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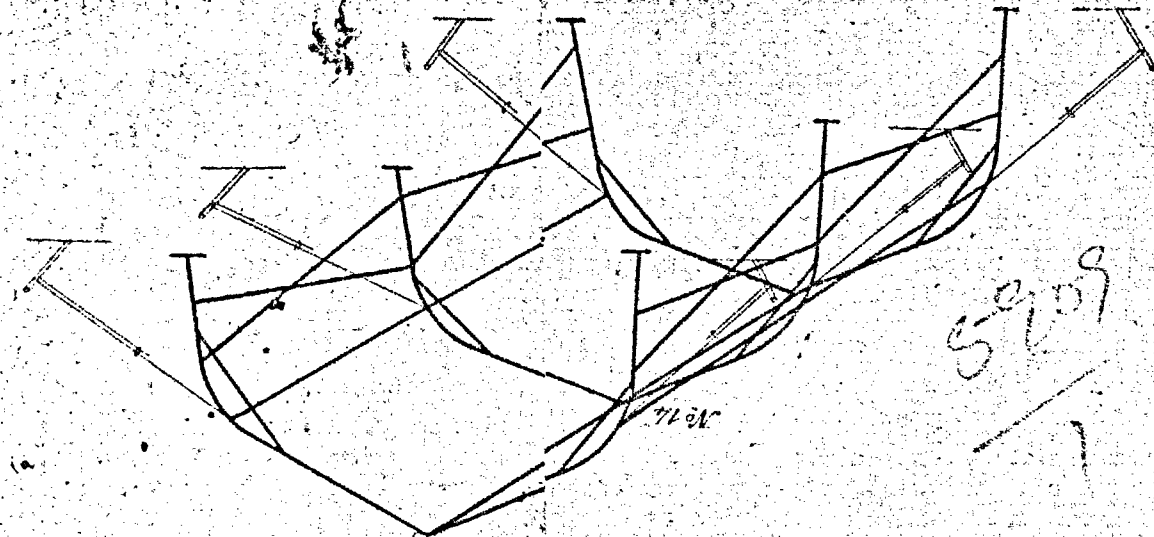
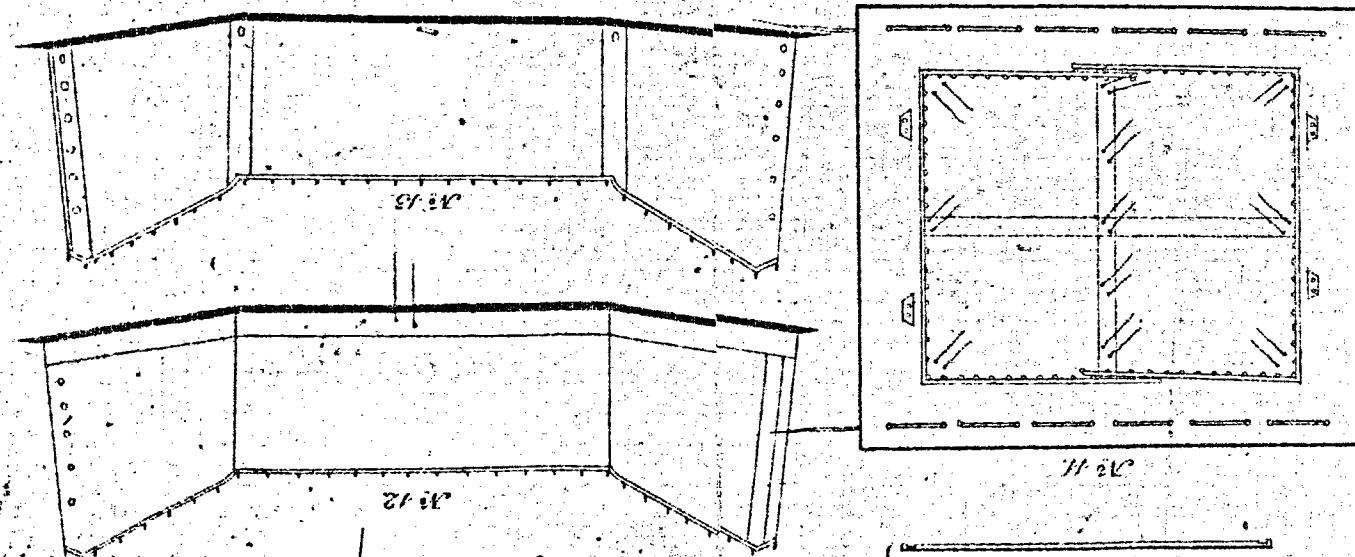
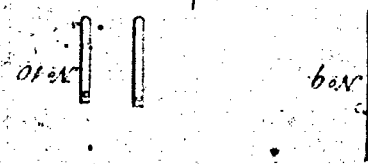
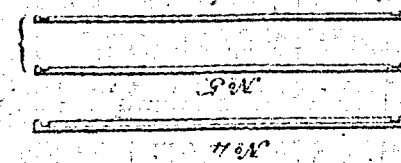
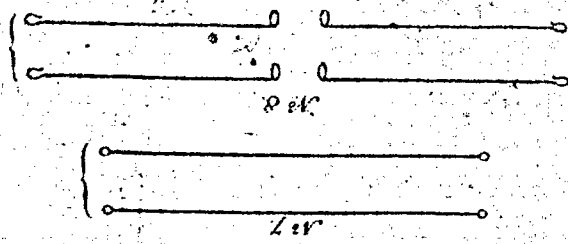
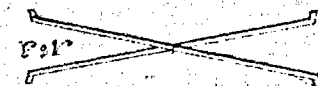
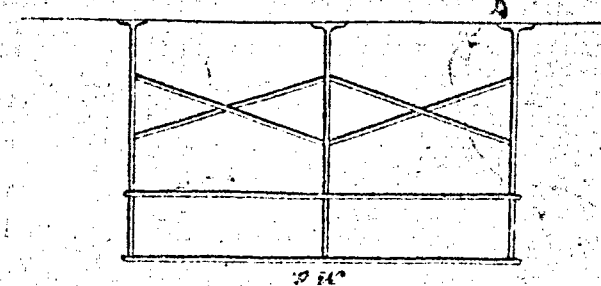
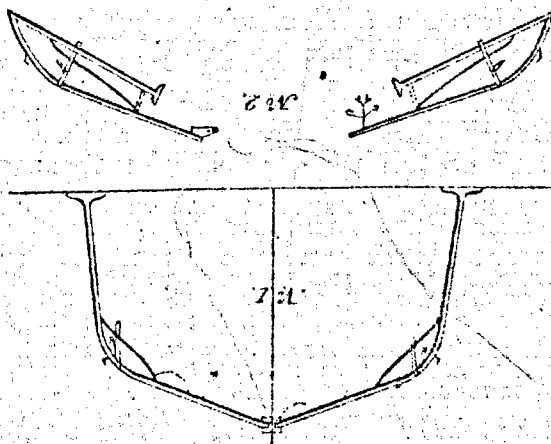
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Not to be folded or roughly handled



Patent Portable Shed or Tent.

Description of and Instructions for Erecting the same.

The Tent consists of

The Iron Frame,
The Waterproof Cover for Roof,
The Pair of Curtains,
The Waterproof Ground Cover, and
The Various Appurtenances.

The Iron Frame comprises

3 Principals of T Iron, $1\frac{1}{2}$ in. by $1\frac{1}{2}$ in. by $\frac{1}{4}$ in.
4 pairs diagonal Cross Bars (shears) of Angle Iron,
 $1\frac{1}{2}$ in. by 1 in. by $\frac{1}{4}$ in.
1 Rigger of rounded T Iron, $1\frac{1}{2}$ in. by $1\frac{1}{2}$ in. by $\frac{1}{4}$ in.
2 flat tie Rods or Bars of Flat Iron, $1\frac{1}{2}$ in. by $\frac{1}{4}$ in.

Each principal (figure No. 1) is in two parts, which are separated in the transport, the half roof and one leg with foot fold together, and is strapped and fastened up as Figure No. 2 shows. When the Tent is up, the two are held out by the diagonal Stay as fig. No. 1.

The diagonal Cross Bars or Shears (fig. No. 3) serve to connect the Principals by the Studs and Cotters; in transport these shears fold flat together.

The Rigger (fig. No. 4) and the Tie Side Rods (fig. No. 5) bind the roof part of the Principals and support the Roof Cover.

Fig. No. 6 shows the side view of the frame when put up, viz.:—the connecting Rigger and one Side Rod or Bar.

The Roof Cover is of Blueish White Waterproof Canvass. Fig. No. 11 shows the inside of it.

Fig. No. 12 is half a Curtain as inside.

Fig. No. 13, another half as outside. These curtains are of canvass, with pockets running along the bottom, and black waterproof about six inches wide hanging over to lie flat on the ground. Each half curtain consists of one side and two ends, which meet and lap over one another about 12 inches in the middle of each end of the Tent, the Curtain ends with rings to go underneath those with eyelets.

Patent Portable Shed on Tent.

Description of and Instructions for Erecting the same.

The Tent consists of

- The Iron Frame,
- The Waterproof Cover for Roof,
- The Pair of Curtains,
- The Waterproof Ground Cover, and
- The Various Appurtenances.

The Iron Frame comprises

- 3 Principals of T Iron, $1\frac{1}{2}$ in. by $1\frac{1}{2}$ in. by $\frac{1}{4}$ in.
- 4 pairs diagonal Cross Bars (shears) of Angle Iron, $1\frac{1}{2}$ in. by 1 in. by $\frac{1}{4}$ in.
- 1 Rigger of rounded T Iron, $1\frac{1}{2}$ in. by $1\frac{1}{2}$ in. by $\frac{1}{4}$ in.
- 2 flat tie Rods or Bars of Flat Iron, $1\frac{1}{2}$ in. by $\frac{1}{4}$ in.

Each principal (figure No. 1) is in two parts, which are separated in the transport, the half roof and one leg with foot fold together, and is strapped and fastened up as Figure No. 2 shows. When the Tent is up, the two are held out by the diagonal Stay as fig. No. 1.

The diagonal Cross Bars or Shears (fig. No. 3) serve to connect the Principals by the Studs and Cotters; in transport these shears fold flat together.

The Rigger (fig. No. 4) and the Tie Side Rods (fig. No. 5) bind the roof part of the Principals and support the Roof Cover.

Fig. No. 6 shows the side view of the frame when put up, viz.:—the connecting of three Principals by two pairs of shears, the Rigger and one Side Rod or Bar.

The Roof Cover is of Blueish White Waterproof Canvass. Fig. No. 11 shows the inside of it.

Fig. No. 12 is half a Curtain, as inside.

Fig. No. 13, another half as outside. These curtains are of canvass, with pockets running along the bottom, and black waterproof about six inches wide hanging over to lie flat on the ground. Each half curtain consists of one side and two ends, which meet and lap over one another about 12 inches in the middle of each end of the Tent, the Curtain ends with rings to go underneath those with eyelets.

The black Waterproof cover for the ground inside the Tent is square, but only so much so, as to leave about 6 inches of ground uncovered all round.

The Appurtenances are

Two long 3/4 inch round iron Curtain Rods (fig. No. 7), with eyes on each end to go into the pockets along the sides.

Four short 1/2 inch round iron Curtain Rods, to go into the pockets of the 4 half ends. (fig. No. 8.)

Two iron Stakes (fig. No. 10) flat iron, 1 1/2 in. by 1/2 in.

Two long Chains.

Two Padlocks.

Six wooden Stakes (fig. No. 9) and fourteen Ropes; these show together in figure No. 14 the full view of the Tent Frame.

Erecting the Tent.

This requires 4 men, to be called here Nos. 1, 2, 3 & 4; in erecting a quantity of Tents an extra man superintending the work is recommendable. The various parts of the Tent are to be assorted on the ground in the same state as they were transported, and according to the colours, the iron parts being painted half red and half black the length way of the Tent.

Men Nos. 1 & No. 2 take up the 2 corresponding parts of one principal.

Men Nos. 3 & 4 those of another principal

take them to the place where the Tent has to stand,

put them flat on the ground,

undo the Straps and Chains,

connect the two parts in centre by the forkbolt and hooks, and then

place the 2 principals so that the legs remain flat on the ground towards inside.

In this position they are held by Nos. 1 & 3, whilst Nos. 2 & 4 put up the third principal in the same way, No. 2 remaining to hold it in its position.

No. 4 brings Rigger and flat Bars, which he fixes into their respective places with the assistance of the 3 men standing by the 3 principals.

The Frame stands now sufficiently firm of itself, that No. 3 alone can keep it up properly.

The other three men now bring the diagonal Cross Bars and connect the sides or legs still lying flat on the ground.

The Cover for Roof, rolled up inside out from the 2 sides towards the middle, (as in the transport) is now put the length way on to the Rigger, the 5 Ropes are undone and fastened to the Rigger, 1 in centre, 2 each end, and 2 between, the Cover is rolled down to the sides, well drawn on, and tied again to the three principals, wherever they cross the flat side Rods.

Curtains are now hooked into the Rings of the Roof Cover, first one half, then the other, the 4 corner Rings taking 2 hooks each.

On each end the long Chains are now slung through the hole of the top plate of principals.

To put the Tent on its legs, now No. 2 & 3 stand to centre principal, No. 1 & 4 to each end principal respectively, and to the command given they lift up the Tent.

along one side so that the 3 legs come round by the hinges, and the 3 feet flat to the ground; the 3 diagonal stays are then put up and fastened in their places by the bolts and hooks hanging on by the principals.

The other side of the Tent is then put up in the same way, after which the 6 feet, and the frame itself will require somewhat adjusting into right angles.

To prevent the Curtains from flapping by wind, and to close the Tent on the 2 ends, the round iron Rods are put into the respective packets, viz:—

the 2 long ones along the sides,

the 4 short ones along the 4 half ends,

so that their end hooks fasten into the outstanding eyes of the long side Rods, and their loose end Rings meet at the middle of the 2 ends.

Closing the Tent.

Six wooden Stakes, 3 on each side are driven into the ground in a line with the principals, about a yard and a quarter off them; ropes are tied to the 6 crossings of principals and side Bars, then drawn through the corresponding eyelets of the Cover and fastened to the Stakes.

The Roof Cover is then properly stretched and drawn on to the sides by 4 Ropes on each, attached to the double eyeletted flaps inside; these Ropes to be fastened to the corresponding Stakes that hold the frame.

The overlapping part of the Roof Cover is thus held out for protection of the Curtains along the sides.

Further, in order to keep the rain from running inside the Tent, it is advisable to dig out the ground about 9 inches deep by 15 inches wide along the sides and ends outside the Tent, and to heap up the earth towards inside, and to use it for levelling the ground if necessary.

The black Waterproof Cloth is then put inside the Tent, its edges along the top of the heaped up earth.

The Tent is then ready to receive provisions for storing; to close it then, the iron Stakes are driven into the ground at the middle of each end, so that its top with the hole stands about 4 inches out of the ground.

The long Chains hanging from above on each end are laced outside through the 5 rings, which are underneath the 5 large eyelets.

The loose Rings of the short Curtain Rods fall over the top of the Stakes.

The Chain then passes through the top hole of the Stake and back again under the loose pocket, where a padlock is put on through the 2 oblong rings of the Chain.

The Ropes at the ends of the Roof Cover are then drawn in tight and fastened to the 4 Corner wooden Stakes.

In order to form a larger continuous storing place, as many Tents as are available can be put up close together end to end; the end Curtains can be left open and held up by the straps of the principals.

In this case the overlapping ends of the Roof Cover are laid on flat where the Tents meet, and by taking the rope out of one, the 2 laps can be laced together by the other rope and will keep the rain out between the 2 Tents.

Taking the Tent down.

Goes in precisely the same way opposite.

Patent Portable Shed on Tent.

Dimensions:

Length, 14 feet.
Width, 14 feet.
Height, 8 feet 3 inches in Centre.
5 feet 3 inches on Sides.

Weight.

The Iron parts weigh together..... 515 lbs.
The Covers and Curtains weigh 205 lbs.

Total... 720 lbs.

No single Iron part in transit exceeds 43 lbs. in weight.

The chief merits and important Advantages of the Shed are:—

Erecting the Shed. Four Men pitch the Shed easily in 10 or 12 minutes.

Interior of the Shed. There is no support or any obstruction whatever inside the Shed, so that there is a clear space of 196 square feet, which is thoroughly Waterproof-sheltered, whilst for the ground a Waterproof Cover is provided.

Complete Shelter.

The Shed available anywhere.

The Shed can be pitched equally well on hard or stony as on soft ground, standing firmly, as it does, on its six oval concave feet. Only the roof-cover is held down and drawn tight by ropes and wooden stakes.

Continuous Corridors easily formed.

The Sheds, pitched close together, end to end, form an uninterrupted, unobstructed, and thoroughly sheltered Corridor of 14 feet width, and of any length desired.

Eu 3
F. 8186

5203
Manchester August 27th 1877

The Secretary of Revenue Department
Madras

Sir

We lately submitted to the India Office
in London the particulars and a
model of a new portable Iron
waterproof covered Shed which we
have constructed and manufactured
largely for the German Government
and which on account of its special
adaptation for thoroughly sheltering
and storing Provisions of all kinds, we
consider a most suitable and useful
commodity for India and the colonies
in general.

The Military Committee of the India
Council informed us that, as far as
they were concerned, whilst fully
admitting the great merits of this
Shed, they could not entertain supplying
it to the Army, there being already an
abundant stock of a variety of Tents
for Army purposes in India.

Yours

In the Civil Department of the India Council however, we were advised to put ourselves in direct correspondence with the Local Secretaries of the Revenue Department at Calcutta, Bombay and Madras, as in extraordinary cases, such as famine & the quick and temporary establishing of stores all over the affected parts of the Country becomes an urgent necessity and might be facilitated materially by having a stock of such sheds always ready at hand. Under these auspices we therefore take the liberty of bringing these Sheds under your special notice, and beg to enclose particulars and full description of them, and also to inform you, that Messrs John Peel & Co. of Bombay are our representatives for the article in India, and that these gentlemen will at any time be glad to furnish you with any further information on the subject. In case you wish to make a practical trial

508/6
trial Messrs John Peel & Co. will put an entire and complete shed at your disposal.

We may observe that the War Office and Woolwich Ordnance Authorities have had our Sheds inspected and thoroughly examined and this with the satisfactory result of the article being now noted for supply at first opportunity.

We remain, Sir,

your most obedient servants
Martin Paine

Rev 1877 Dr J. H. S.

of No 8186

from

Wentworth Speyer & Co
Manchester

Dated 27th August 1877
Recd 21 Sept 1877

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