

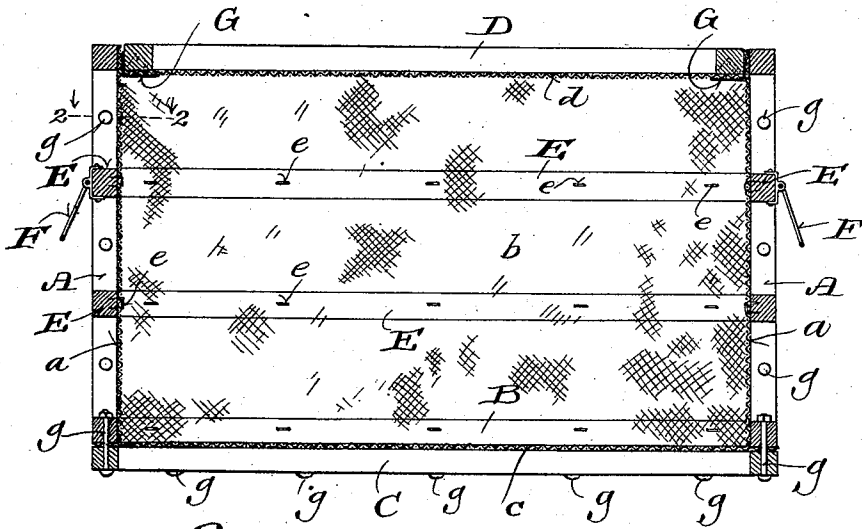
(No Model.)

C. M. GREEN.  
DYER'S BASKET.

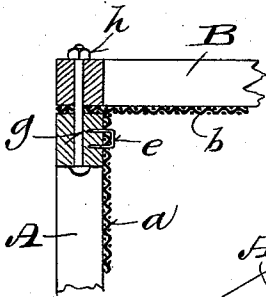
No. 572,634.

Patented Dec. 8, 1896.

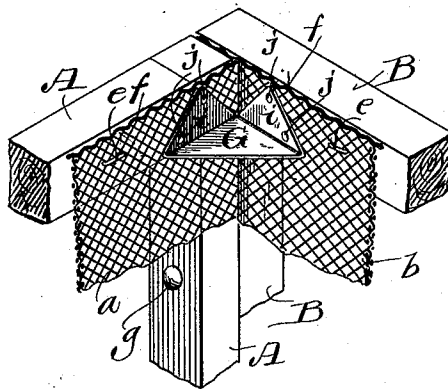
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Witnesses:  
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# UNITED STATES PATENT OFFICE.

CHARLES M. GREEN, OF HIGHLAND PARK, ILLINOIS.

## DYER'S BASKET.

SPECIFICATION forming part of Letters Patent No. 572,634, dated December 8, 1896.

Application filed July 1, 1895. Serial No. 554,536. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES M. GREEN, a citizen of the United States, and a resident of Highland Park, in the county of Lake and State of Illinois, have invented certain new and useful Improvements in Dyers' Baskets; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to the construction of baskets especially designed to hold bobbins of yarn and analogous articles while being immersed in dye-vats; and it consists in certain peculiarities of construction and combination of parts, all as will be fully set forth hereinafter and subsequently claimed.

In the drawings, Figure 1 is a vertical longitudinal section through a basket embodying my present invention. Fig. 2 is a detail sectional view on the line 2 2 of Fig. 1, drawn to an enlarged scale. Fig. 3 is a detail perspective view of a portion of said basket, also drawn to an enlarged scale.

Referring to the drawings, A A represent the end frames, and B one of the side frames, of my basket. C is the bottom frame, and D the frame of the removable top. Each of these frames is formed, primarily, of four pieces of wood put together, as by nails or screws, to form a skeleton rectangular frame, to the inner surfaces of each of which frames is secured, as by staples *e e*, a piece of wire-netting, as shown at *a*, *b*, *c*, and *d*, respectively, extending practically in one continuous piece to the edges of said frame. The side edges of this netting are formed with a binding, as shown at *f f* in Fig. 3, and when the piece of netting employed is of a standard size the binding may be continuous at the end edges also, but when the piece is cut to a less length than standard size the raw cut edges will come against and readily interlace with the surface of the netting on the adjacent frame when the sides and the ends of the basket are put together, as indicated in Fig. 3.

In putting the frames together to make the basket the bottom frame C is laid down with its lining of netting *c* uppermost and the side frames B placed thereon, with the end frames A interposed between the side frames and also resting on the bottom frame, and the several frames are preferably separably united by means of bolts *g* and nuts *h*. The basket may

be further strengthened by means of external braces E E, extending between opposite pieces of the described frames and secured thereto, with the described interior linings of netting secured to said braces, as by staples *e*, driven therein from the inside of the basket.

F F represent handles of any suitable construction secured to the end braces E E.

The top or cover D *d* is not designed to be secured to the basket, but to be supported within the upper part thereof, so as to come just flush with the tops of the end and side frames A B, and to support this top or cover I provide at each of the inner upper corners of the basket suitable plates G, made, preferably, of thin metal, having upward-extending flanges *i i*, by means of which the said plates are secured to the said end and side frames A B, as by nails or screws *j j*, and these plates G not only serve this purpose of support, but further act as strengthening-braces and firmly secure the said end and side frames together at their upper inner corners.

In the use of my device the bobbins of yarn or other articles to be dyed are placed in the basket and the top or cover dropped to place and then the basket and contents deposited in the vat, the wire-netting permitting the dye fluid to circulate freely in and out and through the basket. The handles facilitate the transportation of the basket, and when the contents are to be removed the top or cover is simply lifted off out of the way.

The wire-netting is preferably galvanized to resist the action of the liquid dyes and obviate rust.

By reason of the described separable construction of the basket should any section or frame become injured or worn out the bolts *g* can be quickly withdrawn and the defective part removed, to be replaced by a corresponding perfect part, and therefore there is great economy in the use of my basket, and, further, by this construction my basket can be shipped in a knockdown condition, (thereby effecting a saving in freight,) and be afterward readily put together without the use of any special tools.

In the ordinary method of dyeing bobbins of cotton and other yarn they are placed in large willow or other wooden baskets, which are immersed in the dye-vats, and then after

removal are subjected to an intense heat in order to dry the yarn rapidly, and this alternate wetting and drying results in the disintegration of these baskets in a very short time, 5 but my devices will stand this treatment for a long time without injury, and, as just stated, if any portion becomes damaged that part alone can be repaired (the sections or frames being made of standard sizes) without the 10 loss of the remainder of the basket.

By insetting the top or cover, as described, and supporting the same upon the corner-plates G, I do away with all necessity for either hinging or otherwise fastening said top 15 or cover to the basket, and, further, by making said inset top flush with the upper edges of the ends and sides these baskets can be piled one upon the other, both within the vat and in the drying-room, evenly and without 20 danger of any of the tops sliding off as the baskets are moved about, while by having the reticulated lining on the inner surfaces of the skeleton frames the said frames, as well as the braces E E, guard the baskets from in- 25 jurious external contact.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A dyer's basket comprising a series of end, side and bottom sections, each consisting of 30 a skeleton frame with an inner reticulated lining, and with said sections rigidly but detachably connected together, a series of supporting-plates and corner-braces secured within the upper part of said basket, wholly 35 below the top edges of said end and side frames, and a top or cover section supported upon said plates within said upper part of the basket, wholly inside of, and just flush with, the tops of said frames, substantially as 40 set forth.

In testimony that I claim the foregoing I have hereunto set my hand, at Milwaukee, in the county of Milwaukee and State of Wisconsin, in the presence of two witnesses.

CHARLES M. GREEN.

Witnesses:

H. G. UNDERWOOD,  
C. W. SCOTT.