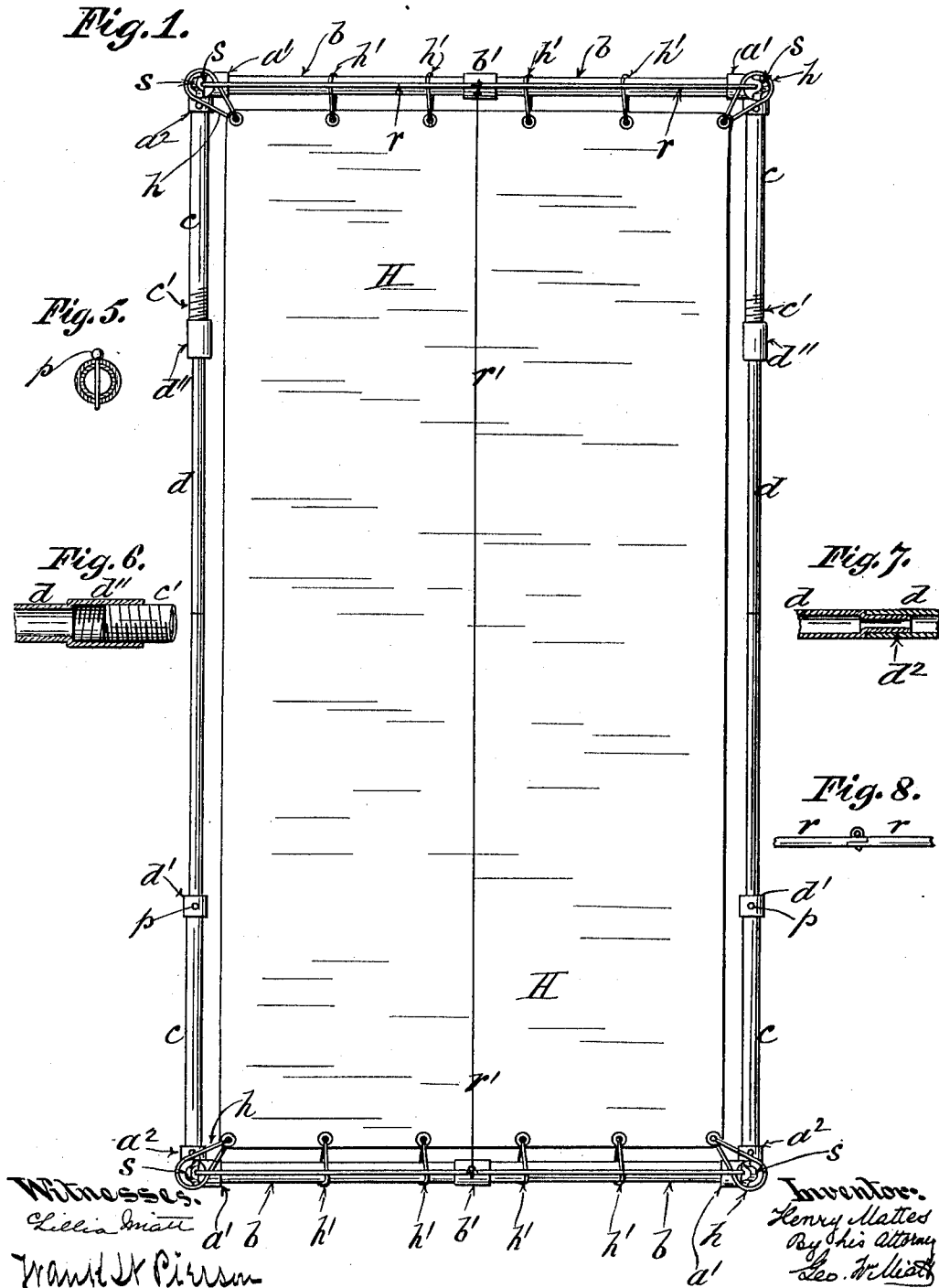


PORTABLE COT.

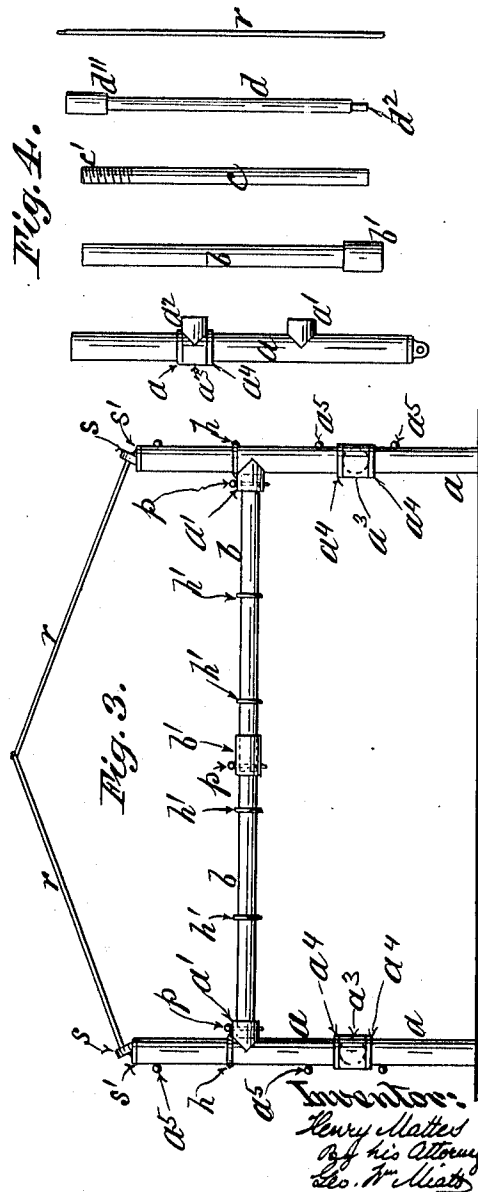
1,020,998.

2 SHEETS—SHEET 1.



APPLICATION FILED MAR. 27, 1911.

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UNITED STATES PATENT OFFICE.

HENRY MATTES, OF NEW YORK, N. Y.

PORTABLE COT.

1,020,998.

Specification of Letters Patent.

Patented Mar. 26, 1912.

Application filed March 27, 1911. Serial No. 617,046.

To all whom it may concern:

Be it known that I, HENRY MATTES, a citizen of the United States, and a resident of the borough of Manhattan, city, county, and State of New York, have invented certain new and useful Improvements in Portable Cots, of which the following is a specification.

My invention is designed to afford a detachable, portable cot frame of light weight but exceptional strength especially adapted to meet the requirements of travel and transportation,—one that may be conveniently carried upon the person in case of necessity, as by hunters, soldiers and others who have to camp out in the open.

The invention consists in the specific construction and arrangement of parts herein described and claimed whereby said parts may be nested together to economize space and facilitate transportation, all as hereinafter more fully set forth.

In the accompanying drawings, Figure 1, is a plan of my improved portable cot; Fig. 2, is a side elevation of my improved portable cot frame; Fig. 3, an end view of the same; Fig. 4 shows the parts detached and in the order in which they are "nested" or inserted one within the other; Fig. 5, is a cross section of one of the slip joints; Fig. 6, a sectional view showing the screw joint; Fig. 7, a sectional view of one of the central side joints; Fig. 8, a view of the joined ends of the canopy rods.

In my construction and arrangement of parts I utilize suitable metallic tubing of different diameters so that the several parts may be nested one within the other when desired; and with this object in view I find it most expedient to use the end posts a , a , as receptacles,—the sections of the frame work being divided into four sets. Thus each end post a , will accommodate a transverse end tube b , the latter will receive a side extension c , into which an intermediate section d , fits.

By way of illustration (it being understood that I do not limit myself to dimensions in this respect) we will suppose that each of the four end posts a , is made of

tubing of one and one half inch diameter, the transverse end tubes b , of one and one quarter inches diameter, the side extension tubes c , of one inch diameter, and the intermediate sections d , of three-eighths of an inch diameter. Obviously if the thickness of the metal used does not exceed one fourth of one inch these tubes may be telescoped into one another in the order named, and this is the whole gist and principle of my invention irrespective of the dimensions resorted to,—namely that the several sections of the cot frame are made of tubing of different diameters, but relatively so, in order that the tubes constituting a fourth part of the cot frame may be inclosed one within the other to form practically a single unit for purposes of carriage and transportation.

In order to effect the assembling of the several parts for use as a cot it is obvious that they must be made so as to interlock, and this may be accomplished by resorting to suitable and well known mechanical expedients without departing from the spirit and intent of my invention in this respect. Thus by way of illustrating the practical embodiment of my invention, in the drawings, each end post a , is formed with a fixed socket a' , and a movable socket a^2 , the socket a' , (carrying out the example of dimensions hereinbefore given) being of the same diameter as the post a , namely of one and one half inch external diameter, and one and one quarter inch internal diameter, so as to receive and support one end of a transverse end section b , while the movable socket a^2 , is of one inch internal diameter to receive the end of a side extension tube c . The socket piece a^2 , is movable in the sense that it is turnable upon the corner post a , to bring it into alinement with the fixed socket a' , to economize space in packing. This may be accomplished by forming the socket a^2 , on a sleeve a^3 , held in place against longitudinal movement on the end post a , by means of annular shoulders a^4 , a^4 , formed on the latter. By this means, when the parts are detached for packing the turn socket a^2 , may be brought parallel to

the fixed socket a' , as shown in Fig. 4, so as to render the post a , as a whole, as "flat" as possible.

One of the transverse sections b , for each end of the cot frame is formed with a socket b' , for the reception of the opposed end of the companion transverse section at that end of the cot.

One of the intermediate sections d , on each side of the frame is formed with an end socket d' , for the reception of the adjoining ends of the extension sections c ; the other is formed with an end socket d'' which is threaded internally to receive the threaded end c' , of an extension section c , as illustrated in Fig. 6. The opposed ends of the intermediate sections d , are formed to interlock in such manner that the section provided with the screw socket d'' , may be rotated. This may be accomplished as shown in Fig. 7, by making one part with a reduced and shouldered end d^2 , fitting in the other part. All the other joints except the screw joints d'' , may be secured by coupling pins p , as shown in Fig. 5, or otherwise secured against rotation and detachment when the cot frame is set up for use, in which case the screw sockets are utilized to adjust the length of the frame and render the hammock H , taut. The latter is suspended upon the frame by means of corner loops h , h , and intermediate loops h' , h' , the latter being slipped onto the transverse end sections b , b , while the former (h , h) are passed over the end posts a , a . This arrangement is shown clearly in Fig. 1, by reference to which it will be seen that any weight upon the hammock will tend constantly to draw and hold the parts of the cot frame together in such manner as to neutralize and distribute the strain.

To adapt my improved cot to out door conditions where ordinary tents are not available, I provide it with canopy rods r , r , between which a canopy-supporting line r' , may be stretched. The lower ends of these rods fit in sockets s , formed for their reception on plugs s' , inserted in the upper ends of the corner post tubes a —the upper ends of the canopy rods r , being formed with coinciding shouldered tongues which are coupled together by a screw as indicated in Fig. 8, or otherwise secured together temporarily. The canopy rods are of a diameter (one fourth of an inch in the illustration given herein) that will admit of their insertion within the intermediate sections d , for packing and transportation. Thus constructed and arranged my improved cot frame may be nested into four compact parcels easily disposed of for instance, in the folds of an army blanket,—two to the front of the carrier and two at the back. Buttons a^5 , a^5 , may be provided

on the end posts a , to engage with eyelets 65 on the canopy in a manner well known.

I am aware that the telescoping of sectional parts of bed and cot frames is old in the abstract, and I do not seek to cover the idea broadly, but only the identical new 70 and specific construction, combination and arrangements of parts which I have invented in order to attain a compact, practical structure especially adapted to the requirements of military and similar purposes 75 where extreme lightness, compactness and portability are desirable.

What I claim as my invention and desire to secure by Letters Patent is,

1. In a cot frame of the character designated, the combination of an end post a , formed with a fixed socket a' , and with annular shoulders a^4 , a^4 , a movable socket a^2 , formed with a sleeve a^3 , fitting on the end post a , and between said annular shoulders 85 a^4 , a^4 , a transverse end tube b , fitting in the end post a , and formed with a socket b' , a side extension tube c , fitting in the transverse end tube b , and formed with the screw thread c' , and an intermediate tubular section d , fitting in the side extension tube c , and formed with the threaded socket d'' , and shouldered end d^2 , as and for the purpose described. 90

2. In a cot frame of the character designated, the combination of an end post a , formed with a fixed socket a' , and with annular shoulders a^4 , a^4 , a plug s' , fitting in the upper end of said end post a , and formed with a socket s , a movable socket a^2 , 100 formed with a sleeve a^3 , fitting on the end post a , and between the annular shoulders a^4 , a^4 , thereon, a transverse end tube b , fitting in the end post a , and formed with a socket b' , a side extension tube c , fitting 105 in the transverse end tube b , and formed with the screw thread c' , an intermediate tubular section d , fitting in the side extension tube c , and formed with a threaded socket d'' , and shouldered end d^2 , and a 110 canopy rod r , fitting in the intermediate tubular section d , and adapted to engage the socket s , in the plug s' , as and for the purpose described.

3. A cot frame of the character designated, comprising end corner posts a , each formed with a fixed socket a' , and with annular shoulders a^4 , a^4 , movable sockets a^2 , a^2 , each formed with a sleeve a^3 , fitting on an end post a , and between the annular 120 shoulders a^4 , a^4 , transverse end tubes b , adapted to nest within the end posts a , and to engage each other and the fixed sockets a' , on the end posts a , side extension tubes c , adapted to nest within the transverse end 125 tubes b , and to engage with the movable sockets a^2 , intermediate tubular sections d , adapted to nest within the side extension

tubes *c*, and formed with sockets engaging with the ends thereof and also formed to engage end to end with each other, and a hammock H, formed with corner loops *h*, *h*,
5 fitting over the corner end posts *a*, and resting on the fixed sockets *a'*, and with intermediate end loops *h'*, engaging with the

transverse end sections *b*, *b*, for the purpose and as shown and described.

HENRY MATTES.

Witnesses:

GEO. WM. MIATT,
G. W. HOPKINS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
