

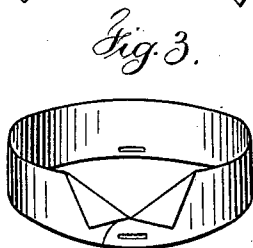
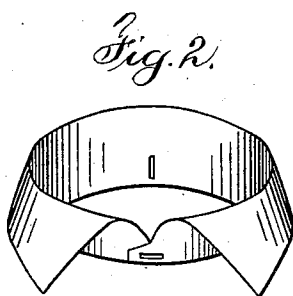
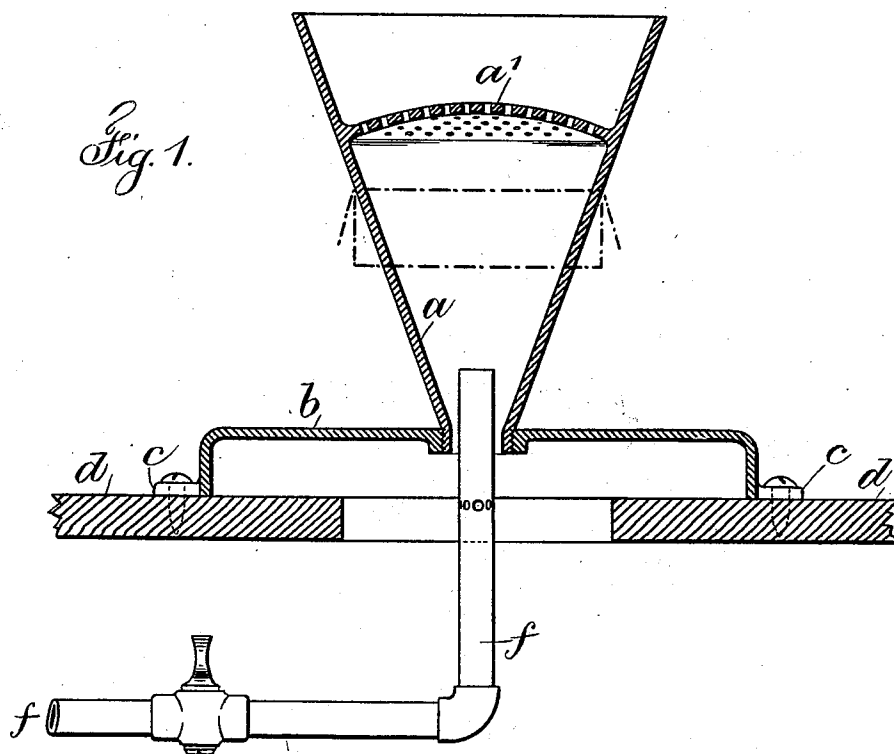
(No Model.)

A. C. VAIL.

DEVICE FOR SHAPING FOLDS OF LINEN COLLARS.

No. 521,061.

Patented June 5, 1894.



Witnesses

Chas. N. Smith
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Inventor

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UNITED STATES PATENT OFFICE.

ANTHONY C. VAIL, OF PLAINFIELD, NEW JERSEY.

DEVICE FOR SHAPING FOLDS OF LINEN COLLARS.

SPECIFICATION forming part of Letters Patent No. 521,061, dated June 5, 1894.

Application filed April 16, 1894. Serial No. 507,623. (No model.)

To all whom it may concern:

Be it known that I, ANTHONY C. VAIL, a citizen of the United States, residing at Plainfield, in the county of Union and State of New Jersey, have invented a new and useful Improvement in Devices for Shaping the Folds of Linen Collars, of which the following is a specification.

In laundering collars they are ironed out flat and are afterward folded, the "turn down" collars being preferably creased before being folded. Heretofore these "turn down" collars have generally been ironed on the inside after being folded to compact the fold and to impart the necessary circular form to the collar, and because of the stiffening in the collar the fabric surface at the fold is very liable to crack under the iron. The same remarks apply to collars having "turn over" ends.

The object of my invention is to reduce to a minimum the liability of cracking the fabric and at the same time to shape the fold evenly and smoothly so that the appearance is not injured.

In carrying out my invention I employ an inverted hollow cone or funnel of metal, a base for supporting the same and from which said cone rises, and an internal gas burner for heating the hollow cone as desired. The collar after being folded is pressed upon the inner folded edge around and against the surface of the heated cone to smooth and compress the fold, but not to such an extent as to injure the fabric. It is preferable to moisten the collar where the fold is to be made, the heated cone thereafter acting to dry the linen. The portion of the surface of the heated cone that is employed depends upon the size and curvature of the collar or portion of the collar operated upon.

In the drawings, Figure 1 is a vertical section of my improvement with dotted lines showing the location of a collar. Fig. 2 shows a "turn over" collar, and Fig. 3 shows a collar with turned over points.

a represents the inverted hollow open ended metal cone, and *b* the metal base to which the lower end of the hollow metal cone is se-

cured, and the base *b* is provided with foot pieces *c* by which it is secured to the top of a table or work bench *d*. A gas pipe *f* passes through the table or work bench *d* and into the lower end of the hollow metal cone *a*, and said pipe is preferably perforated to provide for a Bunsen flame within the cone, and I prefer to employ a perforated diaphragm *a'* across within the hollow cone to confine the heated gases and increase the efficiency of the device, and the exterior surface of the inverted hollow metal cone *a* is to be true, smooth and polished and any desired degree of heat can be obtained by increasing or decreasing the size of the gas flame. The "turn down" collars such as shown in Fig. 2 are ironed out flat, then creased and moistened along the line of the fold, then folded, and after being folded are grasped at the button-hole ends by the hands and placed over and drawn around the heated cone *a* at a point that circumferentially agrees approximately with the size of the collar. The collar is drawn around the said heated cone tightly and held there for a few moments or long enough to dry the linen at the fold and press the parts smooth and even, and the detrimental compression and sharpness usually given to the fold by ironing is avoided by using my improvement.

The collar with turn down ends such as shown in Fig. 3, is ironed out flat and the line of fold is moistened and then turned over and the short length of fold is then brought around the smaller part of the cone and pressure applied to smooth and compact the fold.

In Fig. 1, I have shown by dotted lines a "turn over" collar such as is shown in Fig. 2 in position as held around the heated cone.

In using my device it is practically impossible to injure the fabric of the collar and the work of laundering collars is accomplished more expeditiously and with greater satisfaction to the customer than where the folds are ironed.

I claim as my invention—

1. The combination with a base, of an inverted hollow open ended cone of metal con-

nected to and rising from said base, and a gas burner rising within said cone, substantially as set forth.

5 2. The combination with a base, of an inverted hollow open ended cone of metal having a perforated diaphragm extending across within the same, the said cone being connected to said base at its lower end and rising

therefrom, and a gas burner entering the open lower end, substantially as set forth. 10

Signed by me this 13th day of April, A. D. 1894.

A. C. VAIL.

Witnesses:

GEO. T. PINCKNEY,
HAROLD SERRELL.