

1-2 .

30

1

1 2, 3

(.).

4, 5,

6 7.

8, 9, 25,

[1]

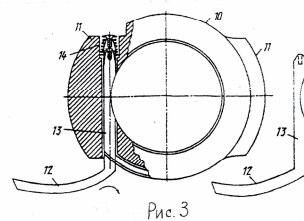
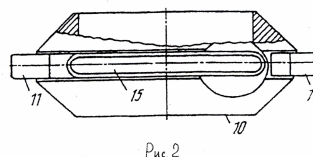
2 3 :

10,

4-5 (11,

12,

13 , 14 12 15



30 [4]. [3] 13 180⁰ 15. 12, 13 180⁰ 14, 8, 9, 25(12), 5 13 4 2 11 2. 7 90⁰
 1/3 1 30 , 11

3 2. 16. , - (,) (-
 4 2-3), , -
 0-10 17. - , -
 , -
 , -
 , -
 , 11
 3 2 - ,
 18 20. -
 19, 20 - 30 - 21. 10 - 20 ,
 6 -
 8, 12, 1.
 13 180°, 917033, 1982 . 2. 1302167, 1986 . 3.
 12 - 15. 8: // 75-
 30-40, 40-50 50-60 , , - ,1993
 22, 23 24. .17-18. 4. , , ,
 . 2144137, 2000 .

A mechanical probe for sampling soils and sediments

S.Kh. Dzanagov, M.M. Mirzoev, A.V. Gazdanov

Gorskii State Agrarian University, ul. Kirova 37, Vladikavkaz, 362000 Russia

Summary. A mechanical probe based on the action of powder gases was developed for sampling soils and sediments from depths of 1 m and deeper.

Key words: mechanical probe, soil samples