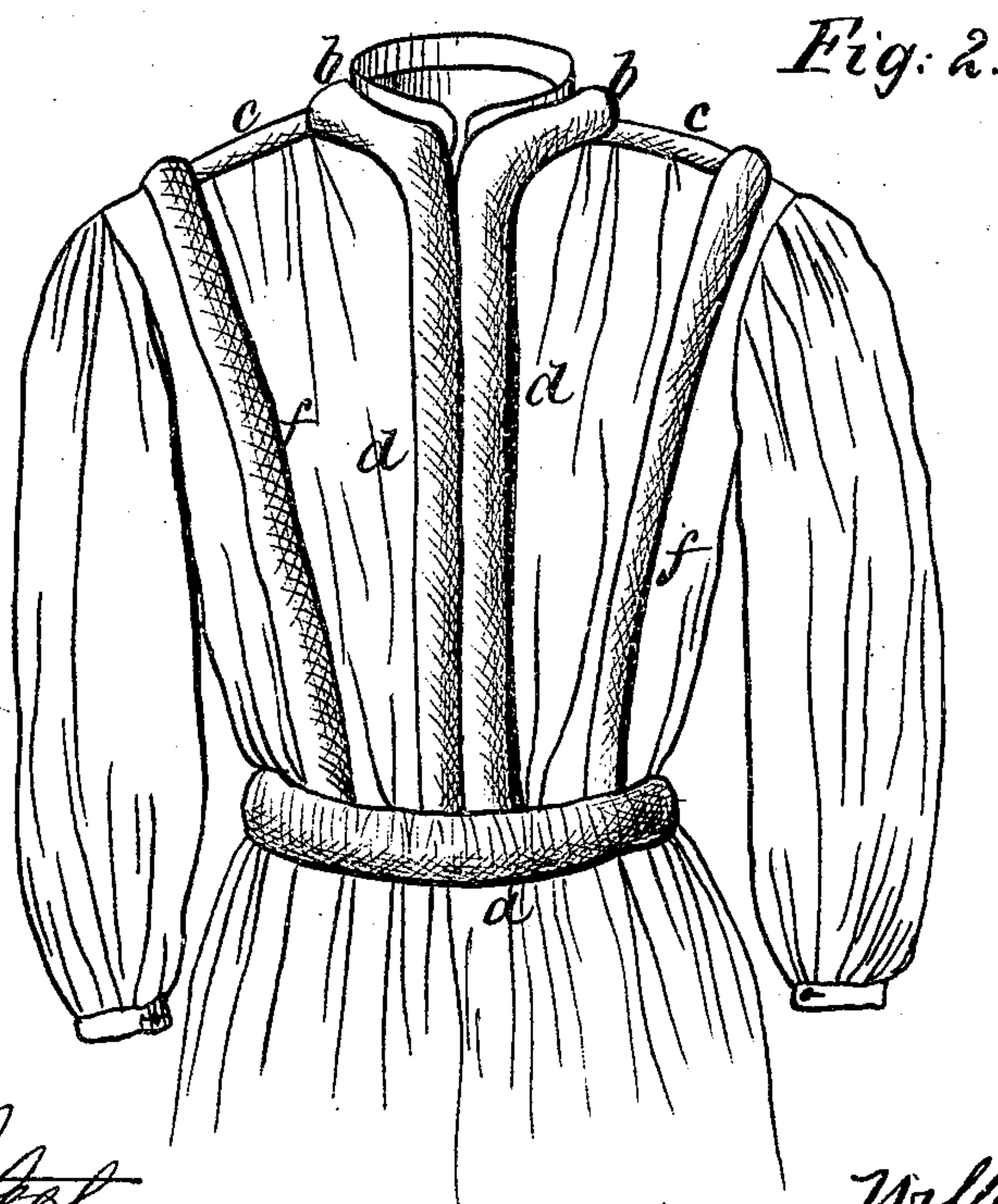


W. Morris.
Life Preserver.
N^o 102,419. Patented Apr 26, 1870.



Witnesses

Wm. H. Lee
John Parker

Inventor

William Morris
by his Atty.
Howe and Son

United States Patent Office.

WILLIAM MORRIS, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 102,419, dated April 26, 1870.

IMPROVEMENT IN LIFE-PRESERVING GARMENTS.

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

I, WILLIAM MORRIS, M. D., of Philadelphia, county of Philadelphia, State of Pennsylvania, have invented an Improved Life-Preserving Garment, of which the following is a specification.

Nature and Object of the Invention.

My invention consists in the combination, as described hereafter, of a series of inflated tubes on a bathing-jacket, coat, or other garment, to be worn on the upper portion of the body, for the purpose of rendering the said garment sufficiently buoyant to enable the wearer to float at the surface of the water, without the freedom of his movements being interfered with.

Description of Accompanying Drawing.

Figure 1 is a view, representing, in the foreground, the figure of a man attired in bathing costume, the upper garment being combined with inflated tubes, in accordance with my invention, and

Figure 2 is a front view of the said upper garment drawn to an enlarged scale.

General Description.

The garment represented in fig. 2, may be supposed to form part of a bathing suit, or it may be an ordinary coat or jacket.

To this garment, from the waist upward, are attached tubes, for the reception of air or other gas, which tubes are so arranged as to form a belt, *a*, at the waist of the garment, a collar, *b*, encircling the neck, epaulets *c*, straight portions *d* extending from the collar to the belt, both in front and behind, and other straight portions *f* extending from the belt up to and over the shoulders.

When used in connection with bathing garments, the inflated tubes can be so colored or covered with a fabric differing in color from that of the garment as to form part of the ornamentation of the latter, but for ordinary coats or jackets, to be worn on a sea voyage for instance, the tubes may be attached to the inner lining of a coat or concealed in any suitable manner.

Inflated tubes when thus permanently attached to and combined with a garment, possess the great advantages over the ordinary life-preserving belts, that they are not liable to slip downward toward the wearer's feet, but are always in a position to buoy up the head and upper portion of the body, while the freedom of the wearer's movements is not in the least interfered with. The tubes also remain inflated and are always ready for use, and they occupy less room, and interfere less with the comfort of the wearer, when out of the water, than any of the usual life-preserving appurtenances, which generally cover, or nearly cover, the body, and, containing only a single compartment, are rendered useless in case of a leak occurring at any point.

Claim.

The combination with a garment of air-tight tubes *a b c d e f*, arranged as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM MORRIS, M. D.

Witnesses:

FRANK B. RICHARDS,
HARRY SMITH.