

Committed to Excellence

COFFEE LABORATORY

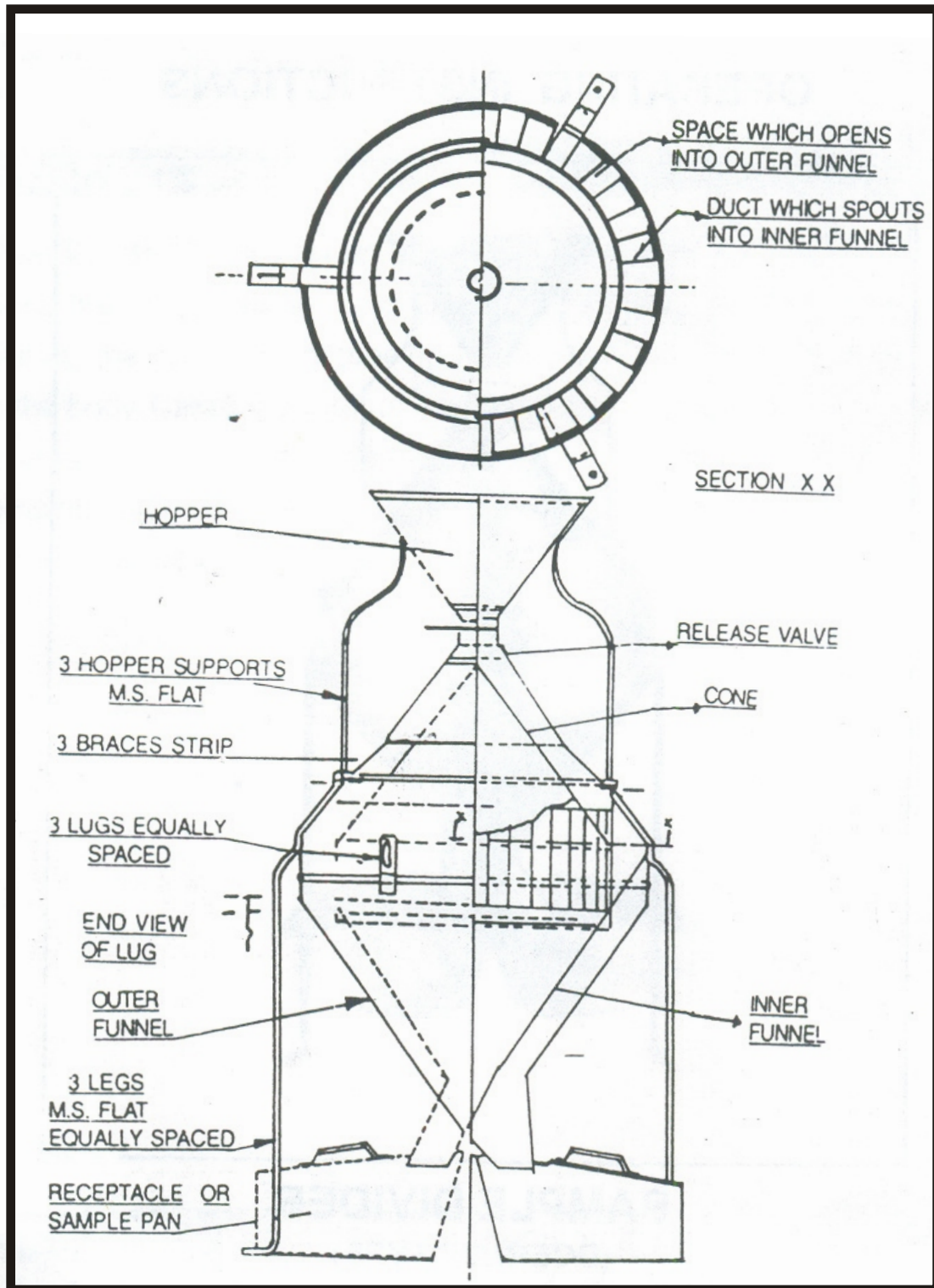
OPERATING INSTRUCTION



SAMPLE DIVIDER (BOERNER TYPE)

ISO 9001 CERTIFIED

SAMPLE DIVIDER (BOERNER TYPE)



WORKING RAY DIAGRAM

INTRODUCTION

The sample divider is required for obtaining the truly representative sample and is used to reduce the size of bulk sample of grain, which may contain substances of specific gravity or size different from that of the grain, to obtain the sample as representatives as original.

The sample divider consists of three parts namely, the Hopper at the top, Body in the middle provided with three legs serving as stand and sample pans (see fig.). The opening at the bottom of the hopper is provided with a release valve or sliding type. Below this an inverted cone is fitted, the point of which is directly under the center of the opening. There are 38 openings around the base of this inverted cone. The grain falling down the sides of the cone is divided into several smaller streams. The alternatives streams merge into the bigger stream and empty into separate sample pans.

OPERATION

To this divider, grain is placed in a hopper at the top and by operating a slide gate, grain passes through an opening at the hopper bottom and strikes the point of the inverted cone. When grain falls down the slides of the cone, its main stream is divided into 38 separate streams merging in two streams at the ends. These two streams are emptied into two sample pans placed under the divider.

SERVICING AND MAINTENANCE

INDOSAW Sample Divider (Boerner Type) has no moving parts. The only maintenance required is periodic cleaning of the accumulated dust and dirt on and inside the divider. The accumulated dirt or dust may be removed by brushing or by blowing dry air on the unit.

OVERHAUL INSTRUCTIONS

When the divider has been used a season and is to be stored for work during the next season, it should be thoroughly cleaned before storage. Take out the funnel (see fig.), which is clipped with three lugs provided on the body. Clean the interior and outer parts of the divider by blowing dry air or by soft brush. After cleaning, fit the outer funnel in its position. Put the complete assembly (with two sample pans) inside the carton box supplied. Store it in a clean and dry place.



ISO 9001:2000
CERTIFICATE No. 3095



ISO 14001:1996
CERTIFICATE No. 3102