

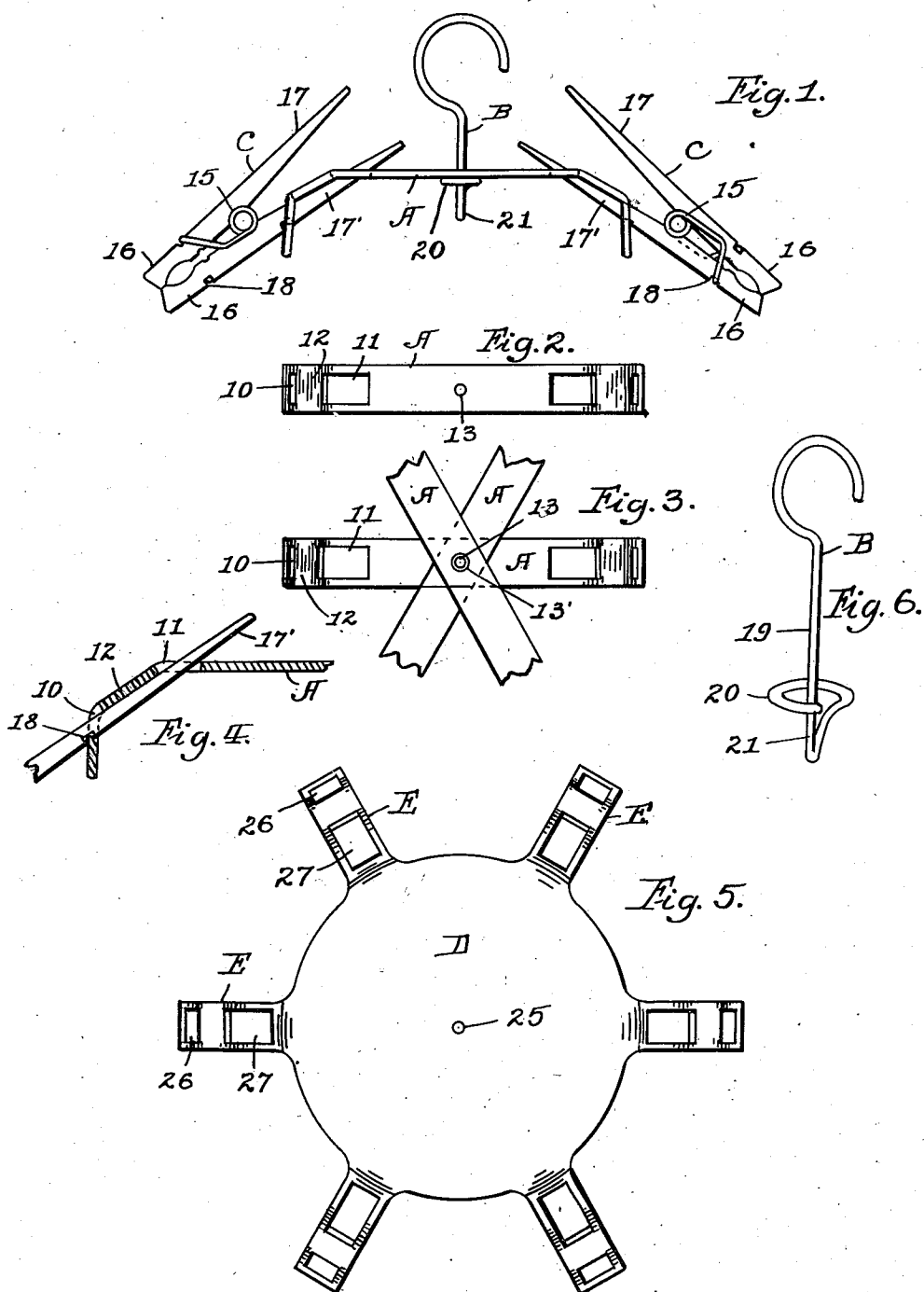
April 14, 1942.

C. F. PEASE

2,279,760

HANGER

Filed Feb. 10, 1941



INVENTOR.
Charles F. Pease,
BY *E. Bradbury*
Attorney.

UNITED STATES PATENT OFFICE

2,279,760

HANGER

Charles F. Pease, Pasadena, Calif.

Application February 10, 1941, Serial No. 378,275

3 Claims. (Cl. 211-113)

This invention relates to improvements in hangers for supporting clothing and other objects. More particularly this invention relates to a hanger in which a plurality of clothes pins of spring clip type are held by a frame which is provided with socket openings in which a member of each clip is inserted and locked securely in outstanding position.

The primary object of this invention is to provide a hanger of maximum simplicity and inexpensive construction, which is adapted principally although not exclusively for household use and by which articles supported thereby are readily attached or detached. A further object is the production of a hanger by which the articles supported thereby are held securely in separated condition from each other so as to provide free circulation of air to promote drying. Among further objects is to provide a hanger which will not discolor nor damage articles which are supported thereby and which can be easily assembled for use or knocked down and packed in a compact package for shipping.

For lack of suitable space it is usually found inconvenient to employ a clothes line for supporting articles such as clothing while drying or storing in a room. By the use of my invention the use of a clothes line is obviated and the articles can be suspended from any convenient support in a minimum of space. Also when not in use the hanger can be stored away. Other objects and advantages will be apparent from the following description.

In the drawing forming part of this specification, Fig. 1 is a side elevation of my improved hanger showing a single arm support; Fig. 2 is a plan of the single arm support shown in Fig. 1, when the hook support and spring clips are removed; Fig. 3 is a fragmentary plan showing a plurality of the supporting arms assembled in readiness for the hook support to be attached; Fig. 4 is a detail showing a portion of one of the supporting arms in central longitudinal section and a portion of one of the spring clips attached longitudinally thereto through the flexed portion thereof; Fig. 5 is a plan showing a modified construction of the supporting frame for the spring clips, and Fig. 6 is a perspective view of the hook support which may be used with my improved hanger.

In the drawings, the frame of my improvement as disclosed in Figs. 1 to 4 is composed of a plurality of main supporting horizontal arms such as A, each of which consists of a flat strip of metal or other suitable material flexed down-

wardly and outwardly at each of its opposite ends. Each end is provided with a pair of longitudinally disposed socket openings 10 and 11 and a transverse shoulder piece 12 between each pair of openings for the purposes hereinafter described. One or any number of the main supporting arms A may be employed to which the hook support B is removably attached through the median portion thereof and by which the frame may be fastened to any suitable supporting object in a room or elsewhere. As shown in Fig. 3, three of the arms A are arranged substantially equally distanced apart circumferentially on the hook support B, said arms having centrally disposed coinciding perforations such as 13 through which a gammet ring 13' is secured to hold the arms together. In use the hook support is secured through the gammet ring. Each end of each supporting arm is adapted to support a clothes clip such as C, in downwardly and outwardly slanting position. This clip is of usual construction such as is used for fastening clothes on a clothes line. The clip has the usual pair of broad flat lever arms fulcrumed upon and secured to a coil spring 15 which has its ends anchored thereto in the usual manner so as to form a pair of spring closed jaws 16 on one end of the spring and a pair of spring actuated spaced operating lever arms 17-17' on the opposite portion of said spring. When the lever operating arms are released and spread apart by the spring, jaws 16 are adapted to close and clamp any object placed therebetween and when the lever arms are compressed the jaws are opened apart, thus releasing any object which may have been held thereby. The lower lever arm 17' of a clothes clip such as described is inserted longitudinally through the pair of socket openings 10, and 11 below the shoulder piece 12, said connection being closely fitted so as to assist in retaining the clip with its jaw end radiating outwardly and the body of the clip slanting longitudinally outwardly and downwardly. The socket openings thus provide a tight fitting slip joint in which the lower arm of the clip is removably inserted. In this manner the clip will hold any article outwardly in free position. The rectangular shape of the socket openings, provides a close fitting engagement for the lower arm 17' of the spring clothes clip and serves to restrain the clip from canting or swiveling in the main supporting arm. In this manner the clip is held rigidly and prevented from canting or swiveling in use. The articles supported by all of the clips are thus spaced circumfer-

entially apart to provide free circulation of air and most effectively promote drying. The lower arm 17' of the clip is securely locked in the supporting member A by a spring interlocking connection produced by a transverse notch 18 in the lower member 17' in which the lower edge of the opening 10 in the supporting member A snaps into engagement when the lower member 17' is inserted in the openings 10 and 11. The lower end of the shank 19 of the hook support B is formed with a comparatively large horizontal convolution 20 which functions as a support for retaining arms A from tilting out of horizontal position and with a downwardly extending loop 21 which acts as a handle to facilitate the user in adjusting the hanger on a support.

The frame composed of a plurality of the arm members A may when desired be formed as an integral unit as shown in Fig. 5, in which the body D having the central support receiving opening 25 is provided with a plurality of radiating arms E flexed outwardly and downwardly. These arms have the slip joint pairs of clip arms receiving openings 26 and 27 in which the clips such as C are adapted to be secured by their lower arms in a manner similar to that provided by the construction shown in Fig. 1. Various other modifications are contemplated within the spirit of the invention and within the scope of the following claims. When not in use the supporting hook can be easily removed through the opening 13 for convenience in storing, packing and shipping.

I claim:

1. A hanger of the class described, consisting of a main supporting arm having a downwardly

extending flexed end and a pair of aligned socket openings through the body and flexed portions thereof, a spring clip having an arm member insertable through said socket openings to support the clip in outwardly and downwardly slanting position, and an upwardly extending hanger support from the body portion of said main supporting arm, said main supporting arm and the arm member of said clip having an interlocking catch cooperating with said socket openings to retain the clip through said socket openings.

2. A hanger of the class described, consisting of a main supporting arm having a downwardly extending fixed end and a pair of aligned socket openings through the body and flexed portions thereof, and a spring clip having an arm member insertable through said socket openings to support the clip in outwardly and downwardly slanting position, the arm member of said clip which is insertable through said socket openings having a notch in which an edge of one of said socket openings is adapted to snap into engagement under the spring tension of the flexed end of said supporting arm to hold the clip adjusted through said openings.

3. A hanger of the class set forth, consisting of a main supporting arm having a downwardly extending flexed end and a pair of aligned rectangular socket openings through the body and flexed portions thereof, and a spring clip having a broad flat arm member insertable through said rectangular socket openings in outwardly and downwardly slanting position and restrained from canting or swiveling thereby.

CHARLES F. PEASE.