

No. 763,962.

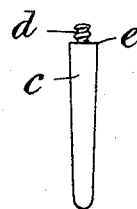
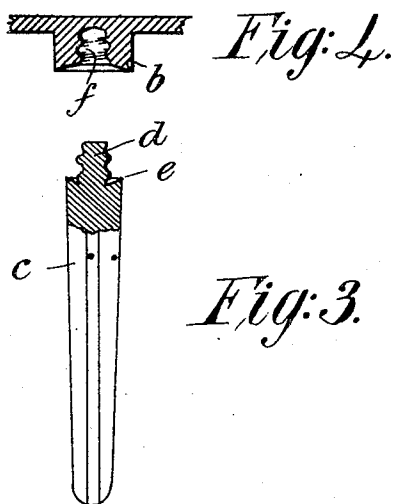
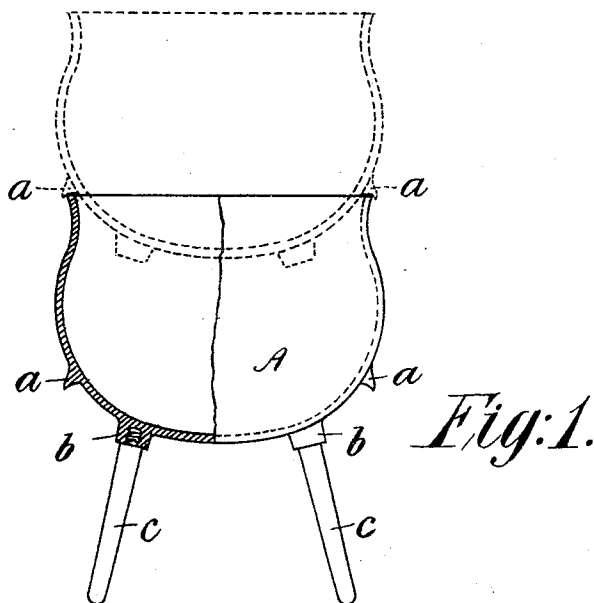
PATENTED JULY 5, 1904.

R. CLAYTON & E. B. CRUMP.

COOKING POT OR THE LIKE.

APPLICATION FILED AUG. 20, 1903.

NO MODEL.



Witnesses  
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# UNITED STATES PATENT OFFICE.

RICHARD CLAYTON, OF BILSTON, AND EDWARD BARNETT CRUMP, OF COSELEY, ENGLAND.

## COOKING-POT OR THE LIKE.

SPECIFICATION forming part of Letters Patent No. 763,962, dated July 5, 1904.

Application filed August 20, 1903. Serial No. 170,228. (No model.)

*To all whom it may concern:*

Be it known that we, RICHARD CLAYTON, of Deepfields, Bilston, and EDWARD BARNETT CRUMP, of No. 45 Tunnel Terrace, Coseley, in the county of Stafford, England, subjects of the King of Great Britain, have invented a new and useful Improvement in Cooking-Pots or the Like, of which the following is a specification.

Our invention relates to improvements in the manufacture of negro pots, Dutch stoves, camp-ovens, and the like. In apparatuses of this kind the vessel is usually supported by iron legs cast thereon or permanently attached thereto. This arrangement, however, involves that a fracture of one of the legs may render the whole apparatus useless, the more so as a blow will frequently cause the leg to break away from the pot or vessel, carrying a portion of the vessel itself with it, and thereby making a hole in the bottom of the pot. For this reason and for the convenience of carriage it has been proposed to form the legs detachable, so that they may be forwarded to the place of use separate from the vessel and be put together when required. The arrangements hitherto usual for this have been found capable of improvement for the purpose of securing increased efficiency in use, convenience and economy in packing and forwarding, and also greater safety of the utensils when a number of them are nested or packed together for transit.

In carrying our invention into effect we cast the requisite number (usually three) of hollow bosses upon the under side of the pot at the points where the legs are to be attached. These bosses are made of a suitable length for the purpose of receiving the detachable legs, and, moreover, they may conveniently form short supports acting themselves as legs in case of need. They are, however, adapted internally to receive and retain the ends of the legs cast or constructed separately. The means employed for fastening the legs into the bosses is by forming a thread on the end of the leg adapted to engage in a corresponding matrix in the boss on the pot. We have

found that in order to do this successfully it is necessary to form the parts in a particular way and to conduct the casting operations in a particular manner, which we will now proceed to describe with the aid of the accompanying drawings, in which—

Figure 1 shows an elevation of a cooking-pot; Fig. 2, the screw-leg for same; Fig. 3, an enlarged drawing of the leg shown in Fig. 2 with the screw end in section; Fig. 4, a section of boss, showing matrix.

Referring first to Fig. 1, the pot A is cast with three bosses *b*, two of which are shown in the drawings. These bosses are formed with an internal thread *f*, Fig. 4, and as the prices at which the pots are commonly sold will not pay for the cost of fitters' work upon them it is necessary that the thread should be cast with the pot. We do this by introducing three metal chills into the mold, one being provided for each of the three bosses. The pot is cast with these chills in place, and thus with three internal screw-threads—*i. e.*, one in each of its three bosses; but as the molten metal tends to contract upon these chills and grip them as the casting cools it is necessary to withdraw them while the metal is still hot, and they are, in fact, withdrawn as soon as the metal is set in the molds. The leg C is in like manner cast and is cast with an external thread *d*, which is made to fit the internal thread *f* in the bosses *b*. This thread and the shoulder of the leg so far down is cast in a chill. To facilitate removal from the chill, this facet of the leg has a slight taper, as shown. The leg itself may be molded into any desired form. The shoulder is slightly hollowed, as shown at *e*, Fig. 3, in order that when screwed home the outer edge of the shoulder may bite upon the face of the boss upon which it then abuts. It is important that this biting edge should be formed upon the leg and also upon the boss—that is to say, upon each member of the combination. We prefer to make all our screw-threads applicable to a series of sizes of pots of one uniform pitch and size, so that all the parts manufactured in this way may be interchange-

able for such series of sizes of pots. We consider it of importance that the thread on the end of the leg should be substantially of the pattern shown in the drawings, experience having proved that this type of thread is best adapted for easy screwing of the leg into the matrix, particularly when it is necessary to be able to adapt any one of a series of legs separately cast to any matrix of a pot of the same series, thus securing the full interchangeability of the parts and avoiding the necessity for any fitting.

Our screw-legs are preferably so shaped that they can either be securely screwed in by hand or be fixed tightly by the use of a spanner, in which latter case they are usually not again removable from the pot.

It is necessary for systematic packing and saving of space that the pots be closely "nested" or piled one upon another. For this purpose we provide the lugs or projections *a*, so arranged that they will rest on the rim of the pot beneath and prevent the pots from slipping when piled for packing.

We have illustrated our invention only as applied to a negro pot, as upon a thorough understanding of this application of the invention its application also to other utensils named in the title will be obvious to a person

having knowledge of the trade to which the invention relates.

What we claim is—

1. A transportable cast-iron pot adapted for nesting in transit, screw-threaded bosses on the bottom of said pot and integral therewith, legs adapted to screw tightly into any boss of any pot of the nest, and snugs projecting from the sides of said vessel and adapted to rest upon the lip of the vessel beneath it substantially as set forth.

2. In combination with a transportable iron pot adapted for nesting in transit and provided with internally-threaded bosses integral with the bottom, the detachable and interchangeable screw-legs *c*, each leg provided with the quick-screw *d* and having a shoulder recessed at *e* and adapted to cause the outer edge to bite against the outer edge of the boss, substantially as described.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

RICHARD CLAYTON.

EDWARD BARNETT CRUMP.

Witnesses:

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T. J. OSMAN.