Nov. 18, 1924. 1,516,182

C. M. GOUGH

PRESSING PAD

Filed April 8, 1921

Fig. 1

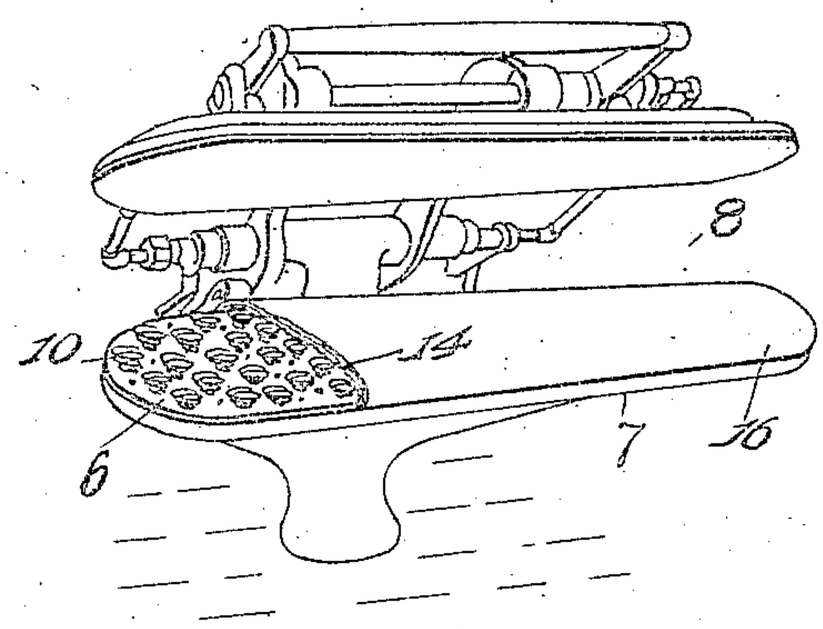


Fig. 2.

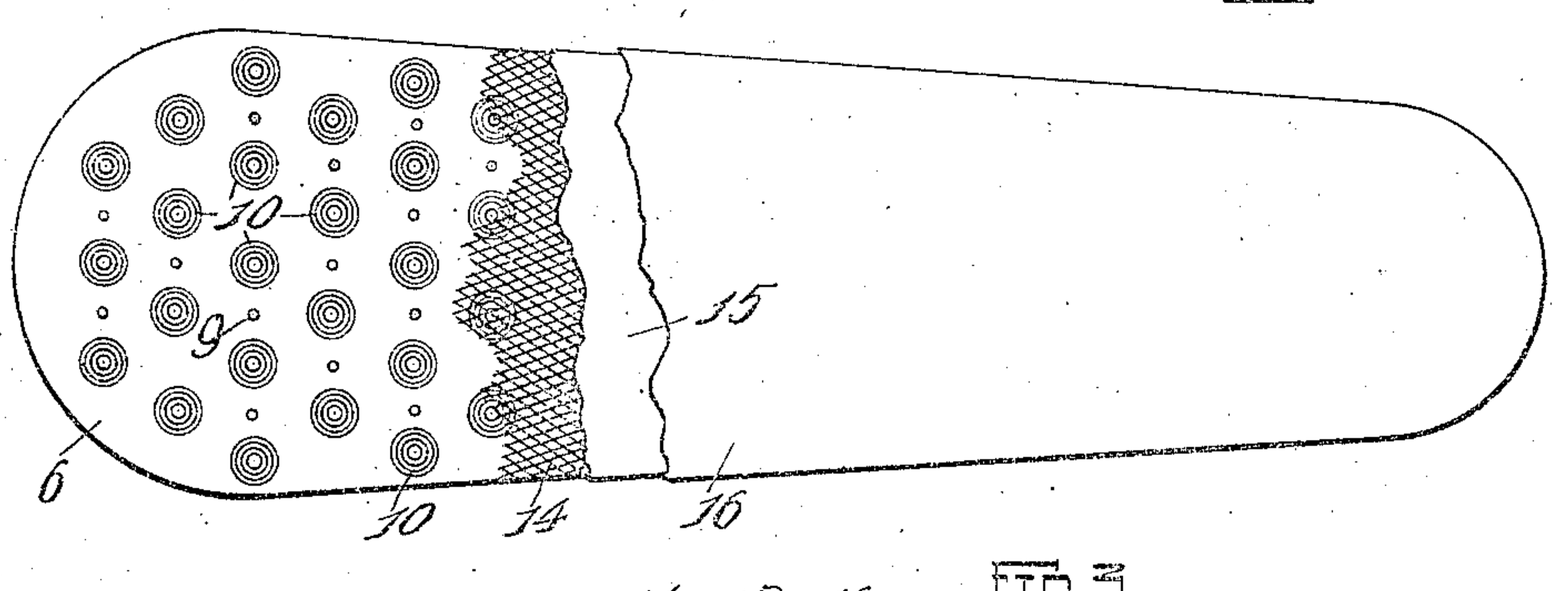


Fig. 3.

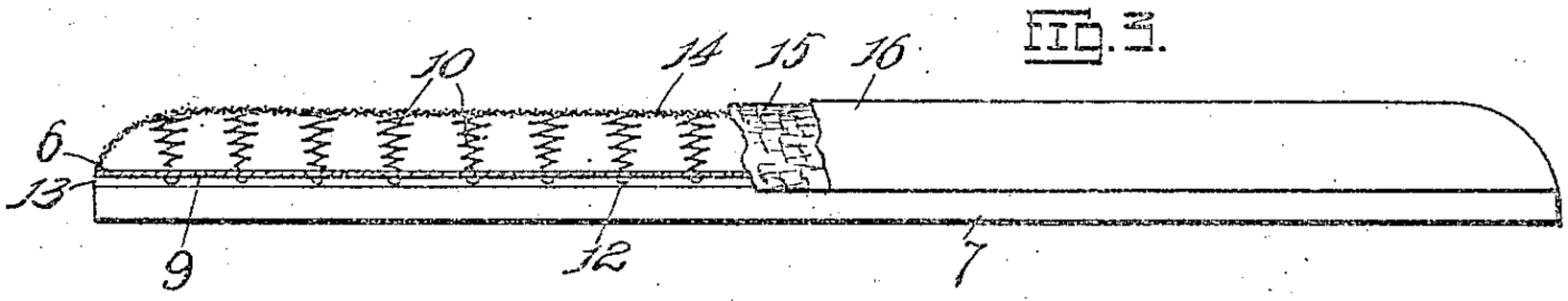


Fig. 4.

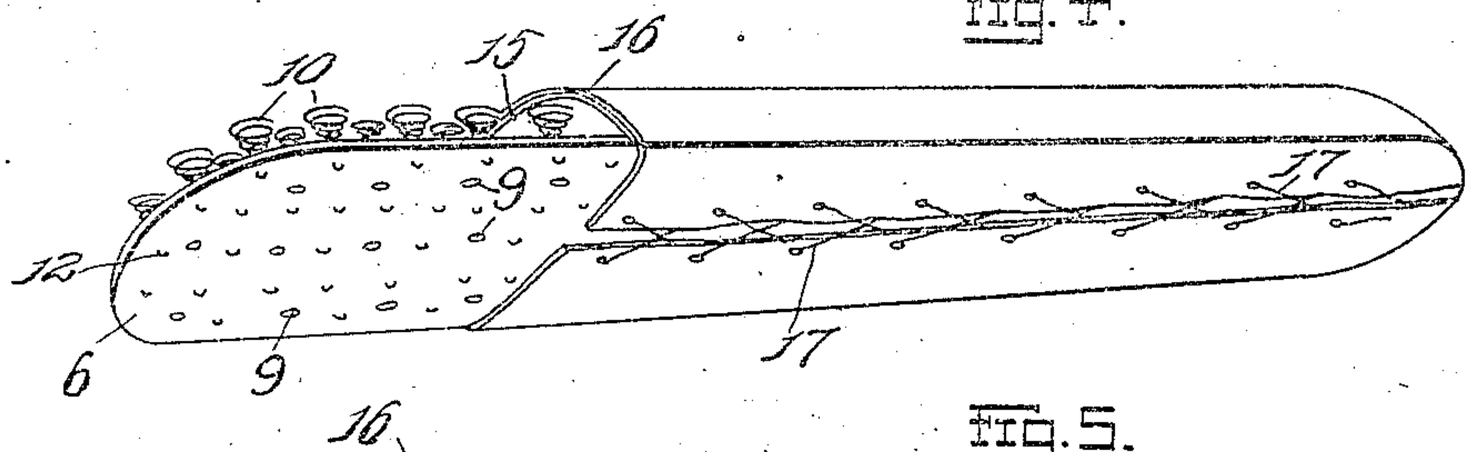
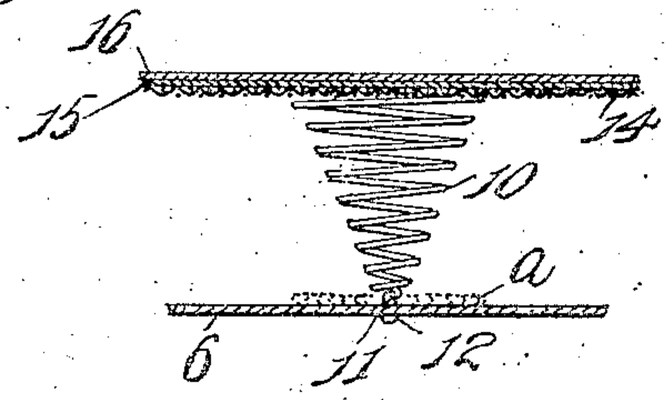


Fig. 5.



Inventor

Charles M. Gough.

Patented Nov. 18, 1924. 1,516,182

UNITED STATES PATENT OFFICE.

CHARLES M. GOUGH, OF EAST ST. LOUIS, ILLINOIS, ASSIGNOR, BY DIRECT AND MESNE ASSIGNMENTS, TO CHARLES E. HAMILTON, OF NEW YORK, N. Y.

PRESSING PAD.

Application filed April 8, 1921. Serial No. 459,629.

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, Illinois, have invented certain new and useful Improvements in a Pressing Pad, 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 a reticulated material and a covering of cloth or otherwise placed over the reticulated material and over the base plate and held in position by means of lacing or the like. This combined structure may be then placed on the pressing arm or table of a pressing machine which is used for the purpose of pressing clothing.

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.

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 an 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 with a part of the covering and reticulated material broken away.

Fig. 5 is a detail cross-sectional view of a portion of the pad showing the structural relation of the springs with the plate and covering.

The general construction of my invention consists of a supporting base plate 6, the same being of some non-corrosive material so as to prevent rusting and corroding on account of moisture being brought in contact therewith.

This base plate is constructed of a size to correspond with the pressing table 7 which forms a part of a cloth pressing machine 8.

The plate is provided at intervals with perforations 9 through which air may pass and circulate and also through which the moisture may pass out from the interior of the pad.

On the surface of the plate and at suitable intervals are placed springs 10, the same being preferably constructed helical in form, the apex being at the bottom and firmly attached to the base plate by means of a rivet 11 or other suitable fastening device, the head 12 of the rivets or fastening devices acting as a suitable spacer between the bottom of the plate and the top of the table. This space being indicated by the numeral 13, which space acts as a circulating passage.

The largest coil of the helical spring is at the top and over these springs is placed a covering of reticulated material 14 such for example as screening of non-corrosive material, and over this covering of reticulated material is placed a covering of fabric 15, and over this cover is placed a second covering of fabric 16, which is either of cloth, felt or other suitable or appropriate material.

The springs may be of straight formation but it has been found more practical to make the spring in the form of a helix so that during the pressing process the springs when being compressed will lie down and be of a more flat formation as that indicated by the dots "*a*" in Fig. 5, than if the spring were perfectly straight permitting each coil to rest or pile upon the other.

The 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 and the same moistened before the heated unit is brought in contact with the same the steam which arises will have a tendency to pass through the pad and out through the bottom through the perforations and thereby more readily dry the garment.

The covering 15 and 16 is so constructed as to lay under the base plate 6 and is connected together by means of lacing as that indicated by the numeral 17.

The springs in the pad are so located as to give a proper uniform downward movement to the pad when pressure is exerted thereon.

The principle and essential feature of my invention is to construct a pad having a perforated base plate on which is attached a plurality of helical springs with a cover-

ing of reticulated material and an additional covering of fabric and then this structure to be placed in position on the table or pressing arm of a pressing machine.

Having fully described my invention what I claim is:

1. A pressing pad comprising an independent perforated base plate of non-corrosive material, springs located at suitable intervals and attached to said base plate, a covering of reticulated material placed over said springs and a covering of fabric placed over the first mentioned covering and held in position beneath the base plate, substantially as specified.

2. A pressing pad of the character described comprising an independent perforated base plate, a covering of pervious material placed on top of said base plate, a plurality of conical helical springs placed between the plate and the covering, said springs attached at their apex to said plate and a fabric covering placed over the pervious material, substantially as specified.

3. A pressing pad comprising a perforated non-corrosive base plate, a plurality of conical helical springs attached to the base plate, a covering of pervious material placed over the springs and a covering of several layers of fabric placed over the pervious material, substantially as specified.

4. A pressing pad of the character described comprising a non-corrosive perforated base plate, a plurality of conical helical springs arranged with the apex down and attached to the plate, a covering of pervious material placed over the springs and in contact with the upper largest coil of the conical helical springs, a covering of several layers of fabric placed over the pervious material, the ends thereof being laced together beneath the plate, substantially as specified.

5. A unitary resilient supporting member for use with an ironing pad, comprising a supporting base plate, and a plurality of springs rigidly secured at one end to the plate over the surface thereof, the other end of the springs being free and adapted to support the pad.

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

CHARLES M. GOUGH.

Witnesses:

ALFRED A. EICKS,

B. M. MANNE.