



(51) International Patent Classification:
G01N 3/12 (2006.01)

(21) International Application Number:
PCT/CA2014/000079

(22) International Filing Date:
3 February 2014 (03.02.2014)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/760,515 4 February 2013 (04.02.2013) US

(71) Applicant: CAR-BER INVESTMENTS INC. [CA/CA];
15 Mason Street, Wallaceburg, Ontario N8A 2L1 (CA).

(72) Inventors: BERUBE, Guy; 794 Talfourd Street, Sarnia,
Ontario N7T 1S2 (CA). BLAIR, Tom; 453 Stoddard
Street, Port Lambton, Ontario N0P 2B0 (CA). UZONYI,
Dave; 11 Walnut Drive, Wallaceburg, Ontario N8A 3L1
(CA).

(74) Agent: PARLEE MCLAWS LLP; 1500 Manulife Place,
10180 - 101 Street, Edmonton, Alberta T5J 4K1 (CA).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY,
BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,

HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR,
KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,
MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ,
OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA,
SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,
MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to the identity of the inventor (Rule 4.17(i))
- as to applicant's entitlement to apply for and be granted a
patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the
earlier application (Rule 4.17(iii))

Published:

- with international search report (Art. 21(3))

(54) Title: APPARATUS FOR CLOSING AND SEALING THE OPEN END OF A PIPE



(57) Abstract: The tool comprises a front plate for closing the open end of a pipe. A pair of clamping devices are positioned around the pipe and frictionally engage its outer surface. Nut and bolt assemblies connect the front plate with the clamps. These assemblies pull the front plate tight against the pipe end face. A back plate is positioned transversely within the bore of the pipe. The plate has a stem that slidably projects forwardly through a central aperture in the front plate. The back plate carries an O-ring. A nut is threaded onto the stem and functions to draw the back plate forward so that the O-ring seals the interface of the front plate and pipe end face.