

SPECIFICATION

COFFEE AND TEA EXTRACTION BAG

Technical Field

5 The present invention relates to an extraction bag for coffee and teas such as black tea, Sencha green tea, oolong tea, and other health teas. In detail, this has a function that a connecting portion and a tag are extended in a slightly bent shape with respect to a tag holding portion and the connecting portion, respectively, by pulling up a tag of the bag. Furthermore, this is an
10 extraction bag for coffee and the like whose fitness to a cup is enhanced by an effect of fins provided on both sides of a cut part when the cup rim is inserted in the cut part of the tag. Therefore, the extraction bag has stable extraction performance even when this is applied to a cup of a wide variety of sizes and shapes.

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Background Art

Most of the conventional coffee extraction methods are drip types, and recently, paper-filter drip types have come to be most widely used. However, there still exist many problems in handling besides extraction performance
20 such as seeping of fine grains and fat, and many attempts have also been disclosed in terms of bag shape and material in order to improve these problems.

For example, Japanese Laid-Open Utility Model Publication No. S55-123480 discloses a filter with tag having a shape that allows hanging on
25 the cup rim or the like, and in addition, Japanese Laid-Open Patent

Publication No. H03-210214 and H03-218711 and Japanese Laid-Open Utility Model Publication No. H07-223 disclose filters provided on their sides with tags having been notched and allowing extraction while kept hanging on the cup rim for a long time. Furthermore, Japanese Laid-Open Patent
5 Publication No. H06-315435 discloses a method for enhancing stability when hanging and holding a filter on the cup rim by providing notched tags and small auxiliary tags on the sides of the filter. However, when these filters are used in a method of pouring hot water from the upper portion of the filters, there still have been problems in terms of making the thickness of a filtration
10 layer for coffee grains and the like inside the filter uniform and securing sufficient stability.

Recently, coffee bags being bags to which complicated bag retention mechanisms made of plastic or thick paper have been added, almost the whole part of which is placed on the brim of an upper portion of a cup when used,
15 also being excellent in extraction performance, and have also been enhanced in stability have rapidly spread. However, these are complicated in structure and expensive, and as disposable articles for daily use, problems have also been pointed out from an environmental standpoint. Moreover, there is still room for improvement in various points when these are used for extracting
20 teas such as black tea, Sencha green tea, oolong tea, and health teas, besides coffee.

(Patent Document 1) Japanese Laid-Open Utility Model Publication No. S55-123480

(Patent Document 2) Japanese Laid-Open Patent Publication No.
25 H03-210214

(Patent Document 3) Japanese Laid-Open Patent Publication No.
H03-218711

(Patent Document 4) Japanese Laid-Open Utility Model Publication No.
H07-223

5 (Patent Document 5) Japanese Laid-Open Patent Publication No.
H06-315435

Disclosure of the Invention

(Problems to be Solved by the Invention)

10 In view of these problems of extraction bags, the present invention
aims to develop and provide an extraction bag whose fitness to a cup is
enhanced even when the cup has a wider range of sizes and shapes, whose
opening can be held in a maximum state during extraction, and whose
position and shape can be optimally held during extraction, when extracting
15 coffee and teas such as black tea and Sencha green tea, by further contriving a
structure and a function of the tags and small auxiliary tags attached to the
side of a bag.

(Means for Solving the Problems)

20 The shape of a cup for coffee, tea, or the like is wide-ranging.
Particularly, it is necessary to improve fitness to a cup when the size of an
upper-end opening portion of the cup is wide-ranging and when a vertical
section of a cup rim portion has various shapes. With regard to variety of the
size of the upper-end opening portion, although a conventional extraction bag
25 has been composed of two parts of a tags holding portion and a tag, it becomes

possible to solve the problem by inserting a connecting portion connected via perforations between the tag holding portion and the tag. When the extraction bag is structured as such, formed between the tag and the tag holding portion via the connecting portion are, as shown in Fig. 3, two
5 structures extended in a duplicated doglegged shape by pulling up the tag. Therefore, whether the interval between the extraction bag and the cup rim portion is large or small, it becomes possible to attach the extraction bag without influence of deformation or the like of the bag.

Furthermore, since the tag has been conventionally strongly recognized
10 as a "tab" when opening the extraction bag, the interval between a cut of the tag in which the cup rim portion is inserted and perforations at the base has been set narrow. Widening the interval has made it possible to improve fitness to variety of the inside diameter of a cup.

The shape of a section of the cup rim portion is very wide-ranging.
15 Particularly, when the rim portion is largely opened outward, if an inclination of the cut line in the tag at which the extraction bag is attached is considerably different from an inclination at which a sectional opening of the rim portion is opened, the cut line has a distorted shape, so that a considerable gap is created between the cut line and the rim portion. Since
20 the extraction bag is deformed by the influence of this, the position and shape of the bag cannot be optimally held during extraction. In order to improve this, on both sides of the cut line in the tag, respectively provided is a pair of fins (7), (7)' and (8), (8)' via bendable perforations. Furthermore, also at a part of the connecting portion that contacts with the inner surface of a cup,
25 provided is a fin (11), (11)'. It has been discovered that these additional

structural parts allow always holding the position and shape of the extraction bag in an optimal state even when the cup rim portion is largely opened outward as shown in Fig. 3.

Furthermore, it has also been discovered that an unadhered part
5 between a part of the tag holding portion and the extraction bag, that is, a cutout (10), (10)' in the connecting portion, added to the present invention, has a function to hold the extraction bag in a most satisfactory state in a manner hung on the cup rim portion, and furthermore, perforations (12), (12)' and (13), (13)' have a function to hold the extraction bag in a square to circular shape
10 being a shape opened to a maximum extent by making deformation of the part of the connecting portion that contacts with the inner surface of a cup easy. Based on these discoveries, the inventor has arrived at the present invention.

That is, the present invention is a coffee or tea extraction bag (1) comprising a bag (2) and a tag holding portion (3), (3)', the bag (2) being made
15 of a soft sheet having filtration property in a rectangular shape. The two tag holding portions being made of a flexible sheet and being attached to symmetrical positions on both front and rear surfaces of the bag (2), inside the tag holding portion (3), (3)', being provided with, via perforations, a connecting portion (4), (4)' and further, via perforations, a tag (5), (5)', being provided
20 with a cut (6), (6)' opened downward. And on both sides of the cut, being provided with, via bendable perforations or short cut lines, fins (7), (7)' and (8), (8)', wherein

by pulling up the tag (5), (5)', the connecting portion (4) and (4)' and the tag (5) and (5)' are extended in doglegged shape with respect to the tag
25 holding portion and the connecting portion, respectively, and when a cup rim

is inserted in the cuts (6), (6)', fitness to the cup is enhanced by the fins (7), (7)' and (8), (8)'.

Here, being "flexible sheet" is a sheet having rigidity and elasticity to some extent as well as a property to be held, when being deformed, in that
5 shape such as, for example, Kent paper.

Alternatively, the present invention is a coffee or tea extraction bag structured as follows. A coffee or tea extraction bag (1) comprising a bag (2) and a tag holding portion (3), (3)', the bag (2) being made of a soft sheet having filtration property in a rectangular shape, the two tag holding portions being
10 made of a flexible sheet and being attached to symmetrical positions on both front and rear surfaces of the bag body (2), inside the tag holding portion (3), (3)', being provided with, via perforations, a connecting portion (4), (4)' and further, via perforations, a tag (5), (5)', a part (9), (9)' of the tag holding portion (3), (3)' being held in a state not adhered to the extraction bag (1), in
15 the connecting portion (4), (4)', being provided with a fin (11), (11)' via a cutout (10), (10)' and perforations (12), (12)' and (13), (13)', in the tag (5), (5)', being provided with a cut (6), (6)' opened downward, and on both sides of the cut, being provided with, via bendable perforations or short cut lines, fins (7), (7)' and (8), (8)', wherein

20 by pulling up the tag (5), (5)', the connecting portion (4) and (4)' and the tag (5) and (5)' are extended in doglegged shape with respect to the tag holding portion and the connecting portion, respectively, when a cup rim is inserted in the cuts (6), (6)', adaptability to the cup is enhanced by the unadhered part (9), (9)' to the extraction bag, the cutout (10), (10)', the fin (11) and (11)', the perforations (12), (12)' and (13), (13)', the fins (7), (7)' and (8),
25 and (8), (8)', wherein

(8)'.

The present invention further includes the coffee or tea extraction bag according to Claim 1 or Claim 2 of the invention, wherein a position where the cut (6), (6)' is provided in the tag (5), (5)' is set to be long in distance from a
5 boundary between the tag (5), (5)' and the connecting portion (4) and (4)'.

In addition, the present invention also includes the coffee or tea extraction bag according to Claims 1 to 3, wherein an upper end of the bag (1) is sealed, one perforation line for an opening or two or more parallel perforation lines are perforated in an upper portion of the bag, the parallel
10 perorations are provided at alternate positions. Moreover, the present invention also includes the coffee or tea extraction bag according to any one of Claims 1 to 4, wherein a bottom of the bag (1) has a shape including a pointed end.

Furthermore, the present invention includes a raw material roll of the
15 coffee or tea extraction bag for which the tag holding portions as set forth in any one of Claims 1 to 5, are heat-sealed to both sides of a roll-formed filter sheet folded flat at fixed intervals. And then a bag making process is carried out with the roll reeled off while filling therein coffee or the like by a fixed amount or as empty extraction bags.

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(Effects of the Invention)

Although an extraction bag of the present invention is used for extracting coffee and teas such as black tea, the shape and size of cups for these are wide-ranging. For the structure of a connecting part between the
25 extraction bag and the cup rim portion, by inserting a connecting portion

connected via perforations between the tag holding portion and the tag, whether the interval between the extraction bag and the cup rim portion is large or small, it becomes possible to attach the extraction bag without influence of a deformation or the like of the bag. Furthermore, on both sides
5 of the cut line in the tag of the extraction bag, respectively provided is a pair of fins via bendable perforations. Furthermore, also at the part of the connecting portion that contacts with the inner surface of a cup, provided is a fin (11), (11)'. These structural parts allow always holding the position and shape of the extraction bag in an optimal state even when the cup rim portion
10 is largely opened outward.

Brief Description of the Drawings

Fig. 1 shows a front view of a form of a coffee or tea extraction bag of the present invention.

15 Fig. 2 shows a front view of another form of a coffee or tea extraction bag of the present invention.

Fig. 3 shows a perspective view of the extraction bag and a cup in use shown in Fig. 2.

Fig. 4 shows a front view of another form of a coffee or tea extraction
20 bag of the present invention.

Fig. 5 shows a front view of another form of a coffee or tea extraction bag of the present invention.

Fig. 6 shows a front view of another form of a coffee or tea extraction bag of the present invention.

(Description of Reference Numerals)

- 1 coffee or tea extraction bag
- 2 extraction bag
- 3, 3' tag holding portion
- 5 4, 4' connecting portion
- 5, 5' tag
- 6, 6' cut in tag
- 7, 7' fin in tag
- 8, 8' fin in tag
- 10 9, 9' unadhered part of tag holding portion
- 10, 10' cutout in connecting portion
- 11, 11' fin in connecting portion
- 12, 12' perforations in connecting portion
- 13, 13' perforations in connecting portion
- 15 14 coffee cup

Preferred Embodiments

The raw material used in an extraction bag of the present invention widely includes coffee grains and teas such as barley tea and seaweed tea powder besides black tea, Sencha green tea, oolong tea, and other health teas.

The extraction bag of the present invention needs to be a bag made of a soft sheet having filtration property, the material thereof is not particularly limited, and woven fabric, knitting, nonwoven fabric, paper, or a composite material of these can be widely used. There is a subtle difference in filtration

property depend on the quality of the material and constitution of the bag, and this may have an influence on the flavor of an obtained drink of preference. For example, the most important property required for a filter in order to brew coffee excellent in aroma and richness is to prevent fine coffee grains from
5 seeping out in a coffee liquid. Furthermore, it is necessary to adsorb and remove fat contained in the coffee liquid so that no oil film floats on the surface in a cup. These are both elements that seriously impair the taste of coffee and are not preferred since fine grains are rough and unpleasant on the tongue when being mixed therein and oil and fat glistens when it floats on the
10 surface in a cup.

The material of an extraction bag for coffee and the like used in the present invention is not particularly limited, and a wide range of filter fabrics can be used as described above, while as a material to prevent finer grains from seeping and enhance adsorption of oil and fat, known is a nonwoven
15 fabric containing microfibers having a fineness of approximately 0.2 deniers or less. Therefore, such a material is preferred for the bag of the present invention. The microfibers can be manufactured from a thermoplastic polymer by a melt-blowing method. The type of thermoplastic polymer includes polypropylene and polyethylene. Moreover, by using a composite
20 nonwoven fabric of such a microfiber nonwoven fabric layer and a support layer made of fibers having normal-size diameter, filtration property and mechanical properties of the filter fabric can be improved further.

The shape of a bag (2) is a rectangle as shown in Fig. 1, and the bag (2) can be used also by filling coffee grains, tea, or the like inside and
25 immersing in hot water or pouring hot water as is conventionally generally

used. However, it is not necessary to limit the shape to a rectangle, and as a matter of course, the bag (2) can be used even in a square shape. Recently, a method for which a complicated bag holding mechanism made of plastic or thick paper is added to a bag filled with coffee grains has also been used. The
5 extraction bag is held on a cup during extraction and used in such a manner that a lower end of the bag does not contacts with the liquid surface in the cup to collect an extracted solution and the solution always drips from the lower end of the bag.

In addition, it is preferable that the tag holding portion and the tag
10 are made of an flexible sheet. Being "flexible sheet" is a sheet having rigidity and elasticity to some extent as well as a property to be held, when being deformed, in that shape such as Kent paper. This is slightly thick paper, a plastic sheet, or the like. In addition, since the tag holding portion is usually used in a state immersed in hot water, material having the quality
15 of water resistance is preferred.

Although a conventional extraction bag is composed of two parts of a tag holding portion, however, in the present invention, a connecting portion is inserted between the tag holding portion and the tag via perforations. Thus, the connecting portion and the tag are extended in doglegged shape with
20 respect to the tag holding portion and the connecting portion, respectively, by pulling up the tag. Therefore, when a cup rim is inserted in the cuts, it becomes possible to attach the extraction bag with the cup, without influence of deformation or the like of the bag, in spite of the intervals between the extraction bag and the cup rim portion is large or small.

25 The extraction bag of the present invention can be used by sealing an

upper end thereof after filling contents therein and opening the upper end and pouring hot water from that part when being used, or can be used by appropriately placing contents such as coffee grains in the opened bag when being used and pouring hot water on top. Hereinafter, the present invention
5 will now be described in more detail in embodiments.

(Embodiment 1)

Fig. 1 shows a front view of a form of a coffee or tea extraction bag of the present invention. The material of a bag (1) is a double layered laminated sheet of a nonwoven fabric having a weight of 10g/m^2 and a
10 thickness of approximately 0.12mm made of $5\mu\text{m}$ -diameter meltblown polyethylene fibers having excellent filtration property and a nonwoven fabric having a weight of 10g/m^2 and a thickness of approximately 0.08mm made of polyester staple fiber having a fineness of 1.5 deniers (diameter approximately $163\mu\text{m}$) and a length of 50mm . Moreover, on the surface of the bag, a large
15 number of fiber fusion areas are regularly arranged at predetermined intervals. The fiber fusion areas are effective also in improving strength and dimensional stability of the nonwoven fabrics. The ratio of the fiber fusion areas to the entire surface area is approximately 17%.

Fig. 1 shows a front view of a form of a coffee or tea extraction bag of
20 this invention. The extraction bag (1) is composed of a bag (2) and a tag holding portion (3), (3)'. The front shape of the extraction bag (2) is rectangular, and the extraction bag (2) is made of a double layered nonwoven fabric laminate fabrics. In addition, a bag in a form provided on both sides thereof with gathers in order to increase the capacity of the bag can also be
25 used. The tag holding portions (3) and (3)' are attached to symmetrical

positions on both front and rear surfaces of the bag, and inside thereof provided are, via bendable perforations, connecting portions (4) and (4)' and further, via similar bendable perforations, tags (5) and (5)'. With regard to the quality of material, these are all made of slightly thick flexible paper
5 having water resistance. The part of the tag holding portion (3), (3)' is fusion-bonded to the surface of the bag by a heat press, while the connecting portion (4), (4)' and the tags (5), (5)' provided inside thereof and connected via the perforations are not fusion-bonded to the bag surface.

Inside the tag (5), (5)', a cut (6), (6)' is provided opened downward, and
10 provided on both sides of the cut are, via bendable perforations, fins (7), (7)' and (8), (8)' in a shape almost symmetrical left to right with respect to the cut (6), (6)'. Since these fins are flexibly connected to the tag via the perforations, the extraction bag has a function to be held on the cup in a stable manner sufficiently fitted therein by flexibility of these fins, even when there is a
15 difference to some extent between a sectional shape of the cup rim portion and an inclination of the cut (6), (6)' in the tag.

When the extraction bag is used, by pulling and turning up the tag (5), (5)' while holding the same with fingertips, the connecting portion (4), (4)' and the tag (5), (5)' are extended in doglegged shape with respect to the tag
20 holding portion and the connecting portion, respectively. Therefore, when the cup rim is inserted in the cut (6), (6)', fitness to the cup is much improved in combination with flexibility of the fins (7), (7)' and (8), (8)', so that an opening portion of the extraction bag is largely opened in a square shape to an almost circular shape, and the extraction bag is held on the cup in a stable
25 manner.

In this case, since the connecting portion (4), (4)' and the tag (5), (5)' cannot only be extended in doglegged shape, but also be folded up alternatively as described above. Therefore, the extraction bag has a character that this becomes applicable, even when the diameter of the cup rim portion considerably changes, as the extraction bag easily fits therein. By inserting powder or granular coffee inside the extraction bag and pouring boiling water, a coffee liquid extracted within the bag is filtered by the bag and drips in the cup, thus a drink is prepared.

(Embodiment 2)

Fig. 2 shows a front view of a form of a coffee or tea extraction bag of the present invention. Fig. 3 shows a perspective view of this extraction bag mounted on a cup. The extraction bag (1) is composed of a bag (2) and a tag holding portion (3), (3)'. The front shape of the extraction bag (2) is rectangular longer than wide, and the extraction bag body (2) is made of a double layered nonwoven laminated fabric. The tag holding portions (3) and (3)' are attached to symmetrical positions on both front and rear surfaces of the bag, and inside thereof provided are, via bendable perforations, connecting portions (4) and (4)' and further, via similar bendable perforations, tags (5) and (5)'. With regard to the quality of material, these are all made of slightly thick flexible paper having water resistance.

The part of the tag holding portion (3), (3)' is fusion-bonded to the surface of the bag by a heat press, while the connecting portion (4), (4)' and the tag (5), (5)' provided inside thereof and connected via the perforations are not fusion-bonded to the bag surface. However, a part (9), (9)' of the tag holding portion (3), (3)' is held in a state not adhered to the extraction bag (1).

This is a part of a structure to extend the bag to a maximum extent when the bag is used. In the connecting portion (4), (4)', provided are a fin (11), (11)' via a cutout (10), (10)' and perforations and perforations (12), (12)' and (13), (13)'.

5 Since the fin and perforations serve as parts to contact the connecting portion (4), (4)' with the inner surface of a cup when the extraction bag is used, the cutout (10), (10)' is fitted with the cup rim portion to improve stability of the posture of the extraction bag, and the other fin and perforations improve fitness between the extraction bag and cup by flexibility thereof. Therefore,
10 the fin and perforations have a function to decrease distortion of the tag holding portion and the connecting portion when the bag is used and hold the bag on the cup in a state extended these portions to a maximum extent.

 Inside the tag (5), (5)', provided is a cut (6), (6)' opened downward, and provided on both sides of the cup are, via bendable perforations, fins (7), (7)'
15 and (8), (8)' in a shape almost symmetrical with respect to the cut (6), (6)'. Since these fins are flexibly connected to the tag via the perforations, even when there is a difference to some extent between a sectional shape of the cup rim portion and an inclination of the tag cut (6), (6)', the extraction bag has a function allowing to be held on the cup in a stable manner sufficiently fitted
20 therein by flexibility of these fins. The function of these fins and perforations is apparent from the perspective view shown in Fig. 3.

 When the extraction bag is used, by pulling the tag (5), (5)' while holding the same with fingertips, the connecting portion (4), (4)' and the tag (5), (5)' are extended in doglegged shape with respect to the tag holding
25 portion and the connecting portion, respectively. Therefore, when the cup

rim is inserted in the cut (6), (6)', fitness to the cup is improved by the fins (7), (7)' and (8), (8)', so that an opening portion of the extraction bag is largely opened in a square shape or almost round shape, and the extraction bag is held on the cup in a stable manner.

5 In this case, since the connecting portion (4), (4)' and the tag (5), (5)' cannot only be extended in doglegged shape, but also be folded up alternatively. Therefore, the extraction bag has a character that this becomes applicable, even when the diameter of the cup rim portion considerably changes, as the extraction bag easily fits therein. This is the
10 most important characteristics of this invention.

 When coffee or the like is prepared, by inserting powder or granular coffee inside the extraction bag and pouring boiling water, a coffee liquid extracted within the bag is filtered by the bag and drips into the cup, thus coffee is prepared. In this case, since the extraction bag is stably held on the
15 cup suitably for an extracting beverage as shown in Figure 3. Then an opening portion of the bag is maintained widely opened in a square shape or an almost round shape. It is easy to insert powder or granular coffee therein, and the bag shows also excellent character of extraction.

 Furthermore, the present invention also includes the beverage
20 extraction bag as shown in Figure 4, wherein contains fins composed of a number of short cut lines, in one side of the cut (6), (6)' in the tag. Then includes the beverage extraction bag as shown in Fig. 5, wherein contains a few short cut line (7),(7)' and (8),(8)' in both sides of the cut (6), (6)' in the tag. And includes the other beverage extraction bag wherein contains tags having
25 modified figure as shown in Fig. 6.

Industrial Applicability

The present invention can be used in a wide range of methods and places since this is excellent in its function and extraction performance as a
5 easy extraction bag for preparing coffee or the like.

CLAIMS

5 1. A coffee or tea extraction bag (1) comprising a bag (2) and a tag holding portion (3), (3)', the bag (2) being made of a soft sheet having filtration property in a rectangular shape, the two tag holding portions being made of a flexible sheet and being attached to symmetrical positions on both front and rear surfaces of the bag (2), inside the tag holding portion (3), (3)', being provided
10 with, via perforations, a connecting portion (4), (4)' and further, via perforations, a tag (5), (5)', being provided with a cut (6), (6)' opened downward, and on both sides of the cut, being provided with, via bendable perforations or short cut lines, fins (7), (7)' and (8), (8)', wherein

by pulling up the tag (5), (5)', the connecting portion (4) and (4)' and the
15 tag (5) and (5)' are extended in doglegged shape with respect to the tag holding portion and the connecting portion, respectively, and when a cup rim is inserted in the cuts (6), (6)', adaptability to the cup is enhanced by the fins (7), (7)' and (8), (8)'.

2. A coffee or tea extraction bag (1) comprising a bag (2) and a tag holding
20 portion (3), (3)', the bag (2) being made of a soft sheet having filtration property in a rectangular shape, the two tag holding portions being made of a flexible sheet and being attached to symmetrical positions on both front and rear surfaces of the bag body (2), inside the tag holding portion (3), (3)', being provided with, via perforations, a connecting portion (4), (4)' and further, via
25 perforations, a tag (5), (5)', being provided with a cut (6), (6)' opened downward,

and on both sides of the cut, being provided with, via bendable perforations or short cut lines, fins (7), (7)' and (8), (8)', a part (9), (9)' of the tag holding portion (3), (3)' being held in a state not adhered to the extraction bag (1), in the connecting portion (4), (4)', being provided with a fin (11), (11)' via a cutout (10), (10)' and perforations (12), (12)' and (13), (13)', in the tag (5), (5)', being provided with a cut (6), (6)' opened downward, and on both sides of the cut, being provided with, via bendable perforations, fins (7), (7)' and (8), (8)', wherein

by pulling up the tag (5), (5)', the connecting portion (4) and (4)' and the tag (5) and (5)' are extended in doglegged shape with respect to the tag holding portion and the connecting portion, respectively, when a cup rim is inserted in the cuts (6), (6)', adaptability to the cup is enhanced by the unadhered part (9), (9)' to the extraction bag, the cutout (10), (10)', the fin (11) and (11)', the perforations (12), (12)' and (13), (13)', the fins (7), (7)' and (8), (8)'.

3. The coffee or tea extraction bag as set forth in Claim 1 or 2, wherein a position where the cut (6), (6)' is provided in the tag (5), (5)' is set to be long in distance from a boundary between the tag (5), (5)' and the connecting portion (4) and (4)'.

4. The coffee or tea extraction bag as set forth in any one of Claims 1 to 3, wherein an upper end of the bag (1) is sealed, one perforation line for an opening or two or more parallel perforation lines are perforated in an upper portion of the bag, the parallel perforations are provided at alternate positions.

5. The coffee or tea extraction bag as set forth in any one of Claims 1 to 4, wherein a bottom of the bag (1) has a shape including a pointed end.

6. A raw material roll of the coffee or tea extraction bag for which the tag

holding portions as set forth in any one of Claims 1 to 5, are heat-sealed to both sides of a roll-formed filter sheet folded flat at fixed intervals, and then a bag making process is carried out with the roll reeled off while filling therein coffee or the like by a fixed amount or as empty extraction bags.

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