No. 748,756. PATENTED JAN. 5, 1904.

E. C. KÜCHENMEISTER.

BASKET FOR CENTRIFUGAL MACHINES.

APPLICATION FILED MAR. 6, 1903.

NO MODEL. 2 SHEETS—SHEET 1.

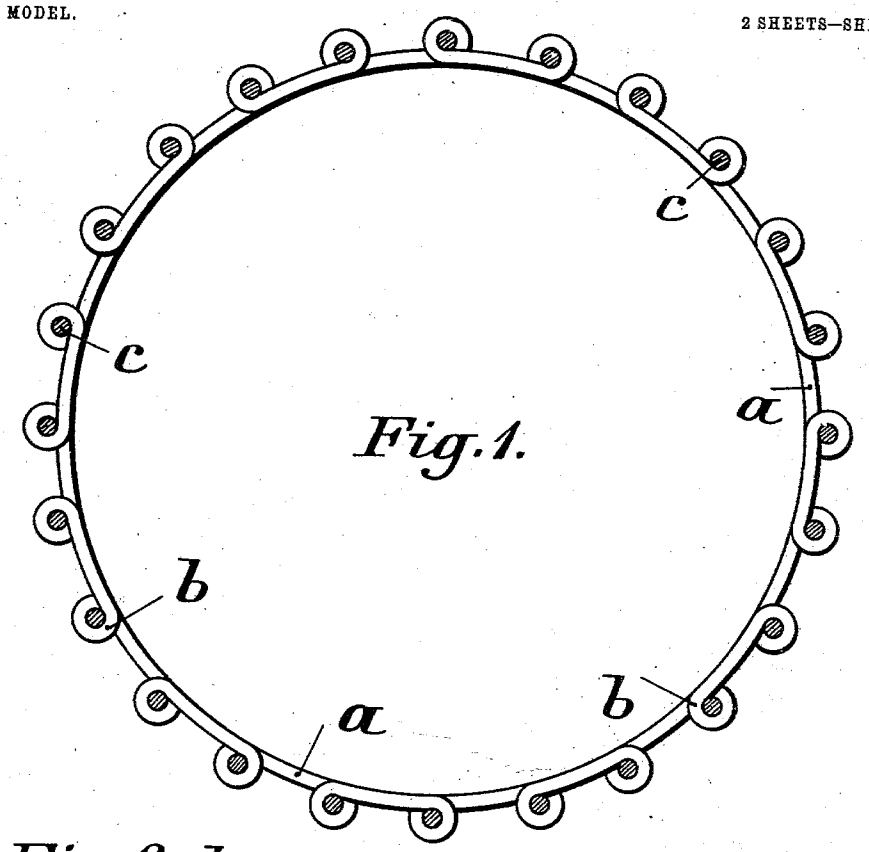


Fig. 1.

Fig. 2.

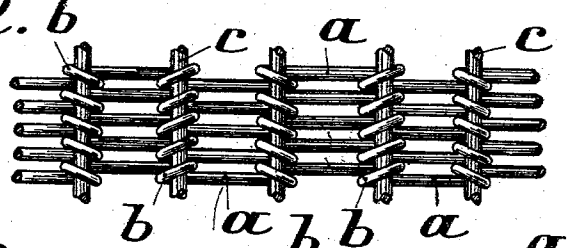
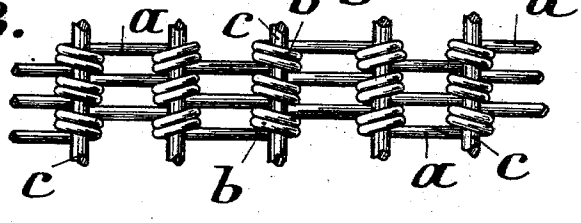


Fig. 3.



WITNESSES

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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

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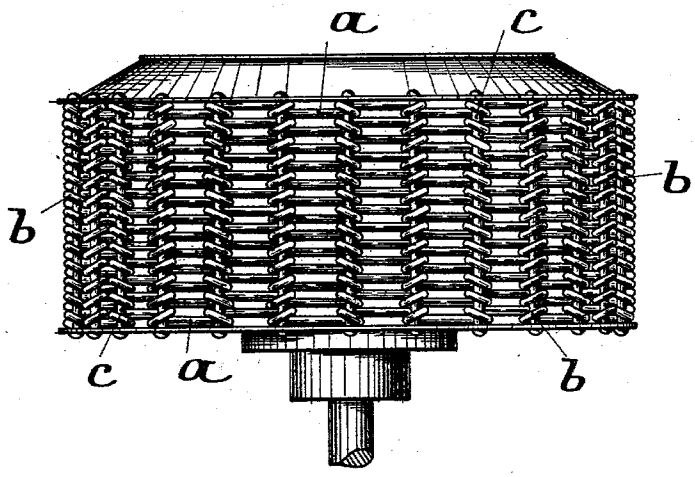
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Fig. 4.



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UNITED STATES PATENT OFFICE.

EDMUND CONSTANTIN KÜCHENMEISTER, OF ZITTAU, GERMANY.

BASKET FOR CENTRIFUGAL MACHINES.

SPECIFICATION forming part of Letters Patent No. 748,756, dated January 5, 1904.

Application filed March 6, 1903. Serial No. 146,583. (No model.)

To all whom it may concern:

Be it known that I, EDMUND CONSTANTIN KÜCHENMEISTER, a subject of the German Emperor, residing at 4 Neustadt, Zittau, Germany, have invented certain new and useful Improvements in Baskets for Centrifugal Separators, of which the following is a specification.

My invention relates to improvements in baskets of centrifugal and like apparatus; and it consists in a construction which is especially adapted for separating liquids from solid bodies. According to my invention the new basket consists of a number of wire rings placed one above the other and having loops through which wires or rods are inserted for connecting the said wire rings, the whole thus forming a basket. With regard to a basket made from perforated sheet metal my new basket, having the same durability, has the advantage that it is possible to separate the same quantity of material in a shorter time.

In the accompanying drawings I have shown by way of example in Figure 1 a cross-section of a basket constructed according to my invention. Fig. 2 is an external view of a part broken out from such basket. Fig. 3 is a similar external view showing a modification. Fig. 4 is an elevation of the basket of a centrifugal separator constructed in accordance with this invention.

a represents rings having their ends fastened together in any convenient manner—for instance, by welding. A number of such rings are placed one above the other, as shown in Fig. 2, so as to form the height of the basket. The rings are provided with loops *b*, formed by the wire itself, preferably in such a manner that the wire passes alternately over and under the beginning of the loop, as it will be seen from the figures. Each loop may also consist of two or more windings, as it is shown in Fig. 3, the size of the meshes thereby being enlarged.

c represents rods or wires inserted into the loops *b* of all wire rings *a*, placed one above the other, thus connecting the wire rings to form a basket. The ends or the rods *c* are connected in any convenient manner with a bottom and a cover.

The described basket is adapted to sustain the strongest strain arriving in centrifugal work without changing its structure.

Having now particularly described and ascertained the nature of my said invention and the manner in which the same is to be performed, I declare that what I claim is—

1. A basket for centrifugal separators, having in combination a series of horizontal rings of wire, the wire of each ring being bent upon itself to form a plurality of outwardly-projecting loops or eyes, and being bent in opposite directions in forming adjacent loops, and metal rods extending through the alined loops in the series of rings.

2. A basket for centrifugal separators, having in combination a series of vertical rods, and a series of rings of wire arranged one above the other and each extending about all of said vertical rods, the wire of each ring being bent upon itself adjacent each rod to form a plurality of loops about said rod.

3. A basket for centrifugal separators, having in combination a series of vertical rods, and a series of rings of wire arranged one above the other and each extending about all of said vertical rods, the wire of each ring being bent upon itself to form a plurality of loops, each surrounding one of said rods, and so arranged that the sections of wire connecting adjacent loops extend at right angles to the length of the said rods.

In testimony whereof I have affixed my signature in presence of two witnesses.

EDMUND CONSTANTIN KÜCHENMEISTER.

Witnesses:
HERMANN VOGEL,
RUDOLF HAMMER.