To all whom it may concern:

Be it known that I, George Clements, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Vacuum-Cleaner Bags, of which the following is a specification.

My invention relates to a bag for use with vacuum cleaners and has for its object the provision of a one-piece bag which shall be simple and easy to make, which shall be attached to the handle of the cleaner both at the top and at the bottom, and which shall be provided with a restricted interior vacuum neck which insures that all of the dust and foreign material inhaled shall be deposited in the body of the bag in such a position that it cannot drop back into the vacuum cleaner. Other objects will appear from time to time in the course of the specification. I illustrate my invention more or less diagrammatically in the following drawings wherein:

Fig. 1 is a side elevation of the bag in use; Fig. 2 is an enlarged view of the bag; Fig. 3 is a section on line 3—3 of Fig. 2; Fig. 4 is a plan view of the blank from which the bag is formed; Fig. 5 is a plan view of the throat blank on double the scale of Fig. 4; Fig. 6 is a section on the line 6—6 of Fig. 2.

All parts are illustrated with like letters and numbers throughout the drawings.

A bag blank A of the form illustrated in Fig. 4 is turned over on itself along the seam or edge B, and is sewed along it, and about its entire edge except the open space C at the upper end of the bag which is normally closed by clip C', and the open space D at the bottom of the bag which is hemmed as at D' and secured by the wires D² to an inwardly projecting flange D³ of the plug D⁴ which is adapted for attachment, by means not forming part of the present invention, to the cleaner casing D⁵. The bag thus finished is illustrated in Fig. 2. A second piece of cloth E² is sewed to the bag along the seams E extending from the point E' adjacent the neck of the bag to a point E² midway up the bag and illustrated as being so near to the edge B of the bag as to form a restricted neck or passage, through which the suction exhaust stream passes with substantially undiminished velocity. The foreign material thus conveyed is dropped in the body of the bag when the exhaust stream passes the point E² and is lost in the interior of the bag.

In the bag, as illustrated in Fig. 2, the neck is at one side of the bottom of the bag, and the other side forms when bag is deflated, a loose depending flap. I therefore insert an eyelet F in the lower corner of the bag and secured thereto a chain F', and a catch or snap F² adapted to be secured to an eyelet or hook F³ on the handle F of the cleaner. The upper end of the bag is supported by the clip C' and a chain C to a hook or eyelet C² on the upper portion of the handle.

While I have illustrated a form of bag which is in successful use, it will be realized that the drawing and description herein are largely diagrammatic and that many variations in size, disposition and in the relation of parts may be made without departing from the spirit of my invention.

The use and operation of my invention are as follows:

I provide a bag for vacuum cleaners which is made from a single bag blank. I provide for a seam within the bag forming a restricted neck reaching midway up the bag. Preferably I form this neck, not by sewing the two sides of the bag together, but by inserting an additional piece of cloth which permits the bag to be fully inflated and does not detract from its symmetrical shape.

This bag is particularly adapted for use with that form of vacuum cleaner casing wherein the exhaust opening is at one side of the casing. The lower corner of the bag opposite to the neck, in this form of bag, tends to flap down on the casing or even on the ground, giving an unsightly effect and at times reducing the wear of the bag. I therefore provide means for supporting the bag on the handle, not only at the top of the bag, but at this bottom corner.

I claim:
1. A bag for suction cleaners adapted for use with a suction cleaner casing and handle, comprising a bag body, and means for attaching the top of said bag body to the handle, a neck at one side of the lower end of the handle adapted to be secured to the
suction cleaner casing and means for securing the opposite corner of the bag to the handle.

2. A bag for suction cleaners adapted for use with a suction cleaner casing and handle, comprising a bag body, and means for attaching the top of said bag body to the handle, a neck at one side of the lower end of the handle adapted to be secured to the suction cleaner casing and means for securing the opposite corner of the bag to the handle, comprising an eyelet therein, a catch secured thereto and a member on the handle adapted to be engaged by said catch.

3. A bag adapted for use with suction cleaners, having a neck at one side of the lower portion of said bag adapted to be secured to the cleaner, and means for securing the top and the opposite lower corner of said bag to the handle.

Signed at Chicago, county of Cook and State of Illinois, this 28th day of June 1921.

GEORGE CLEMENTS.