

Oct. 23, 1923.

1,471,891

C. M. GOUGH

PRESSING PAD

Filed April 14, 1922

Fig. 1.

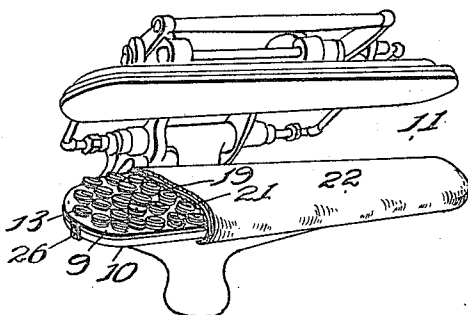


Fig. 2.

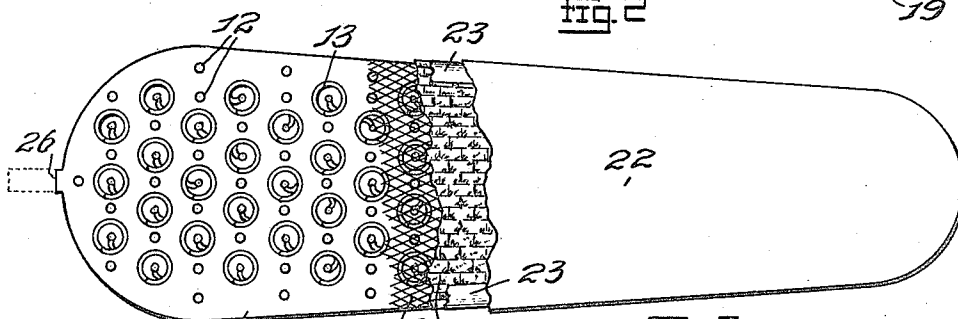


Fig. 3.

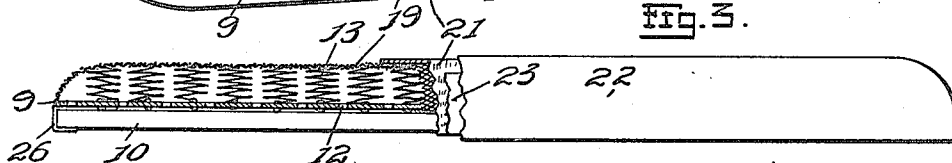


Fig. 4.

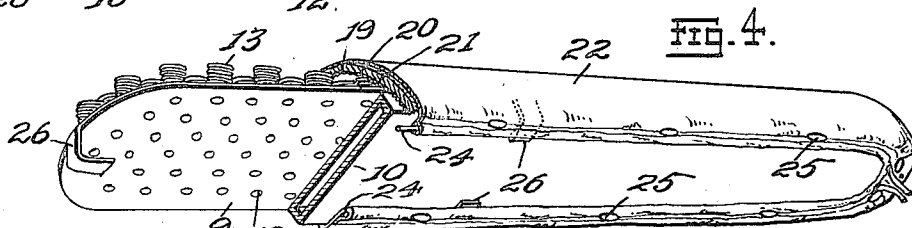


Fig. 5.

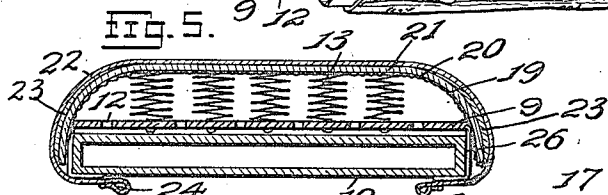


Fig. 6.

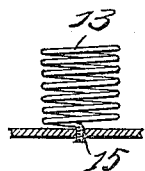
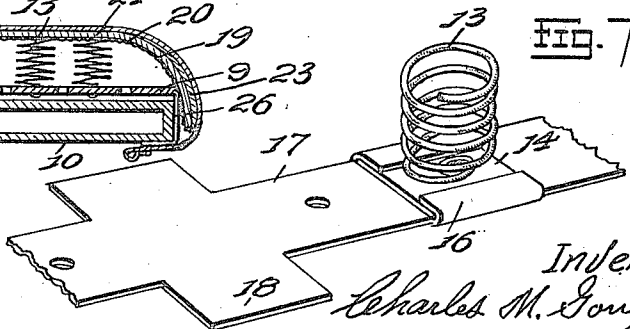


Fig. 7.



Inventor
Charles M. Gough

Patented Oct. 23, 1923.

1,471,891

UNITED STATES PATENT OFFICE.

CHARLES M. GOUGH, OF EAST ST. LOUIS, ILLINOIS.

PRESSING PAD.

Application filed April 14, 1922. Serial No. 552,462.

To all whom it may concern:

Be it known that I, CHARLES M. GOUGH, a citizen of the United States, and resident of East St. Louis, Ill., have invented certain new and useful Improvements in Pressing Pads, of which the following is a specification.

This invention relates to improvements in a pressing pad, and has for its object a pad constructed of a base plate, a resilient body built thereon, the upper casing of the resilient body being of reticulated material and a covering of asbestos cloth or other analogous material otherwise placed over the reticulated material. The combined structure may be then placed on a buck or pressing table of a pressing machine and firmly held thereon by placing the ends of the outer covering under the buck or table and tightly bound thereon by a draw string or a lacing means.

A further object of my invention is to construct a resilient pad to be used in connection with a cloth pressing machine, the said pad being so constructed as to give proper resiliency during the pressing process, at the same time to provide proper drying qualities and to remove the moisture during the pressing process as well as to create a vacuum beneath the covering.

Figure 1, is a perspective view of a pressing machine showing my pad in position on the table thereof.

Fig. 2, is a top plan view of my improved pad with a part broken away showing the internal structure.

Fig. 3, is a side view of the same with parts broken away.

Fig. 4, is a detail perspective view of the pressing pad in position on the table with a part of the covering and reticulated material broken away.

Fig. 5, is a detail cross-sectional view of the pad and table showing the same in position thereon.

Fig. 6, is a detail sectional view showing the several layers of the covering.

Fig. 7, is a detail perspective view of one of the springs made use of showing the same in detachable position.

Fig. 8, is a side view of one of the springs showing a modification of the attachment.

The general construction of my invention consists of a supporting base plate 9, the same being of some non-corrosive material so as to prevent rusting and corroding on

account of moisture which is brought in contact therewith.

The base plate is constructed of a size to correspond with the pressing buck or table 10, which forms a part of a cloth pressing machine 11.

The plate is provided at intervals with perforations 12 through which steam and air may pass and circulate, and also through which the moisture may pass out from the interior of the pad structure.

On the surface of the plate and at suitable intervals are attached in any desirable manner springs 13, the bottom end of each spring is firmly attached to the plate, by attaching the one end to a small base plate 14 by straightening out the end as indicated by the numeral 15, and screwing it into a screw-threaded opening formed in the plate.

The springs when attached to the plate 14, are held between clamping loops 16, the same being a part of a strip 17, which strip may be attached to the base plate in any desirable manner and located at suitable intervals apart and the ears 18, which are formed thereon or turned up and around as shown in Fig. 7, forming the loop 16, permitting the spring plate 14 to be inserted in position and held therein, this is done in the event any one or number of the springs become broken or its efficiency destroyed.

The buck or table on which the pad is designed to be placed is constructed to be heated either by steam, electricity or otherwise, and when the garment to be pressed is placed on the pad, the heat unit is brought in contact with the same, the steam from the moisturing process will have a tendency to pass through and out of the pad caused by a vacuum formed therein, thoroughly drying the garment at the same time keeping the covering of the pad dry, the moisture passing from the pad through the perforations formed in the bottom.

The covering consists of placing over the bed of springs preferably two layers of screen or reticulated material 19, over the top of the reticulated material is placed a thin sheet of asbestos 20, and over the top of the asbestos sheet is placed a knitted pad 21, which is of considerable thickness, and over the top of this pad is placed the ordinary covering 22 which is so arranged and so designed as to be removed at will for washing the same when it becomes soiled.

In order to create a proper vacuum on the

inside of the pad I place on the edges and between the knitted pad 21, and the outer covering 22 a strip of impervious material 23 which is in the form of an oil-cloth, rubberized material or the like.

The outer covering is held in position over the pad and passed under the buck or table 10, and is brought in tightened position by means of a draw string 24 or a lacing means zig-zagged across from one eyelet 25 to the other. The mode of fastening is optional.

The base or pad plate 9, is provided on each end and each side with an arm 26 preferably constructed of the same material or separately riveted thereto and these arms are so arranged as to be brought under the buck or table so as to assist in holding the plate thereon and prevent the same from shifting out of set position.

The principal and essential feature of my invention is to construct a pad having a perforated base plate on which is mounted a plurality of springs with a covering of reticulated material and an additional covering of fabric and then this structure is to be placed in position on the buck or table of a pressing machine.

Having fully described my invention what I claim is:

1. A pressing pad comprising a perforated base plate; springs located at suitable intervals and mounted on the base plate, a covering placed over said springs, said covering comprising a layer of reticulated material, a sheet of asbestos, a sheet of padding, an outer covering, and a strip of impervious material placed on the edge of the padding and located between the padding and outer covering, substantially as specified.

2. A pressing pad of the character described comprising a base plate, springs placed on the base plate and located at suitable intervals apart, a covering placed over the springs and integral projections formed on the ends and sides of the base plate by which the base plate may be clamped to the ironing machine, substantially as specified.

3. A pressing pad comprising a base plate arranged to be placed on the top of the buck of an ironing machine, projections formed on the plate for clamping same to the buck, a plurality of coil springs attached to the base plate, a covering of reticulated material placed over the springs and extending to the edge of the base plate, a layer of asbestos material placed on the top of the reticulated material, a knitted pad placed over the layer of asbestos, a strip of impervious material placed around the edge of the knitted pad, and an outer covering placed over the impervious strip and the knitted pad.

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

CHARLES M. GOUGH.

Witnesses:

WILLIE BROWN,
DAISY L. GREEN.