



mf / Mr Pels

DIE PROVINSIE TRANSVAAL
Guitengewone
Offisiële Koerant.



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PROVINSIALE ADMINISTRASIE.

ADMINISTRATEURSKENNISGEWING.

Onderstaande kennisgewing wat betrekking het op die administrasie van die Provinsie Transvaal word op gesag van die Administrateur vir algemene inligting gepubliseer.

H. F. CLEAVER,
Waarnemende Provinsiale Sekretaris.
Kantoor van die Administrateur van Transvaal, Pretoria.

Administrateurskennisgewing No. 147.] [5 Maart 1958.
GESONDHEIDSKOMITEES VAN LEEUWDOORNS-
STAD, ORKNEY EN STILFONTEIN.—WATER-
VOORSIENINGSREGULASIES.

Die Administrateur publiseer hierby ingevolge sub-
artikel (3) van artikel *honderd vier-en-sestig* van die
Ordonnansie op Plaaslike Bestuur, 1939, die regulasies in
die bygaande Bylae uiteengesit, wat deur hom ingevolge
paragraaf (a) van subartikel (1) van artikel *honderd ses-
en-twintig* van genoemde Ordonnansie gemaak is.
T.A.L.G. 5/104/99.

BYLAE.

GESONDHEIDSKOMITEES VAN LEEUWDOORNSSTAD, STIL-
FONTEIN EN ORKNEY.—WATERVOORSIENINGSREGULASIES.

HOOFSTUK 1.

ALGEMENE BEPALINGS.

WOORDOMSKRYWING.

1. Vir die toepassing van hierdie deel van hierdie regu-
lasies, tensy die sinsverband anders aandui, beteken—
„verbindingspyp”, ’n pyp van die hoofwaterpyp af na
die perseel van ’n verbruiker wat loop tot by die
straatgrens van sodanige perseel wat die naaste aan
die hoofwaterpyp lê, of ingeval die meter ingevolge
die bepalings van hierdie deel van hierdie regulasies
op die perseel van ’n verbruiker aangebring is, tot
by die inlaatopening van die meter;
„verbruiker”, die okkupeerder van ’n perseel waaraan
die Raad kragtens ’n ooreenkoms water moet lewer,
of die eienaar daarvan, of enigeen aan wie die Raad
kragtens ’n ooreenkoms water moet lewer, of wat
wettiglik water van die Raad verkry;
„raad” beteken onderskeidelik die Gesondheidskomi-
tees van Leeuwdoornstad, Stilfontein en Orkney en
hulle onderskeie regsopvolgers;
„huishoudelike doeleindes”, ook alle huishoudelike
doeleindes, maar omvat nie die gebruik van water
vir ’n enjin of masjien, of in verband met mynbe-
drywighe of uitgrawingswerk; die deurspoeling van
’n riool of voor, of vir enige bedryfs-, nywerheids- of

A—3969200

PROVINCIAL ADMINISTRATION.

ADMINISTRATOR'S NOTICE.

The following notice relating to the administration of
the Province of the Transvaal is published under the
authority of the Administrator for general information.

H. F. CLEAVER,
Acting Provincial Secretary.
Office of the Administrator of Transvaal, Pretoria.

Administrator's Notice No. 147.] [5 March 1958.
LEEUWDOORNSSTAD, ORKNEY AND STIL-
FONTEIN HEALTH COMMITTEES.—WATER
SUPPLY REGULATIONS.

The Administrator hereby in terms of sub-section (3)
of section *one hundred and sixty-four* of the Local
Government Ordinance, 1939, publishes the regulations
set forth in the Schedule hereto, which have been made
by him in terms of paragraph (a) of sub-section (1) of
section *one hundred and twenty-six* of the said Ordinance.
T.A.L.G. 5/104/99.

SCHEDULE.

LEEUWDOORNSSTAD, STILFONTEIN AND ORKNEY HEALTH
COMMITTEE.—WATER SUPPLY REGULATIONS.

CHAPTER 1.

GENERAL PROVISIONS.

DEFINITIONS.

1. For the purpose of this part of these regulations, un-
less the context indicates otherwise—
“communication pipe” means any pipe leading from
a main to the premises of any consumer as far as
the street boundary of such premises situated nearest
to such main, or in cases where the meter is installed
inside the premises of any consumer in terms of this
part of these regulations as far as the inlet of the
meter;
“consumer” means the occupier of any premises which
the Council has contracted to supply with water or
the owner or any person who has entered into a
contract with the Council for the supply of water or
who is lawfully obtaining water from the Council;
“Council” means the Health Committees of Leeuw-
doornstad, Stilfontein and Orkney respectively or
their respective successors in title.
“domestic purpose” includes every kind of household
purpose, but shall not include the use of water for
any engine or machine, or for any mining or quarry-
ing operations, or for the flushing of any sewer or
drain, or for any purpose connected with any trade,

besigheidsdoeleindes, of om 'n pad, paadjie of sy-paadjie mee af te spoel, of vir tuinboudoeleindes, of om 'n tennisbaan, rolbalveld of enige ander stuk grond wat in verband met openbare sportdoeleindes gebruik word, nat te maak;

„hoofwaterpyp”, enige pyp, waterleiding of ander in- rigting wat geheel en al onder beheer van die Raad staan, en wat hy gebruik met die doel om water na die verbruikers aan te voer, maar dit omvat nie 'n verbindingspyp soos dit hierin omskryf word nie;

„Munisipaliteit” beteken die onderskeidelike regs- gebiede van die Gesondheidskomitees van Leeuw- doornsstad, Stilfontein en Orkney en hulle onderskeie regsopvolgers;

„syleidingstelsel”, alle pype en toestelle wat die Raad gebruik of voornemens is om te gebruik met die doel om water te verskaf, en wat op die perseel wat die verbruiker okkupeer of wat aan hom behoort, geleë is;

„syleiding”, enige pyp wat by so 'n syleidingstelsel in- gesluit is;

„tarief”, die tarief wat in Aanhangsel by hoofstukke 3 en 6 van hierdie deel van hierdie regulasies vervat is.

DOMICILIUM CITANDI.

(2) Dit word beskou dat, met die doel om 'n kennis- gewing, 'n bevelskrif of 'n ander dokument ingevolge hierdie deel van hierdie regulasies uit te reik, die adres van die verbruiker wat in die boeke van die tesourier aangegee word, die *domicilium citandi* van die verbruiker is.

OORTREDING VAN DIE VERORDENINGE.

3. 'n Eienaar of okkupeerder wat op sy perseel 'n syleidingstelsel of 'n gedeelte daarvan, of 'n meter of 'n toestel wat nie aan die bepalings van hierdie deel van hierdie regulasies voldoen nie, het of gebruik, en iede- een wat op 'n perseel 'n syleidingstelsel, of 'n deel daar- van, of 'n meter of toestel verskaf, aanbring, aanlê of aansluit, of wat veroorsaak of toelaat dat dit verskaf, aanbring, aangelê of aangesluit word, is skuldig aan 'n misdryf.

AANSPEEKLIKHEID VAN DIE VERBRUIKER.

4. Die verbruiker word, tot tyd en wyl die teendeel bewys is, aanspreeklik gehou vir enige oortreding van hierdie deel van hierdie regulasies, wat op sy perseel begaan word.

TOEGANG EN ONDERSOEK DEUR BEAMPTES.

5. (1) Die ingenieur of enige ander behoorlik gemag- tigde beampte van die Raad mag met die doel om hierdie regulasies toe te pas, op alle redelike tye, of te eniger tyd in geval van nood, 'n perseel betree sonder om vooraf daarvan kennis te gee, en sodanige ondersoek daar instel en navraag daar doen as wat hy nodig ag: Met dien verstande dat, wanneer so 'n beampte 'n perseel betree, moet hy meld wat die doel van die inspeksie, ondersoek en navraag is, indien hy daarom gevra word.

(2) Indien so 'n beampte, met die doel om die onder- soek- of inspeksiewerk of enige ander werk ingevolge hierdie deel van hierdie regulasies te verrig, dit nodig ag, kan hy ná kennisgewing van 24 uur, of indien hy dit noodsaaklik ag, onmiddellik sonder kennisgewing, die grond, beton, stene, hout, metaalwerk of enige gedeelte van sodanige perseel op koste van die verbruiker, ver- wyder.

(3) Die Raad is nie aanspreeklik vir vergoeding ten opsigte van werk wat sy beamptes ingevolge subartikel (2) hiervan verrig nie: Met dien verstande dat, indien sodanige ondersoek ingestel word net met die doel om vas te stel of hierdie deel van hierdie regulasies oortree word, en sodanige oortreding nie ontdek word nie, die Raad die koste verbonde aan dié ondersoek, tesame met die koste daaraan verbonde om die perseel weer in sy vorige toestand te herstel, moet betaal.

manufacture or business, or for the cleansing of any road, path or pavement, or for garden purposes, or for the watering of any tennis court, bowling green or any other ground used in connection with public sporting purposes;

“main” means any pipe, aqueduct or other work under the exclusive control of the Council and used by it for the purpose of conveying water to con- sumers, but does not include any communication pipe, as herein defined;

“Municipality” means the areas of jurisdiction of the Health Committees of Leeuwdoornsstad, Stilfontein or Orkney, respectively, or their respective succes- sors in title;

“service” means all pipes and apparatus used or intended to be used for or in connection with the supply of water by the Council and situated on the premises occupied or owned by the consumer;

“service pipe” means any pipe included in any such service;

“tariff” means the tariff of charges contained in Annexures of Chapters 3 and 6 of this part of these regulations.

DOMICILIUM CITANDI.

2. For the purpose of the service of any notice, order or other document under this part of these regulations the address of the consumer registered in the books of the treasurer shall be deemed to be the *domicilium citandi* of the consumer.

INFRINGEMENT OF BY-LAWS.

3. Any owner or occupier having or using upon his premises, and any person providing, installing laying down or connecting, or causing or permitting to be pro- vided, installed laid down or connected, upon any premises any service or part thereof or any meter or apparatus which fails to comply with the requirements of this part of these regulations shall be guilty of an offence.

LIABILITY OF CONSUMER.

4. Any breach of this part of these regulations com- mitted on the premises of any consumer shall be deemed to be a breach by such consumer unless and until he shall prove to the contrary.

ENTRY AND INSPECTION BY OFFICIALS.

5. (1) The engineer or any other duly authorised ser- vant of the Council may for any purpose connected with the carrying out of these regulations at all reasonable times or at any time in an emergency and without previous notice enter upon any premises and make such examination and enquiry thereon as he may deem neces- sary: Provided, that upon entry on any premises such official if required shall state the reason for such inspec- tion, examination and enquiry.

(2) Where such official considers it necessary for the purpose of examination or inspection or of carrying out any other work under this part of these regulations he may at the expense of the consumer after having given 24 hours' notice, or at once without giving any notice if in his opinion immediate action is necessary, move any earth, concrete, brick, wood, metal work or any part of such premises.

(3) The Council shall not be liable to pay any com- pensation in respect of work carried out by its officials under sub-section (2) hereof: Provided that where any such inspection is made for the sole purpose of discover- ing a breach of this part of these regulations and no such breach is discovered, the Council shall bear the expense connected with such inspection, together, with that of restoring the premises to their former condition.

HOOFTSTUK 2.

BEPALINGS BETREFFENDE WATERVOOR-
SIENING DEUR DIE RAAD.

AANSLUITINGS MOET NET DEUR DIE RAAD BEWERKSTELLIG
WORD.

11. Niemand behalwe 'n gemagtigde beampte van die Raad mag 'n aansluiting met 'n hoofwaterpyp of 'n verbindingspyp bewerkstellig nie: Met dien verstande dat die eienaar of die verbruiker die syleidingstelsel by die verbindingspyp, of in die geval van 'n meter wat op 'n perseel aangebring is, by die uitlooppyp van die meter soos dit deur die Raad verskaf is, mag aansluit.

AANSLUITING BY ANDER VOORSIENINGSTELSELS.

12. Geen syleiding, tenk, waterbak of ander toestel wat vir die opberging of aanvoer van water wat die Raad voorsien, gebruik word, mag regstreeks by 'n ander water-voorsieningstelsel aangesluit word nie, tensy daar aan die vereistes van die Regulasies insake Publieke Gesondheid met betrekking tot sodanige ander stelsel, voldoen is nie.

ONGEMAGTIGDE GEBRUIK VAN WATER.

13. Niemand wat nog nie 'n kontrak vir die voorsiening van water met die Raad gesluit het, en andersins die bepalings van hierdie deel van hierdie regulasies nagekom het nie, mag, alvorens die skriftelike toestemming van die Raad verkry is, water uit 'n hoofwaterpyp, verbindingspyp, opgaardam, waterpyp, waterbak of iets anders wat water bevat wat aan die Raad behoort, gebruik, of 'n aansluiting daarby bewerkstellig of laat bewerkstellig nie.

BESKADIGING VAN WATERVOORSIENINGSTELSEL.

14. Niemand mag opsetlik of weens nalatigheid 'n hoofwaterpyp, 'n verbindingspyp of meter of enige ander inrigting of toestel wat aan die Raad behoort en wat hy in verband met watervoorsiening gebruik, of wil gebruik, beskadig of laat beskadig nie.

BESOEDELING VAN DIE WATERVOORRAAD.

15. Niemand mag—

- (a) in 'n waterstroom, opgaardam, waterleiding of ander plek wat water bevat wat alles of gedeeltelik aan die Raad behoort, of onder die beheer of bestuur van die Raad staan, en wat vir, of in verband met die voorsiening van water aan die inwoners van die voorsieningsgebied gebruik word, baai, of 'n dier daarin was, gooi, of veroorsaak of toelaat dat dit daarin gaan nie, tensy andersins vermeld;
- (b) afval, vuilgoed, vuilis of ander skadelike stof in so'n waterstroom, opgaardam, waterleiding of ander plek gooi nie, of materiaal, wol, leer, of die vel van 'n dier, klere of ander stowwe daarin was, skoonmaak of plaas nie;
- (c) veroorsaak of toelaat dat die water uit 'n wasbak, riool, afvoersloot, stoommasjien, stoomketel, of ander vuil water of vloeistof, waaroor hy beheer moet uitoefen, in so'n waterstroom, opgaardam, hoofwaterpyp, waterleiding of ander plek loop of daarin kom nie, of enige ander daad verrig waardeur die water van die Raad wat vir die gebruik van die inwoners van die voorsieningsgebied bedoel is, besoedel sal raak nie.

MENG VAN REËNWATER MET WATER WAT DIE RAAD
VOORSIEN.

16. Niemand mag veroorsaak of toelaat dat—

- (a) 'n syleiding met 'n waterbak, vat of ander houer wat gebruik word of bedoel is om water wat uit 'n ander bron as uit die Raad se hoofwaterpyp afkomstig is, in op te vang of te hou, of met 'n houthouer wat nie 'n behoorlike metaalvoering in het nie, verbind word nie;
- (b) reënwater in 'n tenk of waterbak wat deur die Raad van water voorsien word, loop nie.

CHAPTER 2.

PROVISIONS RELATING TO THE COUNCIL'S
WATER SUPPLY.

CONNECTIONS BY COUNCIL ONLY.

11. No connection shall be made to any main or communication pipe except by an authorised servant of the Council, provided that the connecting up of the service to the communication pipe or in the case of a meter, installed inside any premises to the outlet pipe from the meter as provided by the Council may be carried out by the owner or consumer.

CONNECTIONS TO OTHER SUPPLIES.

12. No service pipe, tank, cistern or apparatus for storing or conveying water supplied by the Council shall be directly connected with any other system of water supply, unless the requirements of the Public Health Regulations in relation to such other system have been complied with.

UNAUTHORISED TAKING OF WATER.

13. No person who has not entered into a contract with the Council for a supply of water and otherwise complied with the requirements of this part of these regulations shall take any water from, or make or cause to be made any connection with any main, communication pipe, reservoir, hydrant, conduit pipe, cistern or other place containing water belonging to the Council except with the written permission of the Council first had and obtained.

DAMAGE TO WATER SYSTEM.

14. No person shall wilfully or negligently damage or cause to be damaged any main, communication pipe or meter or other plant or apparatus belonging to the Council and used or intended to be used by it in connection with the supply of water.

POLLUTION OF SUPPLY.

15. No person shall—

- (a) bathe in any stream, reservoir, aqueduct or other place which contains water belonging wholly or partly to the Council or under the control or management of the Council and which is used for or in connection with the supply of water to the inhabitants of the area of supply or wash, throw, or cause or permit to enter therein any animal, unless stated to the contrary;
- (b) throw any rubbish, dirt, filth or other deleterious matter into such stream, reservoir, aqueduct or other place, or wash or cleanse therein any cloth, wool, leather or skin of any animal, clothes or other matter;
- (c) cause or permit the water of any sink, sewer, drain, steam engine, boiler or other unclean water or liquid for the control of which he is responsible, to run or be brought into any such stream, reservoir, main, aqueduct or other place or do any other act whereby the water of the Council intended for supply to the inhabitants of the area of supply may be polluted.

MIXING OF RAIN WATER WITH COUNCIL'S SUPPLY.

16. No person shall cause or permit—

- (a) any service pipe to be connected to any cistern, but or other receptacle used or intended to be used for the reception or storage of water obtained from any source other than the Council's mains or with any wooden receptacle which is not furnished with a proper metallic lining;
- (b) rain water to flow into any tank or cistern supplied with water by the Council.

HOOFSTUK 3.

VOORSIENINGSVOORWAARDES.

AANSOEK OM WATERVOORSIENING.

22. Daar moet by die toepaslike kantoor, skriftelik aansoek om watervoorsiening gedoen word vir watter doel ook al op die toepaslike aansoekvorm soos deur die Raad van tyd tot tyd bepaal en in sodanige aansoek moet die applikant vermeld vir watter doel die water benodig word.

DEPOSITO'S.

23. (1) Elke applikant, met uitsondering van die Regering van die Unie van Suid-Afrika, die Provinsiale Administrasie of die Suid-Afrikaanse Spoorweë en Hawens, wat aansoek om watervoorsiening doen, moet, wanneer hy die ooreenkoms ten opsigte van dié watervoorsiening onderteken, en voordat die water gelewer word, 'n bedrag wat die Tesourier vasstel op grondslag van die koste van die maksimum-hoeveelheid water wat so'n applikant na die mening van die Tesourier moontlik gedurende enige maand in die jaar sal verbruik, deponeer: Met dien verstande dat—

(a) daar in elke geval minstens £1 (een pond) gestort moet word; en

(b) indien die tesourier dit wenslik ag, hy kan vereis dat 'n deposito wat gebaseer is op die maksimum-hoeveelheid water wat die applikant na sy mening moontlik gedurende enige twee maande van die jaar mag verbruik, gestort moet word.

(2) Indien die tesourier te eniger tyd 'n verbruiker aansê om sodanige deposito te verhoog, aangesien dit nie voldoende is om die koste van die maksimum-verbruik waarvan in subartikel (1) hierbo melding gemaak word, te dek nie, moet die verbruiker die addisionele bedrag wat die tesourier eis, dadelik stort, en ingeval die addisionele bedrag nie binne een maand betaal word nie, kan die Raad die toevoer staak.

(3) Dié deposito moet aan die verbruiker terugbetaal word wanneer die ooreenkoms verval: Met dien verstande dat, ingeval die Raad se boeke aantoon dat die verbruiker 'n bedrag aan die Raad skuld, die tesourier geregtig is om die hele, of 'n gedeelte van die bedrag wat aldus gestort is, ter delging van dié skuld te behou.

SPESIALE OOREENKOMSTE.

(1) Ondanks andersluidende bepalings in enige ander artikel van hierdie regulasies vervat, is die Raad bevoeg om die volgende bepalings in enige sodanige spesiale ooreenkoms op te neem:—

(a) Waar 'n massavoorraad gelewer word aan 'n verbruiker wat buite die munisipaliteit woon, kan die Raad toelaat dat sodanige verbruiker die water aan ander verbruikers wat buite die munisipaliteit woon, by die kleinmaat verkoop;

(b) waar die Raad die herverkoop van water deur 'n verbruiker toelaat, kan hy voorwaardes stel om die maksimum- en minimum-prys waarteen die water deur sodanige verbruiker herverkoop kan word, vas te stel en genoemde Raad kan, as 'n voorafgaande voorwaarde waarop magtiging vir die herverkoop van water verleen word, gelas dat planne van 'n voorgestelde waterleweringstelsel en die pypnet daarvoor by die Raad ter goedkeuring ingedien moet word;

(c) waar water aan 'n verbruiker deur middel van meer as een aansluiting by die Raad se hoofwaterpype gelewer word, kan die Raad vasstel op watter wyse en tye die lewering uit een of meer sodanige aansluiting deur die verbruiker gebruik kan word;

(d) die Raad kan die maksimum-hoeveelheid wat aan 'n verbruiker gelewer moet word, asook die ure of tydperke wanneer 'n verbruiker tot lewering geregtig is, vasstel;

CHAPTER 3.

CONDITIONS OF SUPPLY.

APPLICATION FOR SUPPLY.

22. Application for the supply of water for any purpose whatsoever shall be made in written form at the designated appropriate office and on the appropriate written application form as determined by the Council from time to time and the applicant shall in such application state for what purpose the water is required.

DEPOSITS.

23. (1) Except in the case of the Government of the Union of South Africa, the provincial Administration or the South African Railways and Harbours, every applicant for a supply of water shall, upon signing an agreement for such supply, and before such supply is given, deposit with the Council a sum of money which shall be fixed by the treasurer on the basis of the cost of the maximum amount of water which such applicant is, in the opinion of the treasurer, likely to use during any month in the year. Provided that—

(a) in every case a sum of not less than one pound (£1) shall be deposited; and

(b) where the treasurer deems it advisable, he may require a deposit based upon the maximum amount of water which, in his opinion, the applicant is likely to use during any two months in the year.

(2) Where at any time the treasurer gives notice to any consumer, requiring such deposit to be increased as not being sufficient to cover the cost of such maximum amount referred to in sub-section (1) hereof, the additional sum so required by the treasurer shall forthwith be deposited by the consumer, and in the event of such additional amount not being deposited within one month the Council shall have the right to discontinue the supply.

(3) Such deposit shall be refunded to the consumer upon the termination of the agreement: Provided that in the event of any sum being shown in the Council's books as due from the consumer to the Council, the treasurer shall be entitled to set off in payment the whole or any portion of the sum so deposited against any such sum shown as due and to retain that portion of the deposit thus set off.

SPECIAL AGREEMENTS.

(1) Notwithstanding anything to the contrary in any other section of these regulations contained, it shall be lawful for the Council to make the following provisions in any special agreement:—

(a) Where a supply in bulk is given to any consumer resident outside the municipality, the Council may permit such consumer to retail the water to other consumers resident outside the municipality.

(b) Where the Council permits any consumer to re-sell water, it may impose conditions fixing the maximum and minimum price at which the water may be re-sold by such consumer and may require that plans of any proposed reticulation system be submitted to the Council for approval as a condition precedent to authority to re-sell being given.

(c) Where any consumer is given a supply by means of more than one connection from the Council's mains the Council may stipulate the manner in which and the times during which the supply from any one or more such connection may be used by the consumer.

(d) The Council may stipulate the maximum quantity to be supplied to any consumer and may fix the hours or periods during which any consumer shall be entitled to supply.

(e) die Raad kan die prys vasstel waarteen water aan 'n verbruiker gelewer moet word: Met dien verstande dat sodanige prys nie vasgestel mag word nie op minder as die werklike koste van die water vir die Raad, sonder inbegrip van die distribusiekoste, of op meer as 50 persent bo die maksimumvordering op die betrokke verbruiker van toepassing, soos uiteengesit in die Aanhangsel by hierdie Hoofstuk.

(2) Behalwe soos by subartikel (2) hiervan bepaal, moet die bepalings van enige sodanige spesiale ooreenkoms andersins met die bepalings van hierdie regulasies ooreenstem.

STAKING VAN DIE TOEVOER.

25. (1) Die Raad mag sonder om skadevergoeding te betaal en sonder om sy reg om betaling te eis ten opsigte van water wat aan die verbruiker gelewer is, te benadeel, ophou om water aan die verbruiker te lewer indien hy—

- (a) in gebreke gebly het om geld wat ingevolge hierdie deel van hierdie regulasies aan die Raad verskuldig is, te betaal;
- (b) opsetlik of weens nalatigheid 'n hoofwaterpyp, verbindingspyp, meter of ander inrigting of toestel wat aan die Raad behoort en wat hy in verband met die watervoorsiening gebruik, of wat bedoel is om in verband daarmee gebruik te word, beskadig het, laat beskadig het of toegelaat het dat dit beskadig word;
- (c) enigeen van die bepalings van hierdie deel van hierdie regulasies oortree het;
- (d) aan 'n inrigting of toestel wat onder beheer van die Raad staan en wat hy in verband met die watervoorsiening gebruik, of wat bedoel is om daarvoor gebruik te word, gepeuter of hom daarmee bemoei het, of toegelaat of veroorsaak het dat dit geskied: Met dien verstande dat in die gevalle wat in paragrawe (b), (c) en (d) genoem word, die verbruiker minstens sewe dae vooraf verwittig moet word dat sy toevoer gestaak sal word.

(2) Die Raad is nie aanspreeklik vir skadevergoeding aan 'n verbruiker, indien hy die watertoevoer staak in die *bona fide*-oortuiging dat enigeen van die omstandighede wat in subartikel (1) hiervan vermeld word, hulle voorgedoen het nie.

(3) Die verbruiker moet die bedrag wat in die tarief voorgeskryf word ten opsigte van die staking van die watertoevoer ingevolge hierdie artikel, aan die Raad betaal.

(4) Ingeval die Raad te eniger tyd die toevoer van water aan so 'n verbruiker hervat, moet die verbruiker die bedrae wat in die tarief voorgeskryf word, aan die Raad betaal, tensy hy bewys dat die Raad nie geregtig was om ingevolge die bepalings van subartikel (1), die toevoer te staak nie.

OPSEGGING VAN 'N OOREENKOMS.

26. Die Raad of die verbruiker kan te eniger tyd 'n ooreenkoms wat ingevolge hierdie regulasies aangegaan is, opse, deur aan die ander belanghebbende party minstens 7 (sewe) dae vooraf skriftelik kennis te gee van die voorneme om dit te doen.

AFSLUITING VAN TOEVOER BY OPSEGGING VAN OOREENKOMS.

27. Indien 'n ooreenkoms ten opsigte van watervoorsiening tussen die Raad en die verbruiker opgesê word, is die Raad geregtig om die toevoer af te sluit: Met dien verstande dat die toevoer nie afgesluit word nie, indien die nuwe verbruiker hom verbind om die koste te betaal van die water wat gebruik is van die datum af waarop die laaste gewone aflesing van die meter plaasgevind het, of ten opsigte van 'n spesiale aflesing van die meter teen die koste wat in die tarief vasgestel is.

SPEZIALE BEPERKINGS.

28. (1) Die Raad kan te eniger tyd die toevoer van water aan die hele of aan enige gedeelte van die voorsieningsgebied tot tye beperk, al na hy besluit, en hy kan

(e) The Council may stipulate the price at which the supply is to be given to any consumer: Provided that such price shall not be fixed at less than the actual cost to the Council of the water, excluding costs of distribution, nor at more than 50 per cent above the maximum charge applicable to the consumer concerned, as set out in the Annexure to this Chapter.

(2) Save as is provided in sub-section (2) hereof, the terms of any such special agreement shall otherwise conform with the provisions of these regulations.

CUTTING OF SUPPLY.

25. (1) Without paying compensation and without prejudice to its rights to obtain payment for water supplied to the consumer, the Council may cut off the supply to any consumer where such consumer has—

- (a) failed to pay any sum due to the Council under these regulations;
- (b) wilfully or negligently damaged or caused or permitted damage to be inflicted upon any main, communication pipe, meter or other plant or apparatus belonging to the Council and used or intended to be used by it in connection with the supply of water;
- (c) committed a breach of any of the provisions contained in these regulations;
- (d) tampered or interfered with or caused or permitted any tampering or interference with any plant or apparatus under the Council's control and used or intended to be used by it in connection with the supply of water: Provided that in cases falling under paragraphs (b) (c) and (d), not less than seven days' notice shall be given to any consumer prior to the cutting off of the supply.

(2) The Council shall not be liable for damages to any consumer where it cuts off the water supply in the bona fide belief that any of the circumstances mentioned in sub-section (1) hereof have occurred.

(3) The consumer shall pay to the Council the fee as prescribed in the tariff for cutting off water in terms of this section.

(4) In the event of the Council at any time resuming the supply of water to such consumer, the consumer shall pay to the Council such charges as are prescribed in the tariff unless he establishes that the Council was not entitled in terms of sub-section (1) to cut off such supply.

TERMINATION OF AGREEMENT.

26. The Council or the consumer may at any time terminate any agreement under these regulations by giving not less than seven (7) days' notice in writing to the other party of the intention to do so.

DISCONNECTION OF SUPPLY ON TERMINATION OF AGREEMENT.

27. Where any agreement for supply between the Council and the consumer has been terminated, the Council shall be entitled to disconnect such supply: Provided that no such disconnection shall be carried out where the new consumer accepts liability for payment for water consumed as from the date of the previous ordinary reading of the meter or for a special reading of the meter at the charge fixed in the tariff.

SPECIAL RESTRICTIONS.

28. (1) The Council may at any time restrict the supply of water to the whole or any portion of the area of supply to such hours as it may decide, and it may

verbied dat water vir enige besondere doel of vir enige doel behalwe die bepaalde doel, na gelang van die geval, gebruik word.

(2) Iemand wat water gedurende tydperke waarin verbruik verbode is, of vir verbode doeleindes, of vir ander doeleindes as dié wat bepaal is, na gelang van die geval, gebruik nadat die verbod deur die Raad by openbare kennisgewing bekendgemaak is, is skuldig aan 'n misdryf.

(3) Vir die toepassing van hierdie artikel, beteken „openbare kennisgewing” 'n aankondiging in elkeen van die amptelike tale in een of meer uitgawes van 'n nuusblad wat in die voorsieningsgebied gelees word.

VERSUIM OM WATER TE VOORSIEN.

29. Die Raad is nie aanspreeklik vir enige versuim om water te voorsien, of ten opsigte van 'n gebrek in die gehalte van die water wat voorsien is, waaraan dit ook al te wyte is nie.

WATERDRUK.

30. (1) Onderworpe aan die bepalings van hierdie verordeninge, mag daar nie beskou word dat die Raad onderneem of waarborg om te eniger tyd 'n bepaalde waterdruk by enige plek in die Raad se watertoevoerstelsel te handhaaf nie.

(2) Indien daar aansoek gedoen word om 'n watertoevoer na 'n perseel wat hoër lê as die vlak wat deur middel van die gewone druk in die Raad se hoofwaterpyp bedien kan word, of indien water daar benodig word, is dit die plig van die applikant of verbruiker om water aan dié perseel te verskaf en die toevoer in stand te hou: Met dien verstande dat, onderworpe aan die bepalings van hierdie artikel, die Raad kan instem om water uit sy hoofwaterpyp waar dit beskikbaar is, aan dié perseel te voorsien.

VERKOOP VAN WATER DEUR VERBRUIKERS.

31. Geen verbruiker mag—

- (a) water wat die Raad aan hom lewer, verkoop nie, behalwe soos bepaal in artikel 24; of
- (b) sodanige water van sy perseel af verwyder, laat verwyder, of toelaat dat dit verwyder word nie, behalwe soos bepaal in artikel 62.

SPESIALE BEPALINGS BETREFFENDE WATERVOORSIENING DEUR MIDDEL VAN VERPLAASBARE METERS.

32. Benewens die bepalings wat in hierdie regulasies vervat is, is die volgende spesiale bepalings van toepassing op watervoorsiening deur middel van 'n verplaasbare meter, en daar moet beskou word dat hulle by enige ooreenkoms ten opsigte van sodanige voorsiening ingesluit is:—

- (a) Indien die Raad water uit brandkrane moet voorsien, moet hy 'n verplaasbare meter om die voorraad mee af te meet, asook 'n standpyp, brandkraankoppeling, waterslange en die vereiste verbindingstukke ten einde aansluiting by die meter te bewerkstellig, verskaf.
- (b) Die verbruiker moet ten opsigte van elke verplaasbare meter wat verskaf word, die bedrag wat in die tarief voorgeskryf is, vooruit aan die Raad betaal en die Raad moet hierdie bedrag hou as waarborg dat al die bepalings van enige ooreenkoms met betrekking tot die verskaffing van so 'n meter, nagekom sal word, en dat die verbruiker die koste van al die water wat aan hom gelewer is, en alle ander geld wat hy ingevolge sodanige ooreenkoms aan die Raad verskuldig is, aan die Raad sal betaal.
- (c) Die koste van die water wat aldus voorsien word, en die koste ten opsigte van die gebruik van dié verplaasbare meter, word ooreenkomstig die skaal wat in die tarief aangegee is, bereken.
- (d) Die verbruiker moet alle rekeninge ten opsigte van water wat aldus voorsien is binne sewe dae van die datum af waarop dit deur die Raad voorsien is, aan die Raad betaal.

prohibit the use of water for any specific purpose or for any purpose other than specified, as the case may be.

(2) Any person using water during prohibited hours or for prohibited purposes or purposes other than specified, as the case may be, after public notification of such prohibition by the Council, shall be guilty of an offence.

(3) For the purpose of this section “public notification” shall mean publication in one or more issues of a newspaper circulating in the area of supply in each of the official languages.

FAILURE TO SUPPLY.

29. The Council shall not be liable for any failure to supply water or for any defect in the quality of the water supplied, however caused.

PRESSURE.

30. (1) Subject to the provisions of these by-laws, no undertaking or guarantee shall be presumed on the part of the Council to maintain any specified pressure of water at any time at any point in the Council's water system.

(2) Where application is made for a supply of water or where a supply is required for premises situated above a level that can be served by the normal pressure in the Council's mains, it shall be the duty of the applicant or consumer to provide and maintain a supply to such premises: Provided that subject to the provisions of this section the Council may grant a supply to such premises from its mains where such supply is available.

SALE OF WATER BY CONSUMERS.

31. No consumer shall—

- (a) sell any water supplied to him by the Council, except as provided in section 24; or
- (b) take away or cause or permit to be taken away from his premises any such water except as provided for in section 62.

SPECIAL CONDITIONS GOVERNING THE SUPPLY OF WATER BY PORTABLE METER.

32. In addition to the provisions laid down in these regulations, the following special provisions shall apply to the supply of water by portable meter and shall be deemed to have been included in every agreement for such supply:—

- (a) Where water is to be supplied by the Council from hydrants, the Council shall supply a portable meter for measuring such supply together with stand pipe, hydrant coupling, hose pipes and necessary unions for connection to the meter.
- (b) The consumer shall pay to the Council in advance the sum prescribed in the tariff in respect of each portable meter supplied, which shall be held by the Council as security for the due fulfilment of all provisions of any agreement relating to the supply of such meter and the payment by the consumer to the Council for all water supplied to him and any other sums due by him to the Council under such agreement.
- (c) The charge for water so supplied and for the use of the portable meter shall be at the rate prescribed in the tariff.
- (d) All accounts for water so supplied shall be paid by the consumer to the Council within seven days of the date of rendition by the Council.

- (e) Indien die verbruiker water uit 'n brandkraan gebruik sonder dat die water eers deur die verplaasbare meter gaan, of indien water vereis word voordat dit deur so'n verplaasbare meter gegaan het, moet die verbruiker die bedrag wat in die tarief voorgeskryf word, ten opsigte van elke dag waarop water aldus gebruik word, of waarop sodanige vermorsing plaasvind, aan die Raad betaal.
- (f) Die verbruiker moet—
- Wanneer hy die verplaasbare meter in ontvangs neem, 'n kwitansie onderteken waarin hy erken dat dié meter in 'n goeie toestand verkeer;
 - die meter, met inagneming van billike slytasie, in dieselfde goeie toestand onderhou en terug besorg.
- (g) Indien die verbruiker in gebreke bly om die verplaasbare meter terug te besorg, moet hy die koste van 'n nuwe meter aan die Raad betaal, of indien hy dié meter in 'n beskadigde toestand terugbesorg, moet hy aan die Raad die koste van 'n nuwe meter betaal, of die herstelkoste, indien die beskadigde meter op bevredigende wyse herstel kan word.
- (h) Die verbruiker moet die verplaasbare meter in ontvangs neem en dit weer aan die Raad terugbesorg op 'n plek wat die ingenieur of sy behoorlik gemagtigde verteenwoordiger van tyd tot tyd vasstel.

WATEROORSIENING VIR BOUDOOLEINDES.

33. (1) Indien water op aansoek van 'n eienaar, bouer of ander persoon vir boudoeleindes na 'n perseel aangelê word, moet so'n eienaar, bouer of ander persoon die koste daaraan verbonde om die verbindingspyp en die meter aan te bring, ooreenkomstig die skaal wat in die tarief voorgeskryf is, betaal.
- (2) So'n eienaar, bouer of ander persoon moet die koste van die water wat aldus voorsien word, ooreenkomstig die tarief betaal.
- (3) Indien dit aan 'n doel beantwoord, kan dieselfde verbindingspyp wat ingevolge hierdie artikel verskaf word, vir die permanente voorsiening van water aan die perseel gebruik word, maar daar mag met betrekking tot dié permanente voorsiening, geen aansluiting by die syleidingstelsel bewerkstellig word alvorens al die bepalinge van hierdie regulasies nagekom is nie.

AANHANGSEL.

TARIEF VAN GELDE.

(Slegs van toepassing op die Gesondheidskomitee van Leeuwardoornstad.)

- Vorderings vir die Lewering van Water.*
 - Vir die eerste 500 gellings of gedeelte daarvan wat in enige enkele maand verbruik word: 6s. 6d., of water vir hierdie bedrag gebruik is of nie.
 - Vir iedere 100 gellings water of gedeelte daarvan, wat meer as 500 gellings in dieselfde maand verbruik is: 7d.
- Vorderings ten Opsigte van Watermeters.*
 - Vir die toets van meters deur die Raad verskaf, in gevalle waar daar bevind word dat die meter nie meer as drie persent te veel of te min aanwys nie: 10s.
 - Vir spesiale meteraflesings (op versoek van die verbruiker): 2s. 6d.
 - Vir die huur van 'n draagbare meter: 10s. per maand.
 - Deposito vir een draagbare meter: £5.
- Vorderings vir Aansluiting van Watervoorraad.*
 - Vir die aansluiting van watervoorraad of op versoek van die verbruiker of wat afgesluit is weens 'n oortreding van hierdie regulasies: 10s.
 - Vorderings vir waterverbindingspype. Vir die lewering en aanlê van verbindingspype vir 'n maksimum lengte van 70 voet, van die naaste hoofwaterpyp af tot by die meter gemeet:—

	£	s.	d.
½-duimspyp.....	7	10	0
1-duimspyp.....	10	10	0
1½-duimspyp.....	15	0	0
2-duimspyp.....	30	0	0
3-duimspyp.....	45	0	0

- (e) Where water is taken by the consumer from a hydrant without such water passing through the portable meter, or where water is wanted before passing through such portable meter, the sum prescribed in the tariff shall be paid by the consumer to the Council for every day during which water is so taken or such waste continues.
- (f) The consumer shall—
- upon taking delivery of the portable meter sign a receipt acknowledging such meter to be in good order and condition;
 - maintain and return such meter in the same good order and condition, fair wear and tear excepted.
- (g) If the consumer fails to return the portable meter, he shall pay to the Council the cost of a new meter, or if he returns such meter in a damaged condition, he shall pay to the Council the cost of a new meter or the cost of repairs where such damaged meter can be satisfactorily repaired.
- (h) The consumer shall take delivery of and shall return the portable meter to the Council at such place as the engineer or his duly authorised representative may from time to time direct.

SUPPLIES FOR BUILDING PURPOSES.

33. (1) Where, upon the application of any owner, builder or other person, a supply of water for building purposes is laid on to any premises, the cost of providing and fixing the communication pipe and the meter shall be borne by such owner, builder or other person in accordance with the rates prescribed in the tariff.
- (2) Such owner, builder or other person shall pay for water so supplied according to the tariff.
- (3) If suitable for the purpose, the same communication pipe as is supplied under this section may be used for the permanent supply to the premises, but no connection in respect of such permanent supply shall be made with the service until all the provisions of these regulations have been complied with.

ANNEXURE.

TARIFF OF CHARGES.

(Only applicable to the Leeuwardoornstad Health Committee.)

- Charges for the Supply of Water.*
 - For the first 500 gallons or part thereof consumed in any one month: 6s. 6d., whether water to this amount is used or not.
 - For each 100 gallons or part thereof, more than 500 gallons, consumed in the same month: 7d.
- Charges in respect of Water Meters.*
 - For testing of meters, supplied by the Council in cases where it is found that the meter does not show an error of more than three per cent either way: 10s.
 - For a special meter reading (upon request of the consumer) 2s. 6d.
 - For rental of a portable meter: 10s. per month.
 - Deposit for one portable meter: £5.
- Charges for Connection of Water Supply.*
 - For turning on supply either upon request of the consumer or after he has been cut off for a breach of these regulations: 10s.
 - Charges for Water Communication Pipes. For providing and laying communication pipes for a maximum length of 70 feet measured from the nearest water main to the meter:

	£	s.	d.
½-inch pipe.....	7	10	0
1-inch pipe.....	10	10	0
1½-inch pipe.....	15	0	0
2-inch pipe.....	30	0	0
3-inch pipe.....	45	0	0

4. *Deposits*.—Die tarief vervat in paragraaf (a) van subartikel (1) van artikel 23 van hierdie regulasies is nie op die Gesondheidskomitee van Leeuwardenstad van toepassing nie, maar wel die volgende:—

	£	s.	d.
(a) Vir huishoudelike doeleindes.....	1	10	0
(b) Vir alle ander doeleindes.....	2	0	0

AANHANGSEL.

TARIEF VAN GELDE.

(Slegs van toepassing op die Gesondheidskomitee van Orkney.)

- Vorderings vir die Lewering van Water.*
 - Groot verbruikers.*—('n Groot verbruiker is 'n verbruiker wat meer as 1,000,000 gellings water per maand verbruik.) Die Raad kan 'n spesiale ooreenkoms met 'n groot verbruiker aangaan vir die lewering van water. *Gelde:* 3s. per 1,000 gellings of gedeelte daarvan, tot 1,000,000 gellings, en daarna 2s. 9d. per 1,000 gellings of gedeelte daarvan.
 - Ander verbruikers.*—(Dit wil sê alle verbruikers wat nie groot verbruikers is nie.)
 - Vir die eerste 2,000 gellings wat in enige enkele maand verbruik word: 10s. per 1,000 gellings: Met dien verstande dat die minimum maandelikse vordering £1. is of water vir hierdie bedrag verbruik is of nie.
 - Vir iedere 100 gellings of gedeelte daarvan wat meer as 2,000 gellings in dieselfde maand verbruik is: 5d.
- Vorderings vir Finale of Spesiale Meteraflesings.* Waar persele ontruim word of op spesiale versoek, per aflesing: 2s. 6d.
- Vorderings vir Aansluitings van Watervoorraad.*
 - Vir die aansluiting van watervoorraad of op versoek van die verbruiker of wat afgesluit is weens 'n oortreding van hierdie regulasies: 10s.
 - Vorderings vir waterverbindingspype.* Vir die lewering en aanlê van verbindingspype vir 'n maksimum lengte van 70 voet, van die naaste hoofwaterpyp af tot by die meter gemeet:—

	£	s.	d.
$\frac{1}{2}$ -duimspyp.....	7	7	0
$\frac{3}{4}$ -duimspyp.....	8	8	0
1-duimspyp.....	10	0	0
$1\frac{1}{2}$ -duimspyp.....	23	0	0
2-duimspyp.....	30	0	0

4. *Vorderings vir Huur van Watermeter.*

Vir die huur van watermeter—

- 2s. per maand vir $\frac{1}{2}$ -duim- en $\frac{3}{4}$ -duimwatermeter.
- 4s. per maand vir 1-duimwatermeter.

HOOFSTUK 4.

ALGEMENE BEPALINGS BETREFFENDE VOORRADE WAT AFGEMEET WORD.

DIE RAAD MOET DIE VERBINDINGSPYP VERSKAF.

40. (1) Nadat daar 'n ooreenkoms tussen die Raad en 'n eienaar met betrekking tot die voorsiening van water aan 'n perseel gesluit is, en die toepaslike bepalinge van hierdie regulasies nagekom is, moet die Raad 'n verbindingspyp op sodanige perseel verskaf, aanlê en onderhou: Met dien verstande dat die ligging van die verbindingspyp deur die ingenieur vasgestel moet word.

(2) Die eienaar moet die bedrag betaal wat in die tarief ten opsigte van so 'n verbindingspyp voorgeskryf is: Met dien verstande dat, sover dit enige grootte of lengte van die verbindingspyp betref waarvoor daar nie in die tarief voorsiening gemaak word nie, of in gevalle waar die bedrag wat gevorder word, nie voldoende is om die koste daaraan verbonde om so 'n verbindingspyp te verskaf, te dek nie, die eienaar die bedrag moet betaal wat die Raad met inagneming van die omstandighede aan die geval verbonde, vasstel.

(3) Die eienaar of verbruiker, moet enige bedrag wat ingevolge hierdie artikel verskuldig is, vooruit aan die tesourier betaal.

AFSONDERLIKE VERBINDINGSPYPE WORD VIR INDIVIDUELE PERSELE VEREIS.

41. Daar moet, met die doel om water te voorsien, 'n afsonderlike verbindingspyp ten opsigte van elke perseel of gedeelte daarvan wat afsonderlik geokkupeer word, verskaf word: Met dien verstande dat—

- die Raad slegs een verbindingspyp mag toelaat om water aan 'n groep of 'n blok wonings, woonstelle, winkels, kantore of ander geboue wat aan een eienaar behoort, te voorsien; indien die eienaar of

4. *Deposits*.—The tariff contained in paragraph (a) of sub-section (1) of Section 23 of these regulations is not applicable to the Leeuwardenstad Health Committee but the following is:—

	£	s.	d.
(a) For domestic purposes.....	1	10	0
(b) For all other purposes.....	2	0	0

ANNEXURE.

TARIFF CHARGES.

(Only applicable to the Orkney Health Committee.)

- Charges for the Supply of Water.*
 - Large Consumers.*—(A large consumer is any consumer drawing more than 1,000,000 gallons of water per month.) The Council may enter into a special contract with a large consumer for the supply of water. Charges: 3s. per 1,000 gallons or part thereof up to 1,000,000 gallons and thereafter 2s. 9d. per 1,000 gallons or part thereof.
 - Other Consumers.*—(Which are all consumers not qualifying as large consumers):—
 - For the first 2,000 gallons, consumed in any one month: 10s. per 1,000 gallons: provided that the minimum monthly payment shall be £1, whether water to this value is consumed or not.
 - For each 100 gallons or part thereof consumed in the same month in excess of 2,000 gallons: 5d.
- Charges for Final or Special Meter Readings.* Where premises are vacated, or by special request, per reading: 2s. 6d.
- Charges for Connection of Water Supply.*
 - For turning on supply either upon request of the consumer or after he has been cut off for a break of these regulations: 10s.
 - Charges for Water Communication Pipes.* For providing and laying communication pipes for a maximum length of 72 feet, measured from the nearest water main to the meter:—

	£	s.	d.
$\frac{1}{2}$ -inch pipe.....	7	7	0
$\frac{3}{4}$ -inch pipe.....	8	8	0
1-inch pipe.....	10	0	0
$1\frac{1}{2}$ -inch pipe.....	23	0	0
2-inch pipe.....	30	0	0

4. *Charges for Rent of Water Meter.*

To rental of Water Meter:—

- 2s. per month for $\frac{1}{2}$ -inch and $\frac{3}{4}$ -inch water meter.
- 4s. per month for 1-inch water meter.

CHAPTER 4.

GENERAL PROVISIONS RELATING TO METERED SUPPLIES.

PROVISION OF COMMUNICATION PIPE BY COUNCIL.

40. (1) Upon an agreement having been entered into between the Council and any owner in regard to the supply of water to premises and after the relevant provisions of these regulations have been complied with, the Council shall provide, lay down and maintain a communication pipe to such premises: Provided that the position of the communication pipe shall be as determined by the engineer.

(2) The sum payable by such owner in respect of such communication pipe shall be as prescribed in the tariff. Provided that in respect of any size or length of communication pipe not provided for in the tariff or in cases where the tariff charge is insufficient to cover the cost of providing such communication pipe, the owner shall pay such sum as may be decided by the Council, having regard to the circumstances of the case.

(3) Any amount due under this section shall be paid to the treasurer in advance by the owner or consumer.

SEPARATE COMMUNICATION PIPES FOR INDIVIDUAL PREMISES.

41. For the purpose of supplying water thereto, a separate communication pipe shall be provided in respect of each and every premises or portion thereof in separate occupation: Provided that—

- one communication pipe only shall be permitted by the Council for the supply of water to a group or block of dwellings, flats, shops, offices or other buildings in single ownership where the owner or

okkupeerder daarvan onderneem om die koste van die water te betaal, wat aan elke gebou waaruit die groep of blok bestaan, gelewer word;

- (b) indien daar ingevolge die bepalings van subartikel (a) hiervan, water uit een verbindingspyp aan meer as een gebou soos gemeld, voorsien word, daar 'n afsluitkraan aan elke takpyp wat daarvan daan af na elkeen van die bedoelde geboue loop, aangebring moet word, met die doel om die water-toevoer na elkeen van die persele te kan toedraai sonder om die toevoer na die ander te onderbreek;
- (c) indien daar 'n kraan aan 'n standpyp aangebring word waarvandaan af water aan meer as een perseel voorsien moet word, dit 'n goedgekeurde kraan moet wees van die soort wat self toegaan.

ELKE PERSEEL MOET NET EEN VERBINDINGSPYP HÊ.

42. Daar mag aan geen perseel wat aan een eienaar behoort, water deur middel van meer as een verbindingspyp voorsien word nie: Met dien verstande dat—

- (a) indien dit vir die Raad blyk dat dit ontbering, ernstige ongerief of iets dergelyks sal meebring, die Raad kan toelaat dat die toevoer deur middel van meer as een verbindingspyp geskied;
- (b) waar meer as een verbindingspyp ingevolge die bepalings van subartikel (a) hiervan, toegelaat word, die koste ten opsigte van elke addisionele verbindingspyp en meter ooreenkomstig die tarief gevorder word.

VERSKAFFING VAN METERS.

43. Die Raad moet alle meters verskaf: Met dien verstande dat die ingenieur geheel en al na goeddunke kan bepaal hoe groot die meters wat aangebring word moet wees.

AANBRING EN DIE LIGGING VAN METERS.

44. (1) Die Raad moet aan die verbindingspyp 'n meter, waarvan die grootte deur die ingenieur bepaal moet word, aanbring.

(2) Indien die Raad dit vereis, moet die verbruiker 'n geskikte en veilige plek binne sy perseel verskaf waar die meter aangebring kan word, en die Raad kan die meter op dié plek aanbring.

(3) Die Raad moet alle instandhoudingswerk wat aan dié gedeelte van die syleiding tussen die straatgrens en die meter binne 'n perseel vereis word, op koste van die verbruiker verrig.

VERSKAFFING EN DIE POSISIE VAN DIE AFSLUITKRAAN.

45. (1) Die Raad moet uitsluitlik vir sy eie gebruik 'n afsluitkraan tussen die meter en die hoofwaterpyp aanbring.

(2) Die verbruiker moet op eie koste, of die Raad kan na goeddunke op koste van die verbruiker en uitsluitlik vir sy gebruik, 'n afsluitkraan verskaf en dit in die geval van 'n meter wat buite die grens aangebring is, op 'n geskikte plek net binne die grens van die eiendom, en in die geval van 'n meter wat op die perseel staan, op 'n geskikte plek aan die verbruiker se kant van die meter, aan die syleiding aanbring.

INSTALLASIEKOSTE TEN OPSIGTE VAN 'N METER.

46. 'n Verbruiker moet alle koste daaraan verbonde om 'n meter in sy syleidingstelsel aan te bring, betaal soos dit in die tarief voorgeskryf is.

EIENDOMSREG TEN OPSIGTE VAN METERS.

47. Enige meter wat die Raad ooreenkomstig hierdie verordeninge verskaf en aanbring, asook die toebehore in verband daarmee, is en bly die uitsluitlike eiendom van die Raad, en so 'n meter moet te alle tyde volkome onder beheer van die Raad staan.

BEWARING VAN METERS.

48. Die verbruiker is verantwoordig verskuldig aan die Raad ten opsigte van die bewaring en toestand van die meter wat op sy perseel aangebring is, en hy moet die Raad vergoed vir alle skade wat aan so 'n meter berokken word.

occupier thereof undertakes to pay for the water supplied to each of the buildings comprising such group or block;

(b) where, in terms of sub-section (a) hereof, more than one building as aforesaid is supplied from one communication pipe, a stop tap shall be fixed on each branch pipe leading therefrom to each such building for the purpose of turning off the supply of water to each such premises without interrupting the supply to the others;

(c) where a tap is fixed to a stand pipe from which water is intended to be supplied to more than one premises, such tap shall be an approved type of self-closing tap.

LIMITATION OF ONE COMMUNICATION PIPE TO EACH PREMISES.

42. No premises in single ownership shall be entitled to obtain a supply of water by means of more than one communication pipe: Provided that—

(a) where it appears to the Council that hardship or grave inconvenience or other similar circumstance would otherwise result, the Council may permit such supply by means of more than one communication pipe;

(b) where more than one communication pipe is permitted in terms of sub-section (a) hereof, a charge shall be made in accordance with the tariff for each additional communication pipe and meter.

PROVISION OF METER.

43. All meters shall be supplied by the Council. Provided that the size of the meter to be installed shall be within the sole discretion of the engineer.

FIXING AND POSITION OF METER.

44. (1) The Council shall fix in the communication pipe a meter of a size to be determined by the engineer.

(2) If so required by the Council, the consumer shall provide a suitable and safe place within his premises in which to fix the meter and the Council may install the meter in such place.

(3) Any maintenance necessary in that portion of the service pipe between the street boundary and the meter within the premises shall be carried out by the Council at the consumer's expense.

PROVISION AND POSITION OF STOP COCK.

45. (1) The Council shall, for its exclusive use, install a stop cock between the meter and the main.

(2) The consumer shall, at his own expense, or the Council may at its discretion and at the consumer's expense and for his exclusive use, provide and install a stop cock at a suitable point on the service pipe immediately inside the boundary of the property in the case of a meter installed outside the boundary, and in the case of a meter installed on the premises at a suitable point on the consumer's side of the meter.

COST OF INSTALLING METER.

46. The consumer shall pay all charges in connection with the installation of any meter on his service as are prescribed in the tariff.

PROPERTY IN METERS.

47. Any meter provided and installed by the Council in accordance with these by-laws, together with the fittings connected therewith, shall be and remain the absolute property of the Council, and such meter shall at all times be under the sole control of the Council.

SAFE-KEEPING OF METERS.

48. The consumer shall be responsible to the Council for the safe-keeping and condition of any meter installed upon his premises and shall be liable to the Council for any damage or injury which may be done to or sustained by such meter.

BEMOEIING MET OF BESKADIGING VAN METERS.

49. (1) Niemand behalwe die ingenieur of sy behoorlik gemagtigde verteenwoordiger mag 'n meter of enige toebehore daarvan afhaal of hom daarmee bemoei nie, of veroorsaak of toelaat dat iemand anders dit afhaal of daaraan peuter nie.

(2) Niemand mag opsetlik 'n meter of die toebehore daarvan beskadig nie.

HERSTEL VAN METERS.

50. Indien reparasies aan 'n meter nodig bevind word, moet die Raad sodanige reparasies aan dié meter, sodra moontlik, uitvoer.

INSTANDHOUDINGS- EN HERSTELKOSTE TEN OPSIGTE VAN METERS.

51. (1) Die Raad moet op eie koste 'n meter wat hy verskaf het, en wat op gewone wyse uitslyt, in stand hou en herstel.

(2) Indien 'n meter herstel moet word omdat dit opsetlik of per ongeluk deur die verbruiker beskadig is, moet die verbruiker die koste van die herstelwerk betaal, insluitende die koste daaraan verbonde om die meter te verwyder en weer aan te bring, of om dit deur 'n ander een te vervang, en die verbruiker moet dié geld betaal op aanvraag deur die Raad.

METERS KAN DEUR ANDER VERVANG WORD.

52. Die Raad kan te eniger tyd op eie koste 'n meter afhaal en verwyder, en na goedgevonden 'n ander meter in die plek daarvan aanbring.

DIE HOEVEELHEID WATER WAT AFGEMEET WORD, EN BETALING DAARVOOR.

53. (1) Die hoeveelheid water wat volgens die meteraanduiding aan 'n verbruiker gelever is, word beskou as die hoeveelheid wat werklik aan hom verskaf is.

(2) Die verbruiker moet teen die skaal wat in die tarief voorgeskryf is, vir die hoeveelheid water wat aldus afgemeeet is, betaal.

INSKRYWINGS IN DIE BOEKE VAN DIE RAAD IS BINDEND.

54. Tensy daar bewys word dat die inskrywings in die boeke van die Raad onjuis is, of dat die meter ten tyde van sodanige aflesing verkeerd was, word elke verbruiker deur die inskrywing in die boeke van die Raad gebind, en dit is nie nodig om die persoon wat die meter afgelees het, of iemand wat vir 'n besondere inskrywing verantwoordelik is, te laat kom ten einde sodanige aflesing of inskrywing te staaf nie.

ONTEVREDENHEID OOR METER-AFLESING.

55. (1) Indien 'n verbruiker te eniger tyd ontevrede is oor enige besondere aflesing van 'n meter wat deur die Raad verskaf is, en wil hê dat dié meter getoets moet word, moet hy binne sewe dae nadat die Raad hom van sodanige aflesing verwittig het, die Raad skriftelik in kennis stel, en ter selfdertyd die bedrag wat in die tarief voorgeskryf is, by die Raad stort, en daarna moet die Raad die meter onmiddellik laat toets.

(2) Indien daar bevind word dat die meter juis registreer, behou die Raad die bedrag wat aldus by hom gestort is.

(3) Indien bevind word dat die meter verkeerd registreer, moet die Raad die deposito aan die verbruiker terugbetaal, en 'n ander meter wat in orde is, aanbring sonder om die verbruiker iets daarvoor te bereken, terwyl die koste van die water wat verbruik is gedurende die drie maande wat die aflesing wat betwis word, voorafgaan, ooreenkomstig die graad van die fout wat vasgestel is, aangesuiwer moet word: Met dien verstande dat, indien sodanige meter minder as 6 (ses) maande gelede aangebring is, die aansuiwering ten opsigte van die helfte van die korter tydperk moet geskied.

(4) Daar word beskou dat die meter juis registreer indien die persentasie wat dit teen normale vloei te veel of te min registreer, nie die persentasie wat in die tarief voorgeskryf is, oorskry nie. Normale vloei beteken tweederdes van die hoogste kapasiteit van dié meter.

INTERFERENCE WITH OR DAMAGE TO METER.

49. (1) No person other than the enigneer or his duly authorised representative shall disconnect, interfere with or cause or permit any other person to disconnect or interfere with any meter or fittings connected therewith.

(2) No person shall wilfully damage any meter or fittings connected therewith.

REPAIRS TO METER.

50. In the event of repairs to any meter being found necessary, the Council shall effect such repairs to such meter as soon as possible.

COST OF MAINTENANCE AND REPAIR OF METER.

51. (1) The Council shall, at its own cost and expense, maintain and repair and meter provided by it, to the extent of ordinary wear and tear.

(2) Where any repairs have become necessary in consequence of such meter having been wilfully or accidentally damaged by the consumer, the consumer shall be liable for the cost of such repairs, including the cost of removal and re-installation thereof, or substitution if necessary, and such cost shall be payable by the consumer on demand by the Council.

SUBSTITUTION OF OTHER METER.

52. The Council may at any time at its own expense disconnect and remove any meter and install and substitute any other meter at its discretion.

QUANTITY OF WATER REGISTERED AND PAYMENT THEREFOR.

53. (1) The quantity of water which shall be registered by the meter as having been supplied to any consumer shall be deemed to be the quantity actually so supplied.

(2) The quantity of water so registered shall be paid for by such consumer at the rate or charge prescribed in the tariff.

ENTRY IN BOOKS OF COUNCIL BINDING.

54. In the absence of evidence showing either that the entry in the books of the Council has been incorrectly made or that the meter was at the time of such reading in default, every consumer shall be bound by the entry in the books of the Council, and it shall not be necessary to produce the person who read the meter, or the person who made any particular entry, in order to prove such reading or entry.

DISSATISFACTION WITH READING.

55. (1) If any consumer is at any time dissatisfied with any particular reading of a meter supplied by the Council and is desirous of having such meter tested, he shall give written notice to the Council within seven days after receipt of notice from the Council of such reading, and shall at the same time deposit with the Council the amount prescribed in the tariff, and thereupon the meter shall be tested forthwith by the Council.

(2) If such meter is found to be registering correctly, the Council shall retain the amount deposited with it.

(3) If such meter is found to be registering incorrectly, the Council shall refund the deposit to the consumer and shall re-affix a meter in good working order without charge to the consumer, and the charge for water consumed during the three months preceding the reading in dispute shall be adjusted in accordance with the degree of error found: Provided that where such meter has been installed for a period of less than 6 (six) months, such adjustment shall be over half such lesser period.

(4) The meter shall be considered to be registering correctly if no error of more than the percentage prescribed in the tariff over or under registration is found, at the rate of normal flow. Normal flow shall mean two-thirds of the maximum flow capacity of the meter.

METERS WAT NIE REGISTREER NIE.

56. (1) Indien daar bevind word dat 'n meter nie meer registreer nie, moet die Raad dit so spoedig moontlik herstel of deur 'n ander een vervang.

(2) Tensy daar tot voldoening van die ingenieur bewys word dat daar minder of meer water verbruik is, sal die hoeveelheid water waarvoor die verbruiker van die datum af waarop die meter, voor dit opgehou het om te registreer, die laaste keer afgelees is, tot op die datum waarop dit herstel of vervang is, moet betaal, op die volgende grondslag deur die Raad beraam:—

- (a) Die gemiddelde maandelikse hoeveelheid water wat gedurende die drie maande voor die laaste aflesing op die perseel wat deur die meter bedien word, verbruik is, of indien dit onmoontlik is—
- (b) die hoeveelheid water wat die vorige jaar gedurende die ooreenstemmende maand op die perseel verbruik is, of indien dit ook onmoontlik is—
- (c) die gemiddelde maandelikse hoeveelheid water wat gedurende 'n tydperk van drie maande nadat die meter herstel of vervang is, op die perseel wat deur die meter bedien word, verbruik word.

HOOFSTUK 5.

BEPALINGS BETREFFENDE SYLEIDINGSTELSELS VAN VERBRUIKERS.

PIPE OOR STRATE.

62. (1) Niemand mag sonder dat die skriftelike toestemming van die Raad eers verkry is, en behalwe op voorwaardes wat die Raad stel, 'n pyp, kanaal of waterleiding op, in of onder 'n straat, 'n openbare plek, of grond wat by die Raad berus of wat onder sy beheer staan, aanlê, aanbring, verander of bou, of laat aanlê, aanbring, verander of bou met die doel om water aan te voer nie, of dié water nou al oorspronklik uit die munisipale voorraade of uit private bronne afkomstig is of nie.

(2) Enigeen wat sodanige toestemming van die Raad verkry, moet, indien daar munisipale voorraade vir die perseel beskikbaar is, aan die Raad die huur wat in die tarief voorgeskryf is, ten opsigte van die pyplyn betaal: Met dien verstande egter dat, indien daar vir die water betaal word teen die skaal wat in die tarief voorgeskryf is, daar geen addisionele koste ten opsigte van die pyplyn gevorder word nie.

(3) Indien daar geen munisipale voorraad beskikbaar is nie, is die toestemming wat verleen word onderworpe aan die voorwaarde dat die koste wat in subartikel (b) hiervan aangegee word, betaal moet word sodra die munisipale voorraad beskikbaar word.

(4) Die Raad kan enige sodanige toestemming op skriftelike kennisgewing van minstens een maand, wat deur die Stadsingenieur onderteken is, weer intrek.

AANBRING VAN SYLEIDINGSTELSEL.

63. Elke eienaar of verbruiker moet op eie koste sy eie syleidings verskaf, aanlê, aanbring en in stand hou.

BEDEKKING VAN SYLEIDING.

64. Niemand mag 'n syleiding wat nuut aangelê of aangebring is, tydens die installasie of verandering van die syleidingstelsel, laat bedek of toelaat dat dit bedek word nie, alvorens so 'n pyp deur die ingenieur of sy behoorlik gemagtigde verteenwoordiger ondersoek en goedgekeur is nie.

DAAR MOET KENNIS GEGEE WORD WANNEER 'N SYLEIDINGSTELSEL OF VERANDERING DAARAAN, NAGEGAAN MOET WORD.

65. Sodra 'n syleidingstelsel of bykomende toebehore, of enige verandering aan 'n bestaande syleidingstelsel gereed is om nagegaan te word, moet die ingenieur daarvan verwittig word.

FAILURE OF METER TO REGISTER.

56. (1) Where any meter is found to have ceased to register, the Council shall repair or replace such meter as soon as possible.

(2) Unless it can be proved to the satisfaction of the engineer that a lesser or greater quantity of water had been consumed, the quantity of water to be paid for by the consumer from the date of the reading of the meter prior to its failure to register up to the time of its repair or replacement shall be estimated by the Council on the basis of—

- (a) the average monthly consumption of water upon the premises served by the meter during the three months prior to the last registration, or, if this is not possible,
- (b) the corresponding month's consumption in the previous year of water consumed upon such premises; or, if this also is not possible,
- (c) the average monthly consumption upon the premises served by the meter over a period of three months after repair or replacement of the meter has been effected.

CHAPTER 5.

PROVISIONS RELATING TO CONSUMER'S SERVICE.

PIPES ACROSS STREETS.

62. (1) No person shall, without the written permission of the Council first had and obtained and except under such conditions as the Council may prescribe, lay, fix, alter, construct or cause to be laid, fixed, altered or constructed any pipe, channel or conduit on, in or under any street, public place or lands vested in or under the control of the Council for the purpose of conveying water, whether such water is derived originally from a municipal supply or from private sources of supply.

(2) Every person receiving any such permission from the Council shall, where a municipal supply is available for the premises, pay to the Council such rental for the pipe line as is prescribed in the tariff: Provided that where the water is paid for at the rates prescribed in the tariff, no additional charge shall be made for the pipe line.

(3) Where no municipal supply is available, any permission given shall be conditional on the payment of the charges referred to in sub-section (2) hereof immediately upon a municipal supply becoming available.

(4) Any such permission may be withdrawn by the Council on not less than one month's notice in writing under the hand of the engineer.

PROVISION OF SERVICE.

63. Every owner or consumer shall, at his own expense, provide, install, lay down and maintain his own service.

COVERING OF SERVICE.

64. No person shall cause or permit any newly laid or fixed service pipe to be covered in the course of the installation or alteration of a service until such pipe has been examined and approved by the engineer or his duly authorised representative.

NOTICE THAT INSPECTION OF SERVICE OR ALTERATION THERETO IS REQUIRED.

65. When any service or additional fittings or any alteration in any existing service is ready for inspection, notice thereof shall be given to the engineer.

DIE SYLEIDINGSTELSEL EN VERANDERINGSDAARAAN MOET NAGEGAAN EN GOEDGEKEUR WORD.

66. (1) Geen syleidingstelsel mag in gebruik gestel word tensy en alvorens dit nagegaan is, en die ingenieur of sy behoorlik gemagtigde verteenwoordiger 'n goedkeuringstifikaat ten opsigte daarvan uitgereik het nie.

(2) Alle addisionele toebehore by, of veranderinge aan 'n bestaande syleidingstelsel wat reeds by die Raad se toevoerstelsel aangesluit is, moet deur die ingenieur of sy behoorlik gemagtigde verteenwoordiger nagegaan en goedgekeur word, en indien daar nie 'n goedkeuringstifikaat uitgereik kan word nie, moet dit verander word sodat dit aan die bepalings van hierdie regulasies voldoen, of anders moet dit onmiddellik verwyder word.

VOORBEREIDING VAN DIE SYLEIDINGSTELSEL EN DIE AANBRING VAN DIE METER.

67. (1) Indien die Raad instem om water by wyse van 'n meter te voorsien aan 'n perseel wat nog nie tevore aldus van water voorsien is nie, moet die verbruiker op eie koste sy syleidingstelsel voorberei sodat die verbindingspyp en die meter aangebring kan word.

(2) Nadat die syleidingstelsel gereed is, en deur die ingenieur of sy behoorlik gemagtigde verteenwoordiger goedgekeur is, en nadat die bedrae wat in die tarief voorgeskryf word, betaal is, moet die Raad die syleidingstelsel by die verbindingspyp aansluit.

LASSE.

68. Daar mag geen ander las as standaard-inskroef-lasse, loodsmeerlasse of ander lasse wat deur die Raad goedgekeur is, vir syleidings gebruik word nie.

KRANE EN SPOELKLEPPE.

69. Niemand mag 'n kraan of spoelklep aan syleidingstelsel aanbring, laat aanbring of toelaat dat dit aangebring word nie, tensy en alvorens so 'n kraan of spoelklep deur die ingenieur of sy behoorlik gemagtigde verteenwoordiger getoets, goedgekeur en gestempel is.

DIEPTE WAT SYLEIDINGS ONDER DIE GROND MOET WEES.

70. Alle syleidings wat onder die grond aangelê word, moet minstens 15 duim diep bedek word.

AANBRING VAN PYPE OP PLEKKE WAAR BESOEDELING KAN PLAASVIND.

71. Niemand mag 'n pyp wat deur die Raad van water voorsien moet word, deur, in of na 'n riool, 'n asput, misgat of ander plek aanlê of aanbring, waar die water in dié pyp moontlik besoedel kan raak of ongemerk kan uitlek indien die pyp defek raak nie, of mag 'n pyp wat aldus aangelê of aangebring is met bogenoemde doel gebruik nie: Met dien verstande dat, indien dit ondoenlik is om 'n pyp op enige ander as bogenoemde manier aan te lê of aan te bring, die deel daarvan wat aldus aangelê of aangebring word, deur 'n smee-ysterbuis of -kis aangelê moet word wat lank en sterk genoeg is, en wat sodanig gemaak is dat dit die pyp daarin behoorlik kan beskerm, en wat sal meebring dat enige water wat uitlek of vermors, maklik opgemerk kan word.

KRANE OF PYPE WAT LEK.

72. (1) Niemand mag 'n pyp, kraan of toebehore laat lek nie, of toelaat dat dit lek nie, en geen kraan of toebehore mag op so 'n plek aangebring word dat 'n lekplek nie maklik opgemerk kan word nie.

(2) Geen verbruiker is geregtig tot 'n afslag ten opsigte van water wat weens gebrekkige toebehore of onopgemerkte lekplekke in die syleiding vermors raak nie.

PYPE EN STANDPYPE MOET STEWIG VASGEHEG WORD.

73. Alle pype, behalwe dié wat in die grond aangelê is, moet op verskeie plekke stewig aan dié deel van die muur, of aan 'n ander stewige deel van die bouwerk, waarlangs dit loop, vasgeheg word.

Alle standpype of ander pype wat bokant die grond uitsteek en nie aan die bouwerk vasgeheg is nie, moet stewig aan 'n pen wat styf in die grond ingeslaan is, of op 'n ander wyse wat deur die ingenieur goedgekeur is, vasgeheg word, sodat dié standpyp of -pype nie onnodig beweeg nie.

INSPECTION AND APPROVAL OF SERVICE AND ALTERATIONS, THERETO.

66. (1) No service shall be placed in use unless and until it has been inspected and a certificate of approval issued by the engineer or his duly authorised representative.

(2) Every additional fitting or alteration to an existing service already connected to the Council's supply system shall be subject to inspection by and approval of the engineer or his duly authorised representative, and shall in the event of no certificate of approval being issued, be altered to comply with these regulations or to be removed immediately.

PREPARATION OF SERVICE FOR AND INSTALLATION OF METER.

67. (1) Where the Council agrees to supply water by meter to any premises not previously so supplied, the consumer shall, at his own expense, prepare his service for the installation of the communication pipe and the meter.

(2) Upon the service being prepared and approved by the engineer or his duly authorised representative, and after payment of the amounts prescribed in the tariff, the Council shall connect the service to the communication pipe.

JOINTS.

68. No joints except standard screwed joints, wiped plumbing, or other joints approved by the Council, shall be used on any service pipe.

TAPS AND FLUSHING VALVES.

69. No person shall install or cause or permit to be installed on any service any tap or flushing valve unless and until such tap or flushing valve has been tested, approved and stamped by the engineer or his duly authorised representative.

DEPTH OF SERVICE PIPES BELOW GROUND.

70. All service pipes laid in the ground shall have a minimum cover of 15 inches.

LAYING OF PIPES IN PLACES WHERE POLLUTION MIGHT RESULT.

71. No person shall lay or install any pipe which is to be supplied with water by the Council, through, in or into any sewer, drain, ash pit, manure hole or other place where, in the event of the pipe becoming unsound, the water conveyed through such pipe would be liable to become polluted or to escape without observation, or make use for the above purpose of any pipe so laid or installed: Provided that where it is impractical to lay or install any pipe other than in such a manner aforesaid the part thereof so laid or installed shall be carried through a cast iron tube or box of sufficient length and strength and of such construction as will afford proper protection to the pipe in the interior thereof and render any leakage or waste therefrom readily perceptible.

LEAKAGE OF TAPS OR PIPES.

72. (1) No person shall cause or permit any pipe, tap or fitting to leak, and no tap or fitting shall be installed in such position that any leakage cannot readily be detected.

(2) No consumer shall be entitled to any rebate in respect of the wastage of water due to faulty fittings or undetected leakage in the service pipes.

PIPES AND STAND PIPES TO BE SECURELY FIXED.

73. All pipes, except those laid in the ground, shall be securely fixed at frequent intervals to that portion of the wall or other rigid portion of the structure along which they pass.

All stand pipes or other pipes projecting above the ground and not otherwise secured to any structure shall be securely fixed to a stake securely driven into the ground, or by other means approved by the engineer, in such a manner as to prevent undue movement of such stand pipe or pipes.

WATERBAK WAT IN DIE GROND STAAN.

74. Geen waterbak wat in 'n uitgraving in die grond toegemaak of daarin aangebring is, mag gebruik word om water wat die Raad verskaf en wat vir menslike verbruik bedoel is, in op te gaar of te hou nie.

KRANE VIR HUISHOUDELIKE TOEVOER.

75. Krane wat bedoel is om water vir huishoudelike doeleindes in woonhuise of woongeboue, of vir drinkdoeleindes op enige ander soort perseel te verskaf, behalwe krane wat met die warmwaterstelsel verbind is, moet aan die syleiding aangebring word op 'n plek voordat dié pyp in 'n waterbak gaan, en mag nie van enige waterbak af van water voorsien word nie: Met dien verstande dat, in geboue waar water benodig word bo 'n vlak waar daar nie 'n gereelde en voldoende toevoer van die hoofwaterpyp af beskikbaar is nie, die toevoer uit 'n tenk of waterbak verkry mag word wat ooreenkomstig die bepalings van hierdie regulasies gemaak is.

VERBINDING VAN DIVERSE TOESTELLE.

76. (1) Niemand mag veroorsaak of toelaat dat 'n syleiding regstreeks met 'n waterklôset, urinoir, stoom- of warmwaterketel, 'n toe waterverwarmingstoestel, 'n handelsbak of -toestel verbind word nie.

(2) Elke sodanige waterklôset, urinoir, stoom- of warmwaterketel, toe waterverwarmingstoestel, handelsbak of -toestel, moet afsonderlik en regstreeks van die waterbak af wat uitsluitlik met dié doel aangebring is van water voorsien word.

WATERBAK.

77. Niemand mag op 'n perseel, 'n waterbak om water in op te vang of in te hou, aanbring, bevestig, gebruik of veroorsaak of toelaat dat dit aangebring, bevestig of gebruik word nie, tensy—

- (a) so 'n waterbak gemaak is van leiklip, versinkte yster, beton of hout wat met lood of sink wat sterk en dik genoeg is, uitgevoer is;
- (b) so 'n waterbak waterdig is en behoorlik toe en geventileer is;
- (c) die inloop-opening daarvan 'n goedgekeurde vlotterkraan of afsluitklep aan het;
- (d) dié waterbak op so 'n wyse aangebring is dat die binnekant daarvan maklik ondersoek en skoon-gemaak kan word.

MORSPYPE VAN WATERBAK.

78. Alle waterbakke moet mors- of oorlooppype aanhê, wat so geleë is dat water wat daaruit loop, maklik opgemerk kan word.

INHOUD VAN WATERBAK.

79. Elke stoommasjien en -ketel en alle persele wat 'n gereelde toevoer water moet hê, moet 'n waterbak hê wat minstens voldoende water vir 'n halfdag se verbruik, bereken volgens die gemiddelde daaglikse verbruik, kan hou.

KOUWATERBAKKE.

80. (1) 'n Waterbak wat vir koue water aangebring word, moet minstens 50 gelling water kan hou.

(2) Indien so 'n waterbak gebruik word om 'n waterverwarmingstoestel en 'n bad van water te voorsien, moet die pyp wat die koue water na die bad toe voer, nie laer as in die middel van die waterbak verbind word nie.

WARMWATERSTELSE.

81. (1) Die watertoevoer van die waterbak af na 'n waterverwarmingstoestel moet van die boom van dié waterbak af kom: Met dien verstande dat, indien die waterverwarmingstoestel volgens die silinderstelsel gebou is, die boom van die bedoelde bak, regstreeks met die warmwatersilinder verbind mag word, maar al die uitlooppype vir warm water moet bo-op of bokant die warmwatersilinder verbind word.

(2) Sirkulasie-warmwatersilinders wat nie onder drukking is nie, moet van gegalvaniseerde, plaatyster van minstens dikte No. 16 gemaak wees.

CISTERN IN GROUND.

74. No cistern buried or installed in any excavation in the ground shall be used for the storage or reception of water supplied by the Council and intended for human consumption.

TAPS FOR DOMESTIC SUPPLY.

75. Other than those discharging from the hot water system, taps to supply water for domestic purposes in dwelling-houses or residential buildings or for drinking purposes on any other type of premises shall be connected to a service pipe at a point before such pipe enters a cistern and shall not be supplied from any cistern: Provided that in buildings where a water supply is required above the level at which a regular and adequate supply is available from the mains, the supply may be taken from a tank or cistern which shall be constructed in accordance with the provisions of these regulations.

CONNECTION OF SUNDRY APPARATUS.

76. (1) No person shall cause or permit any service pipe to be connected directly to any water closet, urinal, steam or hot water boiler, closed water heater, trade vessel or apparatus.

(2) Every such water closet, urinal, steam or hot water boiler, closed water heater or trade vessel or apparatus shall be fed separately and directly from a cistern installed solely for that purpose.

CISTERN.

77. No person shall install, fit, use or cause or permit to be installed, fitted or used upon any premises a cistern for the reception or storage of water unless—

- (a) such cistern is constructed of slate, galvanised iron, concrete or wood lined with lead or zinc of a sufficient strength and thickness;
- (b) such cistern is watertight and properly covered and ventilated;
- (c) the inlet thereof is provided with an approved ball tap or check valve;
- (d) such cistern is placed in such a position that the interior thereof may be readily inspected and cleansed.

OVERFLOW PIPE TO CISTERN.

78. All cisterns shall be provided with an overflow or waste pipe, the situation of which shall admit of the discharge of water being readily detected.

CAPACITY OF CISTERN.

79. Every steam engine and boiler, and all premises which require a continuous supply of water, shall have a cistern holding not less than half a day's supply calculated according to the average daily consumption.

COLD WATER CISTERN.

80. (1) Where a cold water cistern is installed, such cistern shall be capable of containing not less than 50 gallons.

(2) If such a cistern is used to supply a hot water apparatus and a bath, the cold water supply to such bath shall not be connected to the cistern at a point lower than one-half the depth of the cistern.

HOT WATER CISTERN.

81. (1) The supply from the cistern to the hot water apparatus shall be from the bottom of such cistern. Provided that when the hot water apparatus is carried out on the cylinder system, the bottom of the said cistern may be connected directly to the hot water cylinder but all hot water draw-off pipes shall be connected at or above the top of the hot water cylinder.

(2) Hot water circulating cylinders not under pressure shall be constructed of at least 16-gauge galvanised sheet iron.

(3) Elke warmwatersilinder moet 'n oorkookpyp aan hê, wat regstreeks in die buitlug op 'n plek waar dit maklik waargeneem kan word, of anders bokant die hoogste stand van die water in die waterbak wat die warmwatersilinder voorsien, ontas.

MATERIAAL VAN SIRKULASIE- OF TOEVOERPYPE.

82. (1) Sirkulasie- of toevoerpype vir warm water kan van lood, yster, of koper vervaardig word. In dien dit van yster vervaardig is, moet dit gegalvaniseerde yster wees.

(2) Indien die pype slegs vir verwarmingsdoeleindes aangebring word, kan dit van swart yster vervaardig wees.

WATERTOEOVOER VIR BADDENS.

83. Baddens moet van water voorsien word deur middel van 'n afsonderlike pyp wat minstens 6" (ses duim) bokant die boom van die bad, of oor die rant van die bad, inloop, en daar mag geen uittappyp vir dié doel gebruik word nie.

BOU VAN SPOELBAKKE VIR WATERKLOSETTE.

84. Elke spoelbak vir 'n waterkloset moet—

- (a) so gemaak wees dat dit onmoontlik is dat die water aanhou uitloop;
- (b) van materiaal wat teen invreting bestaan is, gemaak wees;
- (c) ronde hoeke binne hê;
- (d) 'n goedgekeurde vlotterkraan en 'n morspyp aan hê, wat 1 duim bokant die watervlak wanneer die normale hoeveelheid water in die bak is, aangebring moet wees;
- (e) 'n spoelpyp met 'n middellyn van minstens 1½" (een en 'n kwart duim) aanhê: Met dien verstande dat so 'n pyp in elke geval genoeg moet wees om die water vinnig genoeg te ontas.

'N TOESTEL OM VERMORSING TE VOORKOM.

85. Elke urinoir-spoelbak, behalwe dié vir openbare urinoirs, moet 'n behoorlike en doeltreffende toestel aan hê wat watervermorsing voorkom, en wat so gemaak is dat dit met elke deurspoeling hoogstens een gelling water uitlaat.

VALKLEP OF AFSLUITKRAAN.

86. Behalwe in die gevalle van spoelbakke van waterklosette of urinoirs, moet daar 'n valklep of afsluitkraan aan die uitlooppyp van elke spoelbak aangebring word, ten einde te voorkom dat die spoelbak leeggemaak moet word wanneer die syleidingstelsel herstel word.

AFSTAND TUSSEN SYLEIDING EN ELEKTRIESE DRADE.

87. (1) Geen deel van 'n syleidingstelsel mag binne 12" (twaalf duim) van 'n elektriese toestel af aangelê, aangebring, of onderhou word, of 'n metaalkontak daarmee bewerkstellig nie: Met dien verstande dat niks wat hierin vervat is, die saamsnoering van elektriese geleidingsingevolge enige verordeninge of regulasies betreffende die voorsiening en gebruik van elektriese krag en die aanbring van elektriese geleidingsingevolge in persele, belet nie.

(2) Geen kraan, pyp of ander toestel mag binne 6' (ses voet) van 'n elektriese skakelaar of verbindingspunt af aangelê, aangebring of vasgeheg of onderhou word nie.

HOOFSTUK 6.

SPEZIALE BEPALINGS MET BETREKKING TOT BRANDBLUSDIENTE.

SPEZIALE BEPALINGS.

93. Ondanks andersluidende bepalinge in hierdie hoofstuk vervat, is die bepalinge wat in die voorgaande hoofstukke van hierdie regulasies vervat is, *mutatis mutandis* van toepassing op die verskaffing van water vir brandblusdoeleindes, en daar word beskou dat dit ook in enige ooreenkomste ten opsigte van die sodanige toevoer vervat is.

BETALING TEN OPSIGTE VAN BRANDBLUSTOESTELLE.

94. Die verbruiker moet die gelde wat voorgeskryf is in die tarief wat in Bylae 1 by hierdie hoofstuk vervat is, ten opsigte van brandblustoestelle wat op sy perseel aangebring of gebruik word, betaal.

(3) Every hot water cylinder shall be provided with an expansion pipe discharging direct to the atmosphere in such a position as to be readily detected, or alternatively discharging above the surface level of the water in the cistern supplying such hot water cylinder.

MATERIAL OF CIRCULATING OR SUPPLY PIPES.

82. (1) Circulating or supply pipes for hot water may be either of lead, iron or copper. If of iron they shall be galvanised tubes.

(2) Where used for heating installation only, the pipes may be of black iron.

SUPPLY TO BATHS.

83. Water shall be supplied to baths by a separate pipe discharging not less than 6" (six inches) above the bottom of the bath or over the top of the bath, and no emptying pipe shall be used for such purpose.

CONSTRUCTION OF W.C. CISTERNS.

84. Every cistern for a water closet shall—

- (a) be constructed in such a manner as to make a continuous flow of water impossible;
- (b) be made of non-corrosive material;
- (c) have rounded corners on the inside thereof;
- (d) be provided with an approved ball tap and have an overflow pipe, fixed one inch above the water level when the cistern contains the normal amount of water;
- (e) have a flush pipe of not less than 1½" (one and a quarter inches) in diameter: Provided that in every case such pipe shall be of sufficient size to ensure an efficient rate of discharge.

WASTE-PREVENTING APPARATUS.

85. Every urinal cistern, other than public urinal cisterns, shall have a proper and adequate waste-preventing apparatus so constructed as not to be capable of discharging more than one gallon of water at each flush.

DROP PLUG OR STOP COCK.

86. Except in the case of w.c. or urinal cisterns, a drop plug valve or stop cock shall be placed on the outlet pipe of each cistern, so as to prevent the necessity of emptying the cistern during any repairs to the service.

PROXIMITY OF SERVICE TO ELECTRIC WIRES.

87. (1) No portion of the service shall be laid, installed or maintained within 12" (twelve inches) of, or be in metallic contact with, any electric apparatus: Provided that nothing herein shall prevent electrical bonding as required by any by-laws or regulations for the supply and use of electrical energy and the wiring of premises.

(2) No tap, pipe or other apparatus shall be laid, installed, fixed or maintained within 6' (six feet) of an electrical switch or point.

CHAPTER 6.

SPECIAL PROVISIONS RELATING TO FIRE EXTINGUISHING SERVICES.

SPECIAL CONDITIONS.

93. Notwithstanding anything contained in this chapter, the provisions contained in the preceding chapters of these regulations shall *mutatis mutandis* apply to the supply of water for fire extinguishing services and shall be deemed to have been included in every agreement for such supply.

PAYMENT FOR SERVICES.

94. The consumer shall pay the charges prescribed in the tariff contained in Schedule 1 of this chapter in respect of any fire extinguishing service installed or used upon his premises.

AANSLUITING BY WATERHOOFLEIDING.

95. (1) Die Raad moet alle verbindingspype wat bedoel is vir voorkomingsdoeleindes of vir outomatiese gebruik in geval van brand, tot by die grens van die verbruiker se eiendom aanlê.

(2) Dié verbindingspype moet slegs vir brandblusdoeleindes gebruik word.

(3) Geen water mag hieruit gebruik word, behalwe dié wat vereis word in verband met outomatiese sproei-blustoestelle, drenkblustoestelle en brandkraanverbindinge, of vir die druktenk bo-op die gebou nie, terwyl water-toevoer na dié tenk-deur middel van 'n geskikte vlotter-kraan beheer moet word.

KLEPPE IN VERBINDINGSPYPE.

96. Elke verbindingspyp moet 'n behoorlike afsluitklep aan hê. Dié klep moet—

- (a) deur die Raad op koste van die verbruiker verskaf word;
- (b) tussen die verbruiker se eiendom en die hoofwaterpyp aangebring word;
- (c) dieselfde middellyn as die verbindingspyp hê;
- (d) op 'n plek aangebring word wat die ingenieur aanwys.

UITBREIDING VAN STELSEL.

97. Daar mag nie sonder die skriftelike toestemming van die Raad verdere sproei-blustoestelle tot 'n bestaande brandblustelsel toegevoeg of daaraan verbind word, nadat dié stelsel by die hoofwaterpyp aangesluit is nie.

UITBREIDING VAN STELSEL NA ANDER PERSELE.

98. Geen brandblusstelsel mag met ander persele verbind of daarheen uitgebrei word nie, en indien so 'n verbinding of uitbreiding wel plaasvind, is die Raad geregtig om 'n perseel te betree en die vereiste stappe te doen om dié verbinding op koste van die persoon wat vir die verbinding of uitbreiding verantwoordelik is, te verwyder.

ONDERSOEK EN GOEDKEURING VAN BRANDBLUSSTELSEL.

99. Geen water word verskaf alvorens die brandblusstelsel ondersoek is, en die ingenieur of sy behoorlik gemagtigde verteenwoordiger skriftelik verklaar het dat dié stelsel aan die vereistes van hierdie verordeninge voldoen, en die werk tot sy voldoening verrig is nie.

DIE VERBINDING WORD TOEGELAAT SOLANK DIT DIE RAAD BEHAAG.

100. 'n Verbinding met die hoofwaterpyp word toegelaat solank dit die Raad behaag, en hy is geregtig om te eniger tyd 'n brandblusdiens te beëindig.

METERS.

101. In die geval van brandblusstelsels is dit nie nodig om 'n meter aan die verbindingspyp aan te bring nie.

VERSKAFFING VAN DRUKMETER.

102. 'n Drukmeter wat die waterdruk in ponde per vierkante duim aandui, moet aan alle brandblusstelsels binne die perseel van die verbruiker aangebring word.

TERUGSLAGKLEP.

103. Alle private installasies waar daar 'n brandspuitverbinding aangebring is, moet van 'n terugslagklep tussen die grens van die eiendom en die brandspuitverbinding voorsien word ten einde die toevoer van die Raad se hoofwaterpyp af te sluit wanneer die brandspuitverbinding gebruik word.

SPROEIBLUSTOESTELLE.

104. 'n Sproei-blustoestel kan regstreeks met die hoofwaterleiding verbind word, maar die Raad waarborg nie 'n bepaalde waterdruk te eniger tyd nie.

AFTAKTENK OF DUBBELE TOEVOER VAN HOOFWATERPYP AF.

105. (1) Tensy daar 'n dubbele toevoer van 'n afsonderlike hoofwaterpyp af vir die sproei-blustoestel verskaf word, moet die verbruiker 'n tenk aanbring wat so hoog staan dat dit enige afname van die druk in die Raad se waterhoofleidings sal aanvul.

CONNECTIONS FROM MAINS.

95. (1) All communication pipes which are intended for preventive or automatic use in case of fire shall be laid by the Council as far as the boundary of the consumer's property.

(2) Such communication pipes shall be used only for fire extinguishing purposes.

(3) No take-off of any kind shall be made, other than those in connection with automatic sprinklers and drenchers, hydrant connections or necessary for the pressure tank upon the top of the building, which tank shall be controlled by a suitable ball tap.

VALVES IN COMMUNICATION PIPES.

96. Every communication pipe shall be fitted with a proper sluice valve, which said valve shall be—

- (a) supplied by the Council at the expense of the consumer;
- (b) installed between the consumer's property and the main;
- (c) of the same diameter as the communication pipe;
- (d) in such position as may be determined by the engineer.

ADDITIONS TO SYSTEM.

97. No further sprinkler shall be added or connected to any existing fire extinguishing system after such system has been connected to the mains without the written consent of the Council first having been obtained thereto.

EXTENSION OF SYSTEM TO OTHER PREMISES.

98. No extension or connection from any fire extinguishing system to other premises shall be made, and in the event of any such connection or extensions being made the Council shall be entitled to enter upon any premises and take all steps necessary to disconnect such connections at the cost of the persons responsible for such extension or connection.

INSPECTION AND APPROVAL OF FIRE EXTINGUISHING SERVICE.

99. No supply of water shall be made or given until the fire extinguishing system has been inspected and the engineer or his duly authorised representative has certified in writing that such service is in accordance with these by-laws and the work has been carried out to his satisfaction.

CONNECTION TO BE AT PLEASURE OF THE COUNCIL.

100. Connections to the mains shall be at the pleasure of the Council, which shall be entitled to disconnect any fire extinguishing services at any time.

METERS.

101. In the case of fire extinguishing services it shall not be necessary to affix a meter to the communication pipe.

PROVISION OF PRESSURE GAUGE.

102. A pressure gauge indicating the water pressure in pounds per square inch shall be fixed on all fire extinguishing systems inside the premises of the consumer.

INSTALLATION OF REFLUX VALVE.

103. In all private installations where a fire pump connection is installed, a reflux valve to close off the supply from the Council's mains when the fire pump connection is being used shall be installed between the boundary of the property and the fire pump connection.

SPRINKLER INSTALLATION.

104. A sprinkler installation may be installed in direct communication with the main, but the Council shall not be deemed to guarantee any specified pressure of water at any time.

HEADER TANK OR DUPLICATE SUPPLY FROM MAINS.

105. (1) Unless a duplicate supply from a separate main is provided for the sprinkler installation, the consumer shall install a tank at such an elevation as will compensate for any cessation of pressure in the Council's mains.

(2) Die hoofpyp van die tenk af na die sproeiblustoestel kan regstreeks met die hoofwaterpyp verbind word: Met dien verstande dat dit in dié geval 'n terugslagklep moet aankry wat die opening na die hoofwaterpyp afsluit terwyl dit dié na die tenk oopmaak, indien die drukking in die hoofwaterpyp om die een of ander rede nie hoog genoeg is nie.

(3) Daar moet 'n morspyp aan dié tenk aangebring word, wat sy water op 'n plek laat uitloop waar dit maklik sigbaar is; dié water moet nie in 'n reënwaterpyp na die riool weggevoer word nie.

(4) Indien daar 'n dubbele toevoer van 'n afsonderlike waterhoofleiding af verskaf word, moet elke toevoerpyp 'n terugslagklep aanhê wat binne in die perseel geleë is.

JAARLIKSE KOSTE TEN OPSIGTE VAN 'N SPROEI- EN DRENKBLUSTOESTEL.

106. Die jaarlikse koste in verband met die instandhouding van die verbinding, en die inspeksie van 'n sproei- en drenkblustoestel, moet vooruitbetaal word. Hierdie koste sluit ook in die leegmaak en volmaak van enige tenk, indien dit vereis word: Met dien verstande dat daar vir die water wat hiervoor benodig word, ooreenkomstig die tarief betaal moet word, terwyl die hoeveelheid volgens die kubieke inhoud van die tenk of enige deel daarvan bereken word, en onderworpe is aan die minimum-koste wat in die tarief voorgeskryf is.

JAARLIKSE KOSTE TEN OPSIGTE VAN PRIVATE BRANDKRAANINRICHTINGS.

107. Die jaarlikse koste ten opsigte van die instandhouding van die verbindings, en die inspeksie van private brandkraaninrigtings behalwe sproeiblustoestelle, moet vooruitbetaal word.

VERSEËLING VAN PRIVATE BRANDKRANE.

108. (1) Alle private brandkrane moet deur die Raad verseël word, en niemand behalwe beamptes van die Raad wat toetse uitvoer, mag dié seëls breek, behalwe wanneer die brandkrane in die geval van brand oopgedraai moet word nie.

(2) Die verbruiker moet die koste daaraan verbonde om die brandkrane weer te verseël, betaal, behalwe wanneer die Raad se beamptes die seëls vir toetsdoeleindes gebreek het.

(3) Die verbruiker moet, behalwe wanneer die Raad 'n toets uitgevoer het of in die geval van brand, vir al die water wat verbruik is nadat die seël gebreek is, betaal volgens die gewone skaal wat in die tarief voorgeskryf is. Die hoeveelheid wat aldus verbruik is, word deur die ingenieur vasgestel.

BYLAE 1.

TARIEF TEN OPSIGTE VAN BRANDBLUSDIENTSTE.

(1) *Sproeiblustoestelle*.—Ten opsigte van ondersoek en instandhouding van verbindingspyp: £2 per jaar.

Ten opsigte van elke sproeikop wat in gebruik gestel word, vir elke 30 minute of gedeelte van 30 minute wat dit gebruik word, 7s. 6d.: met dien verstande dat, indien die middellyn van die opening groter as 'n ½ duim is, die koste na verhouding van die grootte van die opening verhoog word.

(2) *Drenkblustoestel*.—Ten opsigte van ondersoek en instandhouding van die verbindingspyp, indien dit 'n deel van die gewone sproeiblusstelsel is: Nul.

Ten opsigte van die ondersoek en instandhouding van die verbindingspyp indien dit nie 'n deel van die gewone sproeiblusstelsel is nie: £2 per jaar.

Ten opsigte van elke drenkkop wat in gebruik gestel word, vir elke 30 minute of gedeelte van 30 minute wat dit gebruik word, 7s. 6d.; met dien verstande dat, indien die opening groter as 'n ¼ duim is, die koste na verhouding van die grootte van die opening verhoog word.

(3) *Private brandkraantoestelle, behalwe sproei- en drenkblustoestelle*.—Ten opsigte van die ondersoek en instandhouding van die verbindingspyp: £2 per jaar.

(2) The main pipe leading from tank to the sprinkler installation may be in direct communication with the mains: Provided that in such case it is fitted with a reflux valve which will close against the main and open to that of the tank should the pressure in the main not be available from any cause.

(3) An overflow pipe shall be fitted to such tank, which pipe shall discharge in such a position as to be readily observable, and shall not be led away by any downpipe to any drain.

(4) Where a duplicate supply from a separate main is provided, each supply pipe shall be fitted with a reflux valve fixed inside the premises.

ANNUAL CHARGE FOR SPRINKLER AND DRENCHER INSTALLATION.

106. The annual charge in respect of maintenance of connection and inspection of sprinkler and drencher installations shall be paid in advance. Such charge shall include the emptying and refilling of any tanks where necessary: Provided the water used in so doing shall be paid for according to the tariff, the amount being calculated upon the cubical contents of the tank or any part thereof, and subject to the minimum charge prescribed in the tariff.

ANNUAL CHARGE FOR PRIVATE HYDRANT INSTALLATIONS.

107. The annual charge in respect of maintenance of connections and inspection for private hydrant installations other than sprinklers shall be paid in advance.

SEALING OF PRIVATE FIRE HYDRANTS.

108 (1) All private hydrants shall be sealed by the Council and such seals shall not be broken by any person other than the Council's officials in the course of testing, except for the purpose of opening the hydrant in case of fire.

(2) The cost of resealing such hydrants shall be borne by the consumer except when such seals are broken by the Council's officials for testing purposes.

(3) Any water consumed after the breaking of the seal other than in the course of testing by the Council or in case of fire shall be paid for by the consumer at the normal rates prescribed in the tariff. The quantity thus consumed shall be determined by the engineer.

SCHEDULE 1.

TARIFF FOR FIRE EXTINGUISHING SERVICES.

(1) *Sprinkler Installations*.—For inspection and maintenance of communication pipe: £2 per annum.

For each sprinkler head when brought into use, for every 30 minutes or portion of 30 minutes in use: Provided that a proportionate increase in charge shall be made for apertures exceeding the area of ½ inch in diameter based on the area of aperture: 7s. 6d.

(2) *Drencher Fire Installation*.—For inspection and maintenance of communication pipe, if part of general sprinkler installation: Nil.

For inspection and maintenance of communication pipe, if not a part of general sprinkler installation: £2 per annum.

For each drencher head when brought into use for every 30 minutes or portion of each 30 minutes: Provided that a proportionate increase in charge shall be made for apertures exceeding ¼ inch in diameter based on the area of aperture: 7s. 6d.

(3) *Private Hydrant Installations other than Sprinklers and Drenchers*.—For inspection and maintenance of communication pipe: £2 per annum.

Ten opsigte van elke tuit wat in gebruik gestel word, vir elke 30 minute of gedeelte van 30 minute wat dit gebruik word, £2; met dien verstande dat indien die opening groter as $\frac{1}{8}$ ste duim is, die koste na verhouding van die grootte van die opening verhoog word.

Ten opsigte van die her-verseëling van elke private brandkraan, 5s.

(4) *Volmaak van toevoertenk vir sproeiblustoestel*: 10s. minimum vordering.

HOOFSTUK 7.

SPESIFIKASIE.

MIDDELLYNE VAN PYPE.

114. (1) Al die middellyne van pype wat in hierdie hoofstuk aangegee word, het betrekking op binnemate.

(2) Geen syleiding se middellyn mag kleiner as 'n half-duim wees nie.

MATERIAAL VAN SYLEIDINGS.

115. Alle syleidings moet van gegalvaniseerde yster, lood of koper wees; met dien verstande egter dat—

(a) pype van ander geskikte materiaal gebruik kan word, onderworpe daaraan dat die skriftelike toestemming van die ingenieur vooraf verkry moet word;

(b) pype met 'n middellyn van minstens drie duim kan van yster of staal gemaak wees, wat binne én buite met dr. Angus Smith se oplossing, of 'n ander geskikte oplossing wat die ingenieur goedkeur, bedek is.

YSTERPYPE.

116. (1) Alle gegalvaniseerde ysterpype se skroefdraad moet volgens die Britse standaard ten opsigte van skroefdraad, gesny wees.

(b) Sodanige pype moet, sover dit die groottes betref wat in die eerste kolom hieronder aangegee word, aan die toepaslike spesifikasies betreffende gewig en die getal skroefdrade wat onderskeidelik in die tweede en derde kolom vervat is, voldoen.

Wydte van pyp.	Gewig per lengtevoet.	Getal skroefdrade per duim.
$\frac{1}{4}$ -duim middellyn.....	0.8 lb.	14
$\frac{3}{8}$ -duim middellyn.....	1.2 lb.	14
$\frac{1}{2}$ -duim middellyn.....	1.6 lb.	11
$\frac{3}{4}$ -duim middellyn.....	2.4 lb.	11
$1\frac{1}{4}$ -duim middellyn.....	3.0 lb.	11
$2\frac{1}{4}$ -duim middellyn.....	3.8 lb.	11

LOODPYPE.

117. (1) Alle loodpype moet 'n egalige dikte hê.

(2) Sodanige pype moet, sover dit die groottes betref wat in die eerste kolom hieronder aangegee word, aan die toepaslike spesifikasies betreffende die gewig wat in die tweede kolom vervat is, voldoen;

$\frac{1}{4}$ -duim middellyn.....	6 lb. per lengtejaart.
$\frac{3}{8}$ -duim middellyn.....	9 lb. per lengtejaart.
$\frac{1}{2}$ -duim middellyn.....	12 lb. per lengtejaart.
$\frac{3}{4}$ -duim middellyn.....	16 lb. per lengtejaart.
$1\frac{1}{4}$ -duim middellyn.....	19 lb. per lengtejaart.
$2\frac{1}{4}$ -duim middellyn.....	24 lb. per lengtejaart.

Met dien verstande dat alle loodpype waarvan die punte oop is sodat hulle geen water kan inhou nie, die volgende minimum-gewigte kan hê ten opsigte van die toepaslike groottes wat hier aangegee word:—

$\frac{1}{4}$ -duim binnemiddellyn.....	3 lb. per jaart.
$\frac{3}{8}$ -duim binnemiddellyn.....	5 lb. per jaart.
$\frac{1}{2}$ -duim binnemiddellyn.....	7 lb. per jaart.

KOPERPYPE.

118. (1) Alle koperpype moet van soliede getrokke koper gemaak wees.

(2) Wanneer hulle ingeskreëf moet word, moet die koperpype, sover dit gehalte en dikte betref, aan die vereistes van die Britse standaardspesifikasie vir koperpype en hulle skroefdrade, voldoen.

For each jet when brought into use, for every 30 minutes or portion of 30 minutes in use: Provided that a proportionate increase in charge is made for apertures exceeding $\frac{1}{8}$ inch in diameter based on the area of apertures: £2. For resealing any private fire hydrant: 5s.

(4) *Refilling Sprinkler Supply Tank*: 10s. minimum charge.

CHAPTER 7.

SPECIFICATION.

DIAMETER SIZES.

114. (1) All diameter sizes of piping referred to in this chapter relate to internal diameters.

(2) No service pipe shall be less than $\frac{1}{2}$ inch in diameter.

MATERIAL OF SERVICE PIPES.

115. All service pipes shall be of galvanised iron, lead or copper: Provided that—

(a) piping of other suitable material may be used subject to the written permission of the engineer first had and obtained;

(b) piping of not less than 3 inches diameter may be of iron or steel coated internally and externally with Dr. Angus Smith's or other suitable solution approved by the engineer.

IRON PIPES.

116. (1) All galvanised iron pipes shall be screwed to British Standard Thread.

(2) Such pipes shall in regard to the sizes set out in the first column hereto comply with the relative specifications as to weight and number of threads contained in the second and third columns respectively.

Size.	Weight per Linear Foot.	No. of Threads per Inch.
$\frac{1}{4}$ -inch diameter.....	0.8 lb.	14
$\frac{3}{8}$ -inch diameter.....	1.2 lb.	14
$\frac{1}{2}$ -inch diameter.....	1.6 lb.	11
$\frac{3}{4}$ -inch diameter.....	2.4 lb.	11
$1\frac{1}{4}$ -inch diameter.....	3.0 lb.	11
$2\frac{1}{4}$ -inch diameter.....	3.8 lb.	11

LEAD PIPES.

117. (1) All lead pipes shall be of even thickness.

(2) Such pipes shall in regard to the sizes set out in the first column hereto comply with the specifications as to weight contained in the second column.

$\frac{1}{4}$ -inch diameter.....	6 lb. per linear yard.
$\frac{3}{8}$ -inch diameter.....	9 lb. per linear yard.
$\frac{1}{2}$ -inch diameter.....	12 lb. per linear yard.
$\frac{3}{4}$ -inch diameter.....	16 lb. per linear yard.
$1\frac{1}{4}$ -inch diameter.....	19 lb. per linear yard.
$2\frac{1}{4}$ -inch diameter.....	24 lb. per linear yard.

Provided that all lead pipes, the ends of which are open in such a manner that they cannot remain charged with water, may be of the following minimum weights in relation to the respective sizes set out.

$\frac{1}{4}$ -inch internal diameter.....	3 lb. per yard.
$\frac{3}{8}$ -inch internal diameter.....	5 lb. per yard.
$\frac{1}{2}$ -inch internal diameter.....	7 lb. per yard.

COPPER PIPES.

118. (1) All copper piping shall be solid drawn.

(2) When used for screwed piping, copper pipes shall be of such quality and thickness as to comply with the British Standard Specification for copper pipes and their screw threads.

(3) Sodanige pype moet, sover dit die groottes betref wat in die eerste kolom hieronder aangegee word, aan die toepaslike spesifikasies ten opsigte van die dikte en getal skroefdrade wat onderskeidelik in die tweede en derde kolom vervat is, voldoen:—

Wydte van pyp.	Dikte.	Getal skroefdrade per duim.
$\frac{1}{2}$ -duim middellyn	Standaarddraadmaat No. 14.	20
$\frac{3}{4}$ -duim middellyn	Standaarddraadmaat No. 13.	20
1-duim middellyn	Standaarddraadmaat No. 12.	20
$1\frac{1}{4}$ -duim middellyn	Standaarddraadmaat No. 12.	20
$1\frac{1}{2}$ -duim middellyn	Standaarddraadmaat No. 12.	20
2-duim middellyn	Standaarddraadmaat No. 12.	16

(4) Pype van dunner metaal en verbindingstukke wat die Raad goedkeur, kan in plaas van inskroefpype gebruik word.

Sodanige pype moet, sover dit die groottes betref wat in die eerste kolom hieronder aangegee word, aan die toepaslike spesifikasie ten opsigte van dikte wat in die tweede kolom vervat is, voldoen:—

Wydte van pyp.	Dikte.
$\frac{1}{2}$ -duim middellyn.....	Standaarddraadmaat No. 19.
$\frac{3}{4}$ -duim middellyn.....	Standaarddraadmaat No. 19.
1-duim middellyn.....	Standaarddraadmaat No. 18.
$1\frac{1}{4}$ -duim middellyn.....	Standaarddraadmaat No. 18.
$1\frac{1}{2}$ -duim middellyn.....	Standaarddraadmaat No. 18.
2-duim middellyn.....	Standaarddraadmaat No. 17.

DIE PYPE EN TOEBEHORE MOET 'N DRUK VAN 300 LB. KAN WEERSTAAN.

119. Alle verbindingspype, syleidings en toebehore moet 'n binnedruk van 300 lb. per vierkante duim kan weerstaan.

KRANE.

120. Elke kraan of spoelklep moet aan die volgende vereistes voldoen:—

- Tensy die Raad anders bepaal, moet alle krane en spoelkleppe van geskutmetaal, harde geelkoper of van witmetaal gemaak wees.
- Alle krane wat aan syleidings aangebring word, moet sterk genoeg wees om 'n binnedruk van minstens 300 lb. per vierkante duim te weerstaan sonder om te lek of water te laat deursyfer, en moet van die toedraaitipe wees met los kleppe en pakkingsbuste: Met dien verstande dat goedgekeurde outomatiese krane van die skokbreettype wat die meter en toebehore nie sal beskadig nie, en wat die Raad laat toets, goedgekeur en gestempel het, aangebring kan word.
- Alle krane moet voldoen aan die spesifikasies wat in Tabele Nos. 1 tot 17 en Tekeninge Nos. 1 tot 15 in Bylae 1 by hierdie Hoofstuk vervat is: Met dien verstande dat die uiterlike voorkoms van bad- en toiletkrane na keuse kan wees, sodat dit by die besondere tipe bad of handewasbak kan pas.
- Die naam of geregistreerde handelsmerk van die fabrikant moet op alle krane en spoelkleppe afgedruk wees.
- Steunpype wat van skroefdraad vir yster- of koperstukke voorsien is, moet aan die vereistes van die Britse standaardspesifikasies vir skroefdrade voldoen. Draadgesnyde onderdele van toebehore wat ewe groot is en vir dieselfde doel gebruik word, moet verwisselbaar wees. Alle skroefdraad moet regsom wees.
- Die grootte van die opening, die grootte van die vlotter en die lengte van die hefboom van vlotterkrane, moet in verhouding tot mekaar staan, en sodanig wees dat die vlotter en die hefboom die water by 'n drukking van 300 lb. per vk. duim kan afsluit.
- Gelde ten opsigte van die toets en stempel van krane en toebehore, moet betaal word soos dit in die tarief voorgeskryf is.
- Al die spoelkleppe moet van 'n tipe wees wat vermorsing voorkom, en moet 'n spoelvermoë hê ooreenkomstig die bepalinge van die Riolerings- en Loodgieters-regulasies, en moet ooreenkomstig subartikel (a) van artikel 76 met die spoelpyp verbind wees.

(3) Such pipes shall in regard to the sizes set out in the first column hereto comply with the relative specifications as to thickness and number of threads contained in the second and third columns respectively.

Size.	Thickness.	No. of Threads per Inch.
$\frac{1}{2}$ -inch diameter.....	14 S.W.G.	20
$\frac{3}{4}$ -inch diameter.....	13 S.W.G.	20
1-inch diameter.....	12 S.W.G.	20
$1\frac{1}{4}$ -inch diameter.....	12 S.W.G.	20
$1\frac{1}{2}$ -inch diameter.....	12 S.W.G.	20
2-inch diameter.....	12 S.W.G.	16

(4) Piping of lighter gauge and couplings of a type approved by the Council may be used as an alternative to screwed piping. Such pipes shall in regard to the sizes set out in the first column hereto comply with the relative specification as to thickness contained in the second column.

Size.	Thickness.
$\frac{1}{2}$ -inch diameter.....	19 S.W.G.
$\frac{3}{4}$ -inch diameter.....	19 S.W.G.
1-inch diameter.....	18 S.W.G.
$1\frac{1}{4}$ -inch diameter.....	18 S.W.G.
$1\frac{1}{2}$ -inch diameter.....	18 S.W.G.
2-inch diameter.....	17 S.W.G.

PIPES AND FITTINGS TO STAND 300 LB. PRESSURE.

119. All communication pipes, service pipes and fittings shall be capable of withstanding an internal pressure of 300 lb. per square inch.

TAPS.

120. Every tap or flushing valve shall comply with the following requirements:—

- Unless otherwise sanctioned by the Council, all taps and flushing valves shall be made of either gun-metal, hard brass or white metal.
- All taps intended for installation on service pipes shall be of sufficient strength to withstand an internal pressure of at least 300 lb. per square inch without leaking or sweating and shall be on the screw-down principle with loose valves and stuffing boxes: Provided that self-closing taps, which are of a non-concussive type approved by the Council and which will not cause damage to the meter and fittings and which have been tested, approved and stamped by the Council, may be installed.
- All taps shall be in accordance with the specifications laid down in Tables Nos. 1 to 17 and Drawings Nos. 1 to 15 contained in Schedule 1 to this Chapter: Provided the external form of bath and lavatory taps shall be optional to suit any particular style of bath or lavatory basin.
- The name or registered trade mark of the makers shall be stamped on all taps and flushing valves.
- Shanks screwed for iron or copper shall have British Standard Threads. Screwed parts of all fittings of the same size and for the same purpose shall be interchangeable. All threads shall be right handed.
- In ball taps, the size of the orifice, the size of the ball and the length of the lever shall be relative to one another and such that the float and lever will shut off the water against a pressure of 300 lb. per square inch.
- Fees shall be payable for the testing and stamping of taps and fittings and shall be as prescribed in the tariff.
- All flushing valves shall be of a waste-preventing type, and shall have a flushing capacity as provided in the Drainage and Plumbing Regulations and be connected to the flush pipe in accordance with sub-section (1) of section 76.

BYLAE 1.

AFMETINGSTABELLE: STANDAARDWATERKRANE.

TABEL 1.—STANDAARDWATERKRANE, ¼-DUIM TOT ¾-DUIM.

AFMETINGS VAN KRAANHUISE.

Duime en desimale breuke van duime.)

1	2	3	4	5	6	7	8	9	10	11	12	13
Reël- no.	Verw.- letter op diag.	Afmeting.	Nominale grootte van kraan, duim.									
			¼		⅓		½		⅔		¾	
			Maks.	Min.	Maks.	Min.	Maks.	Min.	Maks.	Min.	Maks.	Min.
1	A	Kaliber van sitting.....	0·312	0·250	0·375	0·365	0·500	0·490	0·625	0·615	0·750	0·740
2	B	Wydte van sitting.....	0·120	0·110	0·120	0·110	0·120	0·110	0·120	0·110	0·120	0·110
3	C	Hoogte van sitting.....	—	0·063	—	0·063	—	0·063	—	0·063	—	0·063
4	D	Dikte van wand son- der skroefdraad en } Warmgepers van metaalstut van } Gietstuk...	—	0·063	—	0·078	—	0·078	—	0·078	—	0·078
5			—	0·078	—	0·093	—	0·093	—	0·093	—	0·093
6	E	Grootste middellyn van binne-skroef- draadvankraanhuis (sien Tabel 10)	—	0·750	—	0·8125	—	0·9531	—	0·0937	—	1·2187
7	F	Lengte van binne-skroefdraad van kraanhuis	—	0·281	—	0·375	—	0·437	—	0·500	—	0·500
8	G	Middellyn van vlak van kraanhuis (vir pakkingsring)	0·948	0·938	1·072	1·062	1·213	1·203	1·385	1·375	1·510	1·500
9	H	Vlak van kraanhuis tot by vlak van sitting	—	0·650	—	0·850	—	0·930	—	1·060	—	1·090
10	J	Lengte van buite-skroefdraad, B.S.- pyp (parallel)	—	0·375	—	0·437	—	0·500	—	0·562	—	0·625
11	K	Lengte van binne-skroefdraad, B.S.- pyp (parallel)	—	0·437	—	0·500	—	0·625	—	0·625	—	0·750
12	L	Flensdikte, insluitende afkanting..	—	0·093	—	0·109	—	0·125	—	0·125	—	0·141
13	M	Aksiale lengte van seskant (agter- kant van flens)	—	0·187	—	0·312	—	0·375	—	0·375	—	0·406
14	N	Middellyn van flens.....	—	0·750	—	0·937	—	1·140	—	1·250	—	1·437
15	O	Wanddikte van puntstuk met buite- draad (kleinste dikte tot by kaliber)	0·109	0·063	0·113	0·078	0·117	0·078	0·121	0·078	0·125	0·078
16	P	Lengte van gewone puntstukke van tap- en afsluitkrane (middelpunt van skroefstang tot end van punt- stuk)	—	—	—	2·625	—	2·750	—	2·875	—	3·000
17	Q	Grootte van platkante van vierkant onder flens van regop kraan	—	—	—	—	1·000	—	—	—	1·250	—

LET WEL.—Die „G”-maksimum kan in die geval van sierkappe oorskry word. Die minimum „O”-dikte geld net warmgeperste stukke;
¼ duim- tot ¾ duim-gietstukke moet ⅜ duim dikker wees.

SCHEDULE 1.

TABLES OF DIMENSIONS: STANDARD TYPE TAPS.

TABLE 1.—STANDARD WATER TAPS $\frac{1}{8}$ INCH TO $\frac{3}{4}$ INCH.

DIMENSIONS OF BODIES.

(In inches and decimal parts of an inch.)

1	2	3	4	5	6	7	8	9	10	11	12	13
Line No.	Reference Letter on Diagram.	Dimension.	Nominal Size of Tap in Inches.									
			$\frac{1}{8}$		$\frac{1}{4}$		$\frac{3}{8}$		$\frac{1}{2}$		$\frac{3}{4}$	
			Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1	A	Bore of seating.....	0.312	0.250	0.375	0.365	0.500	0.490	0.625	0.615	0.750	0.740
2	B	Width of seating.....	0.120	0.110	0.120	0.110	0.120	0.110	0.120	0.110	0.120	0.110
3	C	Height of seating.....	—	0.063	—	0.063	—	0.063	—	0.063	—	0.063
4	D	Thickness of walls not Hot pres-	—	0.063	—	0.078	—	0.078	—	0.078	—	0.078
5		threaded and of metal sed	—	0.078	—	0.093	—	0.093	—	0.093	—	0.093
6	E	supporting the seating } Casting	—	0.750	—	0.8125	—	0.9531	—	1.0937	—	1.2187
		Major diameter of internal thread on body (see Table 10)										
7	F	Length of internal thread on body	—	0.281	—	0.375	—	0.437	—	0.500	—	0.500
8	G	Diameter of face of body (for joint washer)	0.948	0.938	1.072	1.062	1.213	1.203	1.385	1.375	1.510	1.500
9	H	Face of body to face of seating....	—	0.650	—	0.850	—	0.930	—	1.060	—	1.090
10	J	Length of external thread. B.S. Pipe (Parallel)	—	0.375	—	0.437	—	0.500	—	0.562	—	0.625
11	K	Length of internal thread. B.S. Pipe (Parallel)	—	0.437	—	0.500	—	0.625	—	0.625	—	0.750
12	L	Flange thickness including chamfer	—	0.093	—	0.109	—	0.125	—	0.125	—	0.141
13	M	Axial length of hexagon (back of flange)	—	0.187	—	0.312	—	0.375	—	0.375	—	0.406
14	N	Diameter of flange.....	—	0.750	—	0.937	—	1.140	—	1.250	—	1.437
15	O	Thickness of wall of externally threaded end (minor dia. to bore)	0.109	0.063	0.113	0.078	0.117	0.078	0.121	0.078	0.125	0.078
16	P	Length of plain tail of bib and stop-taps (centre of spindle to end of tail)	—	—	—	2.625	—	2.750	—	2.875	—	3.000
17	Q	Size over flats of square under flange of Pillar tap, p. 10	—	—	—	—	1.000	—	—	—	1.250	—

NOTES.—The "G" maximum may be exceeded in the case of Easy-clean fittings.

The "O" minimum thickness applies only to hot pressings. Castings $\frac{1}{8}$ in. to $\frac{3}{4}$ in. shall be $\frac{1}{16}$ in. thicker.

TABLE 2.—STANDAARDWATERKRANE, 1-DUIM tot 2-DUIM.
(Duime en desimale breuke van duime.)

1	2	3	4	5	6	7	8	9	10	11
Reël-no.	Verw.-letter op diag.	Afmeting.	Nominale grootte van kraan, duim.							
			1		1½		1½		2	
			Maks.	Min.	Maks.	Min.	Maks.	Min.	Maks.	Min.
1	A	Kaliber van sitting.....	1·000	0·985	1·250	1·225	1·500	1·475	2·000	1·968
2	B	Wydte van sitting.....	0·150	0·140	0·160	0·150	0·180	0·170	0·240	0·220
3	C	Hoogte van sitting.....	—	0·093	—	0·093	—	0·093	—	0·093
4	D	Dikte van wand sonder skroefdraad } Warmgepers en van metaalstut van sitting } Gietstuk...	—	0·109	—	0·125	—	0·125	—	0·156
5			—	0·125	—	0·156	—	0·156	—	0·187
6	E	Grootste middellyn van binne-skroefdraad van kraan- huis (sien Tabel 10)	—	1·5937	—	1·8594	—	2·1562	—	2·8125
7	F	Lengte van binne-skroefdraad van kraanhuis.....	—	0·625	—	0·687	—	0·750	—	0·875
8	G	Middellyn van vlak van kraanhuis (vir pakkingring)	1·920	1·906	2·380	2·359	2·740	2·718	3·460	3·437
9	H	Vlak van kraanhuis tot by vlak van sitting.....	—	1·360	—	1·480	—	1·780	—	1·930
10	J	Lengte van buite-skroefdraad, B.S.-pyp (parallel)...	—	0·750	—	0·875	—	0·875	—	1·000
11	K	Lengte van binne-skroefdraad, B.S.-pyp (parallel)...	—	0·875	—	1·000	—	1·000	—	1·125
12	L	Flensdikte, insluitende afkanting.....	—	0·156	—	0·156	—	0·187	—	0·187
13	M	Aksiale lengte van seskant (agterkant van flens)...	—	0·437	—	0·500	—	0·562	—	0·625
14	N	Middellyn van flens.....	—	1·812	—	2·250	—	2·562	—	3·250
15	O	Wanddikte van puntstuk met buitendraad (kleinste dikte tot by kaliber)	0·133	0·109	0·156	0·125	0·156	0·125	0·187	0·156
16	P	Lengte van gewone puntstukke van tap- en afsluit- krane (middelpunt van skroefstang tot end van puntstuk)	—	3·125	—	—	—	—	—	—
17	Q	Grootte van platkante van vierkant onder flens van regop kraan	1·500	—	—	—	—	—	—	—

LET WEL.—Die „G”-maksimum kan in die geval van sierkappe oorskry word. Die minimum „O”-dikte geld net warmgeperste stukke; 1 duim-gietstukke moet ¾ duim, en groter gietstukke, ½ duim dikker wees.

TABLE 2.—STANDARD WATER TAPS 1 INCH to 2 INCH.
(In inches and decimal parts of and inch.)

1	2	3	4	5	6	7	8	9	10	11
Line No.	Reference Letter on Diagram.	Dimensions.	Nominal Size of Tap in Inches.							
			1		1½		1½		2	
			Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1	A	Bore of seating.....	1·000	0·985	1·250	1·225	1·500	1·475	2·000	1·968
2	B	Width of seating.....	0·150	0·140	0·160	0·150	0·180	0·170	0·240	0·220
3	C	Height of seating.....	—	0·093	—	0·093	—	0·093	—	0·093
4	D	Thickness of walls not threaded and of } Hot pressed metal supporting the seating } Casting...	—	0·109	—	0·125	—	0·125	—	0·156
5			—	0·125	—	0·156	—	0·156	—	0·187
6	E	Major diameter of internal thread on body (see Table 10)	—	1·5937	—	1·8594	—	2·1562	—	2·8125
7	F	Length of internal thread on body.....	—	0·625	—	0·687	—	0·750	—	0·875
8	G	Diameter of face of body (for joint washer).....	1·920	1·906	2·380	2·359	2·740	2·718	3·460	3·437
9	H	Face of body to face of seating.....	—	1·360	—	1·480	—	1·780	—	1·930
10	J	Length of external thread, B.S. Pipe (parallel)....	—	0·750	—	0·875	—	0·875	—	1·000
11	K	Length of internal thread, B.S. Pipe (parallel)....	—	0·875	—	1·000	—	1·000	—	1·125
12	L	Flange thickness, including chamfer.....	—	0·156	—	0·156	—	0·187	—	0·187
13	M	Axial length of hexagon (back of flange).....	—	0·437	—	0·500	—	0·562	—	0·625
14	N	Diameter of flange.....	—	1·812	—	2·250	—	2·562	—	3·250
15	O	Thickness of wall of externally threaded end (minor diameter to bore)	0·133	0·109	0·156	0·125	0·156	0·125	0·187	0·156
16	P	Length of plain tail of bib and stoptaps (centre of spindle to end of tail)	—	3·125	—	—	—	—	—	—
17	Q	Size over flats of square under flange of Pillar tap, p. 10	1·500	—	—	—	—	—	—	—

NOTES.—The “G” maximum may be exceeded in the case of Easy-clean fittings.

The “O” minimum thickness applies only to hot pressings. Castings 1 in. size shall be ⅜ in. thicker and larger sizes ½ in.

TABEL 3.—STANDAARDWATERKRANE, $\frac{1}{4}$ -DUIM TOT $\frac{3}{4}$ -DUIM.AFMETINGS VAN BOSTUKKE EN PAKKINGDRUKKERS.
(Duime en desimale breuke van duime.)

1	2	3	4	5	6	7	8	9	10	11	12	13
Reël-no.	Verw.-letter op diag.	Afmeting.	Nominale grootte van kraan, duim.)									
			$\frac{1}{4}$		$\frac{3}{8}$		$\frac{1}{2}$		$\frac{3}{4}$		$\frac{7}{8}$	
			Maks.	Min.	Maks.	Min.	Maks.	Min.	Maks.	Min.	Maks.	Min.
1	A	Middel lyn van vlak van flens (vir pakkingsring sien Tabel 1 en 2, reël 8)	0·968	0·958	1·092	1·082	1·233	1·223	1·405	1·395	1·530	1·520
2	B	Grootste middel lyn van buite-skroefdraad van bostuk (sien Tabel 9)	0·750	—	0·8125	—	0·9531	—	1·0937	—	1·2187	—
3	C	Lengte van buite-skroefdraad van bostuk	—	0·281	—	0·375	—	0·437	—	0·500	—	0·500
4	D	Grootste middel lyn van binne-skroefdraad van skroefstang (sien Tabel 8)	—	0·4375	—	0·5625	—	0·6250	—	0·7500	—	0·7500
5	E	Lengte van binne-skroefdraad vir skroefstang, insluitende versonke gedeelte	—	0·600	—	0·790	—	0·850	—	1·020	—	1·020
6	F	Aksiale lengte van versonke gedeelte (gelyk aan „oplig” van klep)	0·143	—	0·167	—	0·182	—	0·250	—	0·250	0·250
7	G	Grootste middel lyn van binne-skroefdraad van pakkingsbus (sien Tabel 12)	—	0·5625	—	0·6250	—	0·6875	—	0·7500	—	0·7500
8	H	Grootste middel lyn van buite-skroefdraad van pakkingsdrukker (sien Tabel 11)	0·5625	—	0·6250	—	0·6875	—	0·7500	—	0·7500	—
9	J	Lengte van binne-skroefdraad in pakkingsbus	—	0·312	—	0·375	—	0·437	—	0·500	—	0·500
10	K	Lengte van buite-skroefdraad van pakkingsdrukker	—	0·250	—	0·300	—	0·350	—	0·400	—	0·400
11	L	Flensdikte van pakkingsdrukker...	—	0·093	—	0·109	—	0·125	—	0·125	—	0·125
12	M	Flensdikte van bostuk.....	—	0·093	—	0·109	—	0·125	—	0·125	—	0·141
13	N	Aksiale lengte van seskant.....	—	0·250	—	0·375	—	0·375	—	0·406	—	0·437
14	O	Grootte van seskant oor platkante	—	0·718	—	0·812	—	0·875	—	0·937	—	0·937
15	P	Middel lyn van gat deur bostuk en pakkingsdrukker (vir skroefstang)	0·323	—	0·391	—	0·453	—	0·516	—	0·516	—
16	Q	Diepte van versonke gedeelte in flens (vir pakkingsring)	—	0·062	—	0·062	—	0·062	—	0·062	—	0·062

TABLE 3.—STANDARD WATER TAPS $\frac{1}{4}$ INCH to $\frac{3}{4}$ INCH.DIMENSIONS OF HEADS AND GLANDS.
(In inches and decimal parts of an inch.)

1	2	3	4	5	6	7	8	9	10	11	12	13
Line No.	Reference Letter on Diagram.	Dimension.	Nominal Size of Tap in Inches.									
			$\frac{1}{4}$		$\frac{3}{8}$		$\frac{1}{2}$		$\frac{3}{4}$		$\frac{7}{8}$	
			Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1	A	Diameter of face of flange (for joint washer see Tables 1 and 2, line 8)	0·968	0·958	1·092	1·082	1·233	1·223	1·405	1·395	1·530	1·520
2	B	Major diameter of external thread on head (see Table 9)	0·750	—	0·8125	—	0·9531	—	1·0937	—	1·2187	—
3	C	Length of external thread on head	—	0·281	—	0·375	—	0·437	—	0·500	—	0·500
4	D	Major diameter of internal thread of spindle (see Table 8)	—	0·4375	—	0·5625	—	0·6250	—	0·7500	—	0·7500
5	E	Length of internal thread for spindle, including “recess”	—	0·600	—	0·790	—	0·850	—	1·020	—	1·020
6	F	Axial length of recess (equal to “lift” of washer plate)	0·143	—	0·167	—	0·182	—	0·250	—	0·250	0·250
7	G	Major diameter of internal thread in stuffing box (see Table 12)	—	0·5625	—	0·6250	—	0·6875	—	0·7500	—	0·7500
8	H	Major diameter of external thread on gland (see Table 11)	0·5625	—	0·6250	—	0·6875	—	0·7500	—	0·7500	—
9	J	Length of internal thread in stuffing box	—	0·312	—	0·375	—	0·437	—	0·500	—	0·500
10	K	Length of external thread on gland	—	0·250	—	0·300	—	0·350	—	0·400	—	0·400
11	L	Thickness of flange of gland.....	—	0·093	—	0·109	—	0·125	—	0·125	—	0·125
12	M	Thickness of flange of head.....	—	0·093	—	0·109	—	0·125	—	0·125	—	0·141
13	N	Axial length of hexagon.....	—	0·250	—	0·375	—	0·375	—	0·406	—	0·437
14	O	Size of hexagon over flats.....	—	0·718	—	0·812	—	0·875	—	0·937	—	0·937
15	P	Diameter of hole through head and gland (for spindle)	0·323	—	0·391	—	0·453	—	0·516	—	0·516	—
16	Q	Depth of recess in flange (for joint washer)	—	0·062	—	0·062	—	0·062	—	0·062	—	0·062

TABEL 4.—STANDAARDWATERKRANĖ, 1-DUIM TOT 2-DUIM.
AFMETINGS VAN BOSTUKKE EN PAKKINGDRUKKERS.
(Duime en desimale breuke van duime.)

1	2	3	4	5	6	7	8	9	10	11
Reël- no.	Verw.- letter op diag.	Afmeting.	Nominale grootte van kraan, duim.							
			1		1½		1½		2	
			Maks.	Min.	Maks.	Min.	Maks.	Min.	Maks.	Min.
1	A	Middel lyn van vlak van flens (vir pakkingring, sien Tabelle 1 en 2, reël 8)	1·945	1·930	2·410	2·390	2·770	2·750	3·490	2·470
2	B	Grootste middel lyn van buite-skroefdraad van bostuk sien Tabel 9)	1·5937	—	1·8594	—	2·1562	—	2·8125	—
3	C	Lengte van buite-skroefdraad van bostuk.....	—	0·625	—	0·687	—	0·750	—	0·875
4	D	Grootste middel lyn van binne-skroefdraad van skroefstang (sien Tabel 8)	—	0·8750	—	1·000	—	1·1250	—	1·2500
5	E	Lengte van binne-skroefdraad vir skroefstang, insluitende versonke gedeelte	—	1·240	—	1·380	—	1·670	—	1·760
6	F	Aksiale lengte van versonke gedeelte (gelyk aan „oplig” van klep)	0·334	—	0·375	—	0·500	—	0·500	—
7	G	Grootste middel lyn van binne-skroefdraad van pakkingbus (sien Tabel 12)	—	1·0625	—	1·2500	—	1·4375	—	1·6250
8	H	Grootste middel lyn van buite-skroefdraad van pakkingdrukker (sien Tabel 11)	1·0625	—	1·2500	—	1·4375	—	1·6250	—
9	J	Lengte van binne-skroefdraad in pakkingbus.....	—	0·625	—	0·687	—	0·812	—	0·937
10	K	Lengte van buite-skroefdraad van pakkingdrukker.	0·500	—	0·550	—	0·650	—	0·750	—
11	L	Flensdikte van pakkingdrukker.....	—	0·156	—	0·156	—	0·187	—	0·187
12	M	Flensdikte van bostuk.....	—	0·156	—	0·156	—	0·187	—	0·187
13	N	Aksiale lengte van seskant.....	—	0·437	—	0·531	—	0·625	—	0·750
14	O	Grootte van seskant oor platkante.....	—	1·312	—	1·562	—	1·750	—	2·125
15	P	Middel lyn van gat deur bostuk en pakkingdrukker (vir skroefstang)	0·644	—	0·708	—	0·835	—	0·963	—
16	Q	Diepte van versonke gedeelte in flens (vir pakking- ring)	—	0·062	—	0·078	—	0·093	—	0·093

TABLE 4.—STANDARD WATER TAPS 1 INCH TO 2 INCH.

DIMENSIONS OF HEADS AND GLANDS.
(In inches and decimal parts of an inch.)

1	2	3	4	5	6	7	8	9	10	11
Line No.	Reference Letter on Diagram.	Dimension.	Nominal Size of Tap in Inches.							
			1		1½		1½		2	
			Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1	A	Diameter of face of flange (for joint washer see Tables 1 and 2, line 8)	1·945	1·930	2·140	2·390	2·770	2·750	3·490	3·470
2	B	Major diameter of external thread on head (see Table 9)	1·5937	—	1·8594	—	2·1562	—	2·8125	—
3	C	Length of external thread on head.....	—	0·625	—	0·687	—	0·750	—	0·875
4	D	Major diameter of internal thread for spindle (see Table 8)	—	0·8750	—	1·000	—	1·1250	—	1·2500
5	E	Length of internal thread for spindle, including “recess”	—	1·240	—	1·380	—	1·670	—	1·760
6	F	Axial length of recess (equal to “lift” of washer plate)	0·334	—	0·375	—	0·500	—	0·500	—
7	G	Major diameter of internal thread in stuffing box (see Table 12)	—	1·0625	—	1·2500	—	1·4375	—	1·6250
8	H	Major diameter of external thread on gland (see Table 11)	1·0625	—	1·2500	—	1·4375	—	1·6250	—
9	J	Length of internal thread in stuffing box.....	—	0·625	—	0·687	—	0·812	—	0·937
10	K	Length of external thread on gland.....	0·500	—	0·550	—	0·650	—	0·750	—
11	L	Thickness of flange of gland.....	—	0·156	—	0·156	—	0·187	—	0·187
12	M	Thickness of flange of head.....	—	0·156	—	0·156	—	0·187	—	0·187
13	N	Axial length of hexagon.....	—	0·437	—	0·531	—	0·625	—	0·750
14	O	Size of hexagon over flats.....	—	1·312	—	1·562	—	1·750	—	2·125
15	P	Diameter of hole through head and gland (for spindle)	0·644	—	0·708	—	0·835	—	0·963	—
16	Q	Depth of recess in flange (for joint washer).....	—	0·062	—	0·078	—	0·093	—	0·093

TABEL 5.—STANDAARDWATERKRANE, ½-DUIM TOT ¾-DUIM.

AFMETINGS VAN KRUKKE, SKROEFSTANGE EN KLEPPE.
(Duime en desimale breuke van duime.)

1	2	3	4	5	6	7	8	9	10	11	12	13
Reël- no.	Verw.- letter op diag.	Afmeting.	Nominale grootte van kraan, duim.									
			¼		⅓		½		⅔		¾	
			Maks.	Min.	Maks.	Min.	Maks.	Min.	Maks.	Min.	Maks.	Min.
1	A	Lengte van ronde kruk.....	—	1·880	—	2·130	—	2·380	—	2·630	—	2·630
2	B	Middel lyn by aslyn van kruknaaf..	—	0·525	—	0·557	—	0·620	—	0·713	—	0·713
3	C	Grootte van platkante van vierkantige punt van skroefstang	—	0·218	—	0·265	—	0·312	—	0·343	—	0·343
4	D	Lengte van vierkantige punt van skroefstang	—	0·187	—	0·287	—	0·250	—	0·250	—	0·250
5	E	Lengte van gladde deel van skroefstang onder kruk	—	1·183	—	1·385	—	1·587	—	1·843	—	1·843
6	F	Afstand van onderkant van kruk tot bokant van pakkingbus as kraan toe is	—	0·650	—	0·750	—	0·875	—	1·000	—	1·000
7	G	Lengte van buite-skroefdraad van skroefstang	—	0·632	—	0·818	—	0·883	—	1·050	—	1·050
8	H	Diepte van gat (parallel) vir klep-steel in skroefstang	0·585	0·552	0·740	0·707	0·802	0·769	0·958	0·925	0·958	0·925
9	J	Middel lyn van gat (parallel) vir klepsteel in skroefstang	0·166	0·158	0·202	0·194	0·234	0·226	0·265	0·257	0·265	0·257
10	K	Middel lyn van gladde gedeelte van skroefstang	0·312	0·308	0·375	0·369	0·437	0·431	0·500	0·494	0·500	0·494
11	L	Grootste middel lyn van buitedraad van skroefstang (sien Tabel 7)	0·4375	—	0·5625	—	0·6250	—	0·7500	—	0·7500	—
12	M	Middel lyn van klepsteel.....	0·156	0·151	0·192	0·187	0·224	0·219	0·225	0·250	0·255	0·250
13	N	Buite-middel lyn van klep (plat soort)	0·572	0·562	0·635	0·625	0·760	0·750	0·885	0·875	1·010	1·000
14	O	Buite-middel lyn van klep (gerande tipe)	0·654	0·644	0·716	0·706	0·841	0·831	0·982	0·972	1·103	1·093
15	P	Binne-middel lyn van klep (gerande tipe)	0·572	0·562	0·635	0·625	0·760	0·750	0·885	0·875	1·010	1·000
16	Q	Lengte van klepsteel.....	0·490	0·458	0·645	0·613	0·707	0·675	0·863	0·831	0·863	0·831
17	R	Dikte van klep.....	—	0·109	—	0·125	—	0·125	—	0·125	—	0·156
18	S	Dikte van sluitring (nuut).....	—	0·093	—	0·156	—	0·156	—	0·156	—	0·156
19	T	Grootte van bout en moer (om sluitring mee te bevestig)	No. 4	B.A.	No. 4	B.A.	No. 2	B.A.	No. 2	B.A.	No. 0	B.A.

TABLE 5.—STANDARD WATER TAPS ¼ INCH TO ½ INCH.
DIMENSIONS OF CRUTCHES, SPINDLES AND WASHER PLATES.
(In inches and decimal parts of an inch.)

1	2	3	4	5	6	7	8	9	10	11	12	13
Line No.	Reference Letter on Diagram.	Dimension.	Nominal Size of Tap in Inches.									
			¼		⅜		½		⅝		¾	
			Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1	A	Length of round crutch.....	—	1·880	—	2·130	—	2·380	—	2·630	—	2·630
2	B	Diameter at centre line of boss of crutch	—	0·525	—	0·557	—	0·620	—	0·713	—	0·713
3	C	Size across flats of square end of spindle	—	0·218	—	0·265	—	0·312	—	0·343	—	0·343
4	D	Length of square end of spindle....	—	0·187	—	0·187	—	0·250	—	0·250	—	0·250
5	E	Length under crutch of plain portion of spindle	—	1·183	—	1·385	—	1·587	—	1·843	—	1·843
6	F	Distance (when closed) underside of crutch to top of stuffing box	—	0·650	—	0·750	—	0·875	—	1·000	—	1·000
7	G	Length of external thread on spindle	—	0·632	—	0·818	—	0·883	—	1·050	—	1·050
8	H	Depth of parallel hole in spindle (for stem of washer plate)	0·585	0·552	0·740	0·707	0·802	0·769	0·958	0·925	0·958	0·925
9	J	Diameter of parallel hole in spindle (for stem of washer plate)	0·166	0·158	0·202	0·194	0·234	0·226	0·265	0·257	0·265	0·257
10	K	Diameter of plain portion of spindle	0·312	0·308	0·375	0·369	0·437	0·431	0·500	0·494	0·500	0·494
11	L	Major diameter of external thread on spindle (see Table 7)	0·4375	—	0·5625	—	0·6250	—	0·7500	—	0·7500	—
12	M	Diameter of stem of washer plate....	0·156	0·151	0·192	0·187	0·224	0·219	0·225	0·250	0·255	0·250
13	N	Outside diameter of washer plate (flat type)	0·572	0·562	0·635	0·625	0·760	0·750	0·885	0·875	1·010	1·000
14	O	Outside diameter of washer plate (shrouded type)	0·654	0·644	0·716	0·706	0·841	0·831	0·982	0·972	1·103	1·093
15	P	Inside diameter of washer plate (shrouded type)	0·572	0·562	0·635	0·625	0·760	0·750	0·885	0·875	1·010	1·000
16	Q	Length of washer plate stem.....	0·490	0·458	0·645	0·613	0·707	0·675	0·863	0·831	0·863	0·831
17	R	Thickness of washer plate.....	—	0·109	—	0·125	—	0·125	—	0·125	—	0·156
18	S	Thickness of washer (when new)....	—	0·093	—	0·156	—	0·156	—	0·156	—	0·156
19	T	Size of stud and nut (for fixing washer)	No. 4	B.A.	No. 4	B.A.	No. 2	B.A.	No. 2	B.A.	No. 0	B.A.

TABEL 6.—STANDAARDWATERKRANE, 1-DUIM TOT 2-DUIM.

AFMETINGS VAN KRUKKE, SKROEFSTANGE EN KLEPPE.
(Duime en desimale breuke van duime.)

1	2	3	4	5	6	7	8	9	10	11
Reël- no.	Verw.- letter op diag.	Afmeting.	Nominale grootte van kraan, duim.							
			1		1½		1½		2	
			Maks.	Min.	Maks.	Min.	Maks.	Min.	Maks.	Min.
1	A	Lengte van ronde kruk.....	—	3·250	—	3·750	—	4·500	—	5·000
2	B	Middel lyn by aslyn van kruknaaf.....	—	0·870	—	0·995	—	1·093	—	1·250
3	C	Grootte van platkante van vierkantige punt van skroefstang	—	0·437	—	0·484	—	0·578	—	0·656
4	D	Lengte van vierkantige punt van skroefstang.....	—	0·312	—	0·375	—	0·437	—	0·500
5	E	Lengte van gladde deel van skroefstang onder kruk	—	2·333	—	2·530	—	2·968	—	3·374
6	F	Afstand van onderkant van kruk tot bokant van pakkingbus as kraan toe is	—	1·250	—	1·312	—	1·500	—	1·750
7	G	Lengte van buite-skroefdraad van skroefstang.....	—	1·300	—	1·440	—	1·730	—	1·820
8	H	Diepte van gat (parallel) vir klepsteel in skroefstang	1·144	1·082	1·284	1·223	1·514	1·452	1·614	1·552
9	J	Middel lyn van gat (parallel) vir klepsteel in skroefstang	0·297	0·289	0·322	0·314	0·353	0·345	0·550	0·520
10	K	Middel lyn van gladde gedeelte van skroefstang....	0·625	0·618	0·687	0·680	0·812	0·805	0·937	0·929
11	L	Grootste middel lyn van buitedraad van skroefstang (sien Tabel 7)	0·8750	—	1·000	—	1·1250	—	1·250	—
12	M	Middel lyn van klepsteel.....	0·287	0·281	0·312	0·306	0·343	0·337	0·500	0·493
13	N	Buite-middel lyn van klep (plat soort).....	1·322	1·312	1·600	1·580	1·900	1·880	2·530	2·500
14	O	Buite-middel lyn van klep (gerande tipe).....	1·437	1·427	1·707	1·697	2·007	1·997	2·652	2·642
15	P	Binne-middel lyn van klep (gerande tipe).....	1·322	1·312	1·600	1·580	1·900	1·880	2·530	2·500
16	Q	Lengte van klepsteel.....	1·020	0·958	1·160	1·098	1·390	1·328	1·490	1·428
17	R	Dikte van klep.....	—	0·156	—	0·171	—	0·218	—	0·250
18	S	Dikte van sluitring (nuut).....	—	0·187	—	0·187	—	0·250	—	0·250
19	T	Grootte van bout en moer (om sluiting mee te bevestig)	No. 0	B.A.	$\frac{5}{16}$	B.S.F.	$\frac{5}{16}$	B.S.F.	$\frac{3}{4}$	B.S.F.

TABLE 6.—STANDARD WATER TAPS 1 INCH TO 2 INCH.
 DIMENSIONS OF CRUTCHES, SPINDLES AND WASHER PLATES.
 (In inches and decimal parts of an inch.)

1	2	3	4	5	6	7	8	9	10	11
Line No.	Reference Letter on Diagram.	Dimension.	Nominal Size of Tap in Inches.							
			1		1½		1½		2	
			Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1	A	Length of round crutch.....	—	3.250	—	3.750	—	4.500	—	5.000
2	B	Diameter at centre line of boss of crutch.....	—	0.870	—	0.995	—	1.093	—	1.250
3	C	Size across flats of square end of spindle.....	—	0.437	—	0.484	—	0.578	—	0.656
4	D	Length of square end of spindle.....	—	0.312	—	0.375	—	0.437	—	0.500
5	E	Length under crutch of plain portion of spindle....	—	2.333	—	2.530	—	2.968	—	3.374
6	F	Distance (when closed) underside of crutch to top of stuffing box.	—	1.250	—	1.312	—	1.500	—	1.750
7	G	Length of external thread on spindle.....	—	1.300	—	1.440	—	1.730	—	1.820
8	H	Depth of parallel hole in spindle (for stem of washer plate)	1.144	1.082	1.284	1.223	1.514	1.452	1.614	1.552
9	J	Diameter of parallel hole in spindle (for stem of washer plate)	0.297	0.289	0.322	0.314	0.353	0.345	0.550	0.520
10	K	Diameter of plain portion of spindle.....	0.625	0.618	0.687	0.680	0.812	0.805	0.937	0.929
11	L	Major diameter of external thread on spindle (see Table 7)	0.8750	—	1.000	—	1.1250	—	1.2500	—
12	M	Diameter of stem of washer plate.....	0.287	0.281	0.312	0.306	0.343	0.337	0.500	0.493
13	N	Outside diameter of washer plate (flat type).....	1.322	1.312	1.600	1.580	1.900	1.880	2.530	2.500
14	O	Outside diameter of washer plate (shrouded type)....	1.437	1.427	1.707	1.697	2.007	1.997	2.652	2.642
15	P	Inside diameter of washer plate (shrouded type)....	1.322	1.312	1.600	1.580	1.900	1.880	2.530	2.500
16	Q	Length of washer plate stem.....	1.020	0.958	1.160	1.098	1.390	1.328	1.490	1.428
17	R	Thickness of washer plate.....	—	0.156	—	0.171	—	0.218	—	0.250
18	S	Thickness of washer (when new).....	—	0.187	—	0.187	—	0.250	—	0.250
19	T	Size of stud and nut (for fixing washer).....	No. 0	B.A.	⅝	B.S.F.	⅝	B.S.F.	¾	B.S.F.

TABEL 7.—WHITWORTHSKROEFDRAAD (BUITE) VAN SKROEFSTANGE WAT BY BINNESKROEFDRAAD VAN BOSTUK MOET PAS.

PERKE EN TOLERANSIE—VRYE SPELING.

1	2	3	4	5	6	7	8	9	10	11	12	13
Reël-no.	Grootte van waterkraan.	Nominale middellyn van draad.	Getal skroefdrade per dm.	Grootste middellyn.			Effekttiewe middellyn.			Kleinste middellyn.		
				Maks.	Tol.	Min.	Maks.	Tol.	Min.	Maks.	Tol.	Min.
1	Duim.	Duim.	14	0.4375	0.0100	0.4275	0.3918	0.0073	0.3845	0.3461	0.0126	0.3335
2	$\frac{1}{2}$	$\frac{7}{16}$	12	0.5625	0.0109	0.5516	0.5091	0.0080	0.5011	0.4557	0.0138	0.4419
3	$\frac{3}{8}$	$\frac{9}{16}$	11	0.6250	0.0114	0.6136	0.5668	0.0084	0.5584	0.5086	0.0144	0.4942
4	$\frac{1}{2}$	$\frac{1}{2}$	10	0.7500	0.0122	0.7378	0.6860	0.0090	0.6770	0.6220	0.0153	0.6067
5	$\frac{3}{4}$	$\frac{3}{4}$	9	0.8750	0.0129	0.8621	0.8039	0.0096	0.7943	0.7328	0.0163	0.7165
6	$1\frac{1}{2}$	1	8	1.0000	0.0137	0.9863	0.9200	0.0102	0.9098	0.8400	0.0173	0.8227
7	$1\frac{1}{2}$	$1\frac{1}{2}$	7	1.1250	0.0145	1.1105	1.0335	0.0107	1.0228	0.9420	0.0183	0.9237
8	2	$1\frac{1}{2}$	7	1.2500	0.0149	1.2351	1.1585	0.0111	1.1474	1.0670	0.0187	1.0483

LET WEL.—In bostaande tabel word B.S.-Whitworth-, bout "groottes, B.S. 84, tabel 1, aangegee en die perke en toleransies kom ten opsigte van die verskillende groottes ooreen met tabel 6.

Die grootte van die skroefstangdraad vir $\frac{3}{8}$ -duim- en $\frac{1}{2}$ -duimwaterkrane is dieselfde as dié wat in reël 4 aangegee word.

TABLE 7.—WHITWORTH SCREW THREADS (EXTERNAL) ON SPINDLES FOR ENGAGEMENT WITH HEAD THREADS (INTERNAL).

LIMITS AND TOLERANCES—FREE FIT.

1	2	3	4	5	6	7	8	9	10	11	12	13
Line No.	Size of Water Tap.	Nominal Diameter of Thread.	Number of Threads per Inch.	Major Diameter.			Effective Diameter.			Minor Diameter.		
				Max.	Tol.	Min.	Max.	Tol.	Min.	Max.	Tol.	Min.
1	Inch.	Inch.	14	0.4375	0.0100	0.4275	0.3918	0.0073	0.3845	0.3461	0.0126	0.3335
2	$\frac{1}{2}$	$\frac{7}{16}$	12	0.5625	0.0109	0.5516	0.5091	0.0080	0.5011	0.4557	0.0138	0.4419
3	$\frac{3}{8}$	$\frac{9}{16}$	11	0.6250	0.0114	0.6136	0.5668	0.0084	0.5584	0.5086	0.0144	0.4942
4	$\frac{1}{2}$	$\frac{1}{2}$	10	0.7500	0.0122	0.7378	0.6860	0.0090	0.6770	0.6220	0.0153	0.6067
5	$\frac{3}{4}$	$\frac{3}{4}$	9	0.8750	0.0129	0.8621	0.8039	0.0096	0.7943	0.7328	0.0163	0.7165
6	$1\frac{1}{2}$	1	8	1.0000	0.0137	0.9863	0.9200	0.0102	0.9098	0.8400	0.0173	0.8227
7	$1\frac{1}{2}$	$1\frac{1}{2}$	7	1.1250	0.0145	1.1105	1.0335	0.0107	1.0228	0.9420	0.0183	0.9237
8	2	$1\frac{1}{2}$	7	1.5400	0.0149	1.2351	1.1585	0.0111	1.1474	1.0670	0.0187	1.0483

NOTES.—The sizes given in the above Table are B.S. Whitworth "Bolt" sizes, B.S. 84, Table 1, and the limits and tolerances correspond with Table 6 for the various sizes.

The size of spindle thread for $\frac{3}{8}$ -inch and $\frac{1}{2}$ -inch taps is the same, as given in line 4.

TABEL 8.—WHITWORTHSKROEFDRAAD (BINNE) VAN BOSTUKKE WAT BY BUITESKROEFDRAAD VAN SKROEFSTANG MOET PAS.

PERKE EN TOLERANSIE—MEDIUM-SPELING.

1	2	3	4	5	6	7	8	9	10	11
Reël- no.	Grootte van water- kraan.	Nominale middellyn van draad.	Getal skroef- drade per duim.	Grootste middellyn. Min.	Effektiewe middellyn.			Kleinste middellyn.		
					Maks.	Tol.	Min.	Maks.	Tol.	Min.
1	Duim.	Duim.	14	0.4375	0.3966	0.0048	0.3918	0.3674	0.0213	0.3461
2	$\frac{1}{2}$	$\frac{7}{16}$	12	0.5625	0.5144	0.0053	0.5091	0.4794	0.0237	0.4557
3	$\frac{3}{8}$	$\frac{9}{16}$	11	0.6250	0.5724	0.0056	0.5668	0.5338	0.0252	0.5086
4	$\frac{1}{2}$	$\frac{1}{2}$	10	0.7500	0.6920	0.0060	0.6860	0.6490	0.0270	0.6220
5	$\frac{3}{4}$	$\frac{3}{4}$	9	0.8750	0.8103	0.0064	0.8039	0.7620	0.0292	0.7328
6	$1\frac{1}{2}$	1	8	1.0000	0.9268	0.0068	0.9200	0.8720	0.0320	0.8400
7	$1\frac{1}{2}$	$1\frac{1}{2}$	7	1.1250	1.0407	0.0072	1.0335	0.9776	0.0356	0.9420
8	2	$1\frac{1}{2}$	7	1.2500	1.1659	0.0074	1.1585	1.1026	0.0356	1.0670

LET WEL.—In bostaande Tabel word B.S.-Whitworth-, moer "groottes, B.S. 84, Tabel 1, aangegee en die perke en toleransies kom ten opsigte van die verskillende groottes ooreen met Tabel 5.

Die grootte van die binnendraad van skroefstange vir $\frac{3}{8}$ -duim- en $\frac{1}{2}$ -duim-waterkrane is dieselfde as dié wat in reël 4 aangegee word.

TABLE 8.—WHITWORTH SCREW THREADS (INTERNAL) ON HEADS FOR ENGAGEMENT WITH SPINDLE THREADS (EXTERNAL).

LIMITS AND TOLERANCES: MEDIUM FIT.

1	2	3	4	5	6	7	8	9	10	11
Line No.	Size of Water Tap.	Nominal Diameter of Thread.	Number of Threads per Inch.	Major Diameter. Min.	Effective Diameter.			Minor Diameter.		
					Max.	Tol.	Min.	Max.	Tol.	Min.
1	Inches. $\frac{1}{8}$	Inches. $\frac{7}{16}$	14	0.4375	0.3966	0.0048	0.3918	0.3674	0.0213	0.3461
2	$\frac{3}{8}$	$\frac{9}{16}$	12	0.5625	0.5144	0.0053	0.5091	0.4794	0.0237	0.4557
3	$\frac{1}{2}$	$\frac{3}{4}$	11	0.6250	0.5724	0.0056	0.5668	0.5338	0.0252	0.5086
4	$\frac{3}{4}$, $\frac{1}{2}$	$\frac{1}{2}$	10	0.7500	0.6920	0.0060	0.6860	0.6490	0.0270	0.6220
5	$\frac{1}{2}$	$\frac{3}{4}$	9	0.8750	0.8103	0.0064	0.8039	0.7620	0.0292	0.7328
6	$1\frac{1}{4}$	1	8	1.0000	0.9268	0.0068	0.9200	0.8720	0.0320	0.8400
7	$1\frac{1}{2}$	$1\frac{1}{4}$	7	1.1250	1.0407	0.0072	1.0335	0.9776	0.0356	0.9420
8	2	$1\frac{1}{2}$	7	1.2500	1.1659	0.0074	1.1585	1.1026	0.0356	1.0670

Notes.—The sizes given in the above Table are B.S. Whitworth "Nut" sizes B.S. 84, Table 1, and the limits and tolerances correspond with Table 5, for the various sizes.

The sizes of internal thread for spindles for $\frac{3}{8}$ -inch and $\frac{1}{2}$ -inch taps is the same as given in line 4.

TABEL 9.—WHITWORTHSKROEFDRAAD (BUITE) VAN BOSTUKKE WAT BY BINNESKROEFDRAAD VAN KRAANHUIS MOET PAS.

1	2	3	4	5	6	7	8	9	10	11	12
Reëlno.	Grootte van waterkraan.	Getal skroefdrade per duim.	Grootste middellyn.			Effektiewe middellyn.			Kleinste middellyn.		
			Maks.	Tol.	Min.	Maks.	Tol.	Min.	Maks.	Tol.	Min.
1	Duim. $\frac{1}{8}$	18	0.75	0.0070	0.7430	0.7144	0.0046	0.7098	0.6788	0.0093	0.6695
2	$\frac{3}{8}$	18	0.8125	0.0073	0.8052	0.7769	0.0049	0.7720	0.7413	0.0096	0.7317
3	$\frac{1}{2}$	18	0.9531	0.0076	0.9455	0.9175	0.0052	0.9123	0.8819	0.0099	0.8720
4	$\frac{3}{4}$	18	1.0937	0.0076	1.0861	1.0581	0.0052	1.0529	1.0225	0.0099	1.0126
5	$\frac{1}{2}$	18	1.2187	0.0076	1.2111	1.1831	0.0052	1.1779	1.1475	0.0099	1.1376
6	1	14	1.5937	0.0089	1.5848	1.5480	0.0062	1.5418	1.5023	0.0115	1.4908
7	$1\frac{1}{4}$	14	1.8594	0.0089	1.8505	1.8137	0.0062	1.8075	1.7680	0.0115	1.7565
8	$1\frac{1}{2}$	14	2.1562	0.0092	2.1470	2.1105	0.0065	2.1040	2.0648	0.0118	2.0530
9	2	14	2.8125	0.0097	2.8028	2.7668	0.0070	2.7598	2.7211	0.0123	2.7088

TABLE 9.—WHITWORTH SCREW THREADS (EXTERNAL) ON HEADS FOR ENGAGEMENT WITH BODY THREADS (INTERNAL).

1	2	3	4	5	6	7	8	9	10	11	12
Line No.	Size of Water Tap.	Number of Threads per Inch.	Major Diameter.			Effective Diameter.			Minor Diameter.		
			Max.	Tol.	Min.	Max.	Tol.	Min.	Max.	Tol.	Min.
1	Inches. $\frac{1}{8}$	18	0.75	0.0070	0.7430	0.7144	0.0046	0.7098	0.6788	0.0093	0.6695
2	$\frac{3}{8}$	18	0.8125	0.0073	0.8052	0.7769	0.0049	0.7720	0.7413	0.0096	0.7317
3	$\frac{1}{2}$	18	0.9531	0.0076	0.9455	0.9175	0.0052	0.9123	0.8819	0.0099	0.8720
4	$\frac{3}{4}$	18	1.0937	0.0076	1.0861	1.0581	0.0052	1.0529	1.0225	0.0099	1.0126
5	$\frac{1}{2}$	18	1.2187	0.0076	1.2111	1.1831	0.0052	1.1779	1.1475	0.0099	1.1376
6	1	14	1.5937	0.0089	1.5848	1.5480	0.0062	1.5418	1.5023	0.0115	1.4908
7	$1\frac{1}{4}$	14	1.8594	0.0089	1.8505	1.8137	0.0062	1.8075	1.7680	0.0115	1.7565
8	$1\frac{1}{2}$	14	2.1562	0.0092	2.1470	2.1105	0.0065	2.1040	2.0648	0.0118	2.0530
9	2	14	2.8125	0.0097	2.8028	2.7668	0.0070	2.7598	2.7211	0.0123	2.7088

TABEL 10.—WHITWORTHSKROEFDRAAD (BINNE) VAN KRAANHUISE WAT BY BUITESKROEFDRAAD VAN BOSTUK MOET PAS.

1	2	3	4	5	6	7	8	9	10	Opmerkings.
Reëlno.	Grootte van waterkraan.	Getal skroefdrade per duim.	Grootste middellyn. Min.	Effektiewe middellyn.			Kleinste middellyn.			
				Maks.	Tol.	Min.	Maks.	Tol.	Min.	
1	Duim.	18	0.7500	0.7190	0.0046	0.7144	0.6969	0.0181	0.6788	Die toleransies wat in Tabelle 9 en 10 toe- gelaat word, is gebas- seer op Tabelle 24 en 26 in B.S. 84 (medium-speling).
2	$\frac{1}{4}$	18	0.8125	0.7818	0.0049	0.7769	0.7594	0.0181	0.7413	
3	$\frac{1}{2}$	18	0.9531	0.9227	0.0052	0.9175	0.9000	0.0181	0.8819	
4	$\frac{3}{4}$	18	1.0937	1.0633	0.0052	1.0581	1.0406	0.0181	1.0225	
5	$\frac{1}{2}$	18	1.2187	1.1883	0.0052	1.1831	1.1656	0.0181	1.1475	
6	1	14	1.5937	1.5542	0.0062	1.5480	1.5236	0.0213	1.5023	
7	$1\frac{1}{4}$	14	1.8594	1.8199	0.0062	1.8137	1.7893	0.0213	1.7680	
8	$1\frac{1}{2}$	14	2.1562	2.1170	0.0065	2.1105	2.0861	0.0213	2.0648	
9	2	14	2.8125	2.7738	0.0070	2.7668	2.7424	0.0213	2.7211	

TABLE 10.—WHITWORTH SCREW THREADS (INTERNAL) ON BODIES FOR ENGAGEMENT WITH HEAD THREADS (EXTERNAL).

1	2	3	4	5	6	7	8	9	10	Notes.
Line No.	Size of Water Tap.	Number of Threads per Inch.	Major Diameter. Min.	Effective Diameter.			Minor Diameter.			
				Max.	Tol.	Min.	Max.	Tol.	Min.	
1	Inches.	18	0.7500	0.7190	0.0046	0.7144	0.6969	0.0181	0.6788	The tolerances allowed in Tables 9 and 10 are based upon Tables 24 and 26 in B.S. 84 (medium fit).
2	$\frac{1}{4}$	18	0.8125	0.7818	0.0049	0.7769	0.7594	0.0181	0.7413	
3	$\frac{1}{2}$	18	0.9531	0.9227	0.0052	0.9175	0.9000	0.0181	0.8819	
4	$\frac{3}{4}$	18	1.0937	1.0633	0.0052	1.0581	1.0406	0.0181	1.0225	
5	$\frac{1}{2}$	18	1.2187	1.1883	0.0052	1.1831	1.1656	0.0181	1.1475	
6	1	14	1.5937	1.5542	0.0062	1.5480	1.5236	0.0213	1.5023	
7	$1\frac{1}{4}$	14	1.8594	1.8199	0.0062	1.8137	1.7893	0.0213	1.7680	
8	$1\frac{1}{2}$	14	2.1562	2.1170	0.0065	2.1105	2.0861	0.0213	2.0648	
9	2	14	2.8125	2.7738	0.0070	2.7668	2.7424	0.0213	2.7211	

TABEL 11.—WHITWORTHSKROEFDRAAD (BUITE) VAN PAKKINGDRUKKER WAT BY BINNESKROEFDRADE VAN PAKKINGBUS MOET PAS.

1	2	3	4	5	6	7	8	9	10	11	12
Reëlno.	Grootte van waterkraan.	Getal skroefdrade per duim.	Grootste middellyn.			Effektiewe middellyn.			Kleinste middellyn.		
			Maks.	Tol.	Min.	Maks.	Tol.	Min.	Maks.	Tol.	Min.
1	Duim.	18	0.5625	0.0070	0.5555	0.5269	0.0046	0.5223	0.4913	0.0093	0.4820
2	$\frac{1}{4}$	18	0.6250	0.0070	0.6180	0.5894	0.0046	0.5748	0.5538	0.0093	0.5445
3	$\frac{1}{2}$	18	0.6875	0.0070	0.6805	0.6519	0.0046	0.6473	0.6163	0.0093	0.6070
4	$\frac{3}{4}$	18	0.7500	0.0073	0.7427	0.7144	0.0049	0.7095	0.6788	0.0096	0.6692
5	$\frac{1}{2}$	18	0.7500	0.0073	0.7427	0.7144	0.0049	0.7095	0.6788	0.0096	0.6692
6	1	18	1.0625	0.0076	1.0549	1.0269	0.0052	1.0217	0.9913	0.0099	0.9814
7	$1\frac{1}{4}$	14	1.2500	0.0083	1.2417	1.2043	0.0056	1.1987	1.1586	0.0109	1.1477
8	$1\frac{1}{2}$	14	1.4375	0.0087	1.4288	1.3918	0.0060	1.3858	1.3461	0.0113	1.3348
9	2	14	1.6250	0.0087	1.6163	1.5793	0.0060	1.5733	1.5336	0.0113	1.5223

TABLE 11.—WHITWORTH SCREW THREADS (EXTERNAL) ON GLANDS FOR ENGAGEMENT WITH STUFFING BOX THREADS (INTERNAL).

1	2	3	4	5	6	7	8	9	10	11	12
Line No.	Size of Water Tap.	Number of Threads per Inch.	Major Diameter.			Effective Diameter.			Minor Diameter.		
			Max.	Tol.	Min.	Max.	Tol.	Min.	Max.	Tol.	Min.
1	Inches.	18	0.5625	0.0070	0.5555	0.5269	0.0046	0.5223	0.4913	0.0093	0.4820
2	$\frac{1}{4}$	18	0.6250	0.0070	0.6180	0.5894	0.0046	0.5748	0.5538	0.0093	0.5445
3	$\frac{1}{2}$	18	0.6875	0.0070	0.6805	0.6519	0.0046	0.6473	0.6163	0.0093	0.6070
4	$\frac{3}{4}$	18	0.7500	0.0073	0.7427	0.7144	0.0049	0.7095	0.6788	0.0096	0.6692
5	$\frac{1}{2}$	18	0.7500	0.0073	0.7427	0.7144	0.0049	0.7095	0.6788	0.0096	0.6692
6	1	18	1.0625	0.0076	1.0549	1.0269	0.0052	1.0217	0.9913	0.0099	0.9814
7	$1\frac{1}{4}$	14	1.2500	0.0083	1.2417	1.2043	0.0056	1.1987	1.1586	0.0109	1.1477
8	$1\frac{1}{2}$	14	1.4375	0.0087	1.4288	1.3918	0.0060	1.3858	1.3461	0.0113	1.3348
9	2	14	1.6250	0.0087	1.6163	1.5793	0.0060	1.5733	1.5336	0.0113	1.5223

TABEL 12.—WHITWORTHSKROEFDRAAD (BINNE) VAN PAKKINGBUS WAT BY BUITESKROEFDRADE VAN PAKKINGDRUKKER MOET PAS.

1	2	3	4	5	6	7	8	9	10	Opmerkings.
Reëlno.	Grootte van waterkraan.	Getal skroefdrade per duim.	Grootste middel-lyn. Min.	Effektiewe middel-lyn.			Kleinste middel-lyn.			
				Maks.	Tol.	Min.	Maks.	Tol.	Min.	
1	Duim.	18	0.5625	0.5315	0.0046	0.5269	0.5094	0.0181	0.4913	Die toleransie wat in Tabelle 11 en 12 toe- gelaat word, is geba- seer op Tabelle 24 en 26 in B.S. 84 (medium-speling).
2	$\frac{1}{4}$	18	0.6250	0.5940	0.0046	0.5894	0.5719	0.0181	0.5538	
3	$\frac{1}{2}$	18	0.6875	0.6565	0.0046	0.6519	0.6344	0.0181	0.6163	
4	$\frac{3}{4}$	18	0.7500	0.7193	0.0049	0.7144	0.6969	0.0181	0.6788	
5	$\frac{1}{2}$	18	0.7500	0.7193	0.0049	0.7144	0.6969	0.0181	0.6788	
6	1	18	1.0625	1.0321	0.0052	1.0269	1.0094	0.0181	0.9913	
7	$1\frac{1}{4}$	14	1.2500	1.2099	0.0056	1.2043	1.1799	0.0213	1.1586	
8	$1\frac{1}{2}$	14	1.4375	1.3978	0.0060	1.3918	1.3674	0.0213	1.3461	
9	2	14	1.6250	1.5853	0.0060	1.5793	1.5549	0.0213	1.5336	

TABLE 12.—WHITWORTH SCREW THREADS (INTERNAL) IN STUFFING BOX FOR ENGAGEMENT WITH GLAND THREADS (EXTERNAL).

1	2	3	4	5	6	7	8	9	10	Notes.
Line No.	Size of Water Tap.	Number of Threads per Inch.	Major Diameter. Min.	Effective Diameter.			Minor Diameter.			
				Max.	Tol.	Min.	Max.	Tol.	Min.	
	Inches.									
1	Threads per Inch	18	0.5625	0.5315	0.0046	0.5269	0.5094	0.0181	0.4913	The tolerances allowed in Tables 11 and 12 are based upon Tables 24 and 26 in B.S. 84 (medium fit).
2		18	0.6250	0.5940	0.0046	0.5894	0.5719	0.0181	0.5538	
3		18	0.6875	0.6565	0.0046	0.6519	0.6344	0.0181	0.6163	
4		18	0.7500	0.7193	0.0049	0.7144	0.6969	0.0181	0.6788	
5		18	0.7500	0.7193	0.0049	0.7144	0.6969	0.0181	0.6788	
6		18	1.0625	1.0321	0.0052	1.0269	1.0094	0.0181	0.9913	
7		14	1.2500	1.2099	0.0056	1.2043	1.1799	0.0213	1.1586	
8		14	1.4375	1.3978	0.0060	1.3918	1.3674	0.0213	1.3461	
9		14	1.6250	1.5853	0.0060	1.5793	1.5549	0.0213	1.5336	

TABEL 13.—SLEUTELTABEL VIR KOPPELPUNTSTUKKE.

	Nominale grootte van kraan.	Grootte van skroefdraad aan in- en uitlaat B.S.-pyp (parallel).	Afmetings wat in ondergenoemde kolomme van Tabel 14 aangegee word.
Regop waterkrane (en soortgelyke toebehore)	Duim.	$\frac{1}{4}$	8 en 9
	$\frac{1}{2}$	$\frac{1}{2}$	12 " 13
	1	1	16 " 17
Afsluitkrane (vir alle doeleindes met koppelinlaatpype van volle kaliber)	$\frac{1}{4}$	$\frac{3}{4}$	6 " 7
	$\frac{1}{2}$	$\frac{1}{2}$	8 " 9
	$\frac{3}{4}$	$\frac{1}{2}$	10 " 11
	1	$\frac{1}{2}$	14 " 15
	$1\frac{1}{4}$	$1\frac{1}{2}$	18 " 19
	$1\frac{1}{2}$	$1\frac{1}{2}$	20 " 21
	2	$1\frac{1}{2}$	22 " 23
		2	26 " 27

TABLE 13.—KEY TABLE FOR UNION ENDS.

	Nominal Size of Tap.	Size of Thread on Inlet or Outlet B.S. Pipe (Parallel).	Dimensions Given in Under-mentioned Columns of Table 14.
Pillar Taps (and similar fittings)	Inches.	$\frac{1}{4}$	8 and 9
	$\frac{1}{2}$	$\frac{1}{2}$	12 " 13
	1	1	16 " 17
Stop Taps (for all purposes with full bore union tail pipes)	$\frac{1}{4}$	$\frac{3}{4}$	6 " 7
	$\frac{1}{2}$	$\frac{1}{2}$	8 " 9
	$\frac{3}{4}$	$\frac{1}{2}$	10 " 11
	1	$\frac{1}{2}$	14 " 15
	$1\frac{1}{4}$	$1\frac{1}{2}$	18 " 19
	$1\frac{1}{2}$	$1\frac{1}{2}$	20 " 21
	2	$1\frac{1}{2}$	22 " 23
		2	26 " 27

TABLE 14.—PARALLEL SPIGOT AND CONE END TAIL PIPES FOR TAPS.

DIMENSIONS OF $\frac{1}{4}$ TO $2\frac{1}{2}$ INCH SIZES.

Nominal sizes of B.S. Pipe (Parallel) thread.

Dimensions in inches and decimal parts of an inch.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Letter No.	Reference on Diagram.	Dimensioned Part.	$\frac{1}{4}$		$\frac{3}{8}$		$\frac{1}{2}$		$\frac{5}{8}$		$\frac{3}{4}$		$\frac{7}{8}$		1		$1\frac{1}{4}$		$1\frac{1}{2}$		$1\frac{3}{4}$		2		$2\frac{1}{4}$		$2\frac{1}{2}$	
			Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1	A	PARALLEL SPIGOT TAIL PIPES: Diameter of parallel spigot.....	0.305	—	0.437	—	0.576	—	0.647	—	0.780	—	0.922	—	1.011	—	1.340	—	1.560	—	1.782	—	2.001	—	2.229	—	2.590	—
2	B	Diameter of collar.....	—	0.426	—	0.564	—	0.709	—	0.786	—	0.925	—	1.072	—	1.157	—	1.498	—	1.730	—	1.953	—	2.184	—	2.424	—	2.797
3	E	Length of parallel spigot.....	0.187	0.125	0.250	0.187	0.250	0.187	0.250	0.187	0.250	0.187	0.250	0.187	0.250	0.187	0.312	0.250	0.375	0.312	0.375	0.312	0.375	0.312	0.375	0.312	0.375	0.312
4	F	Length of collar.....	—	0.060	—	0.075	—	0.095	—	0.095	—	0.095	—	0.119	—	0.119	—	0.133	—	0.152	—	0.152	—	0.160	—	0.170	—	0.180
5	H	Length of tail (from under collar to end).....	—	1.590	—	2.000	—	2.125	—	2.125	—	2.250	—	2.250	—	2.312	—	2.375	—	2.500	—	2.500	—	2.750	—	2.875	—	3.000
6	J	Bore of tail (hot pressed).....	—	0.179	—	0.307	—	0.431	—	0.502	—	0.635	—	0.762	—	0.835	—	1.159	—	1.379	—	1.577	—	1.786	—	2.014	—	2.375
7	J	Bore of tail (casting).....	—	0.160	—	0.277	—	0.400	—	0.470	—	0.603	—	0.732	—	0.803	—	1.127	—	1.347	—	1.549	—	1.757	—	1.985	—	2.346
8	K	Thickness of wall of plain tail (hot pressed)....	—	0.053	—	0.055	—	0.062	—	0.062	—	0.062	—	0.070	—	0.078	—	0.078	—	0.078	—	0.090	—	0.095	—	0.095	—	0.095
9	K	Thickness of wall of plain tail (casting).....	—	0.062	—	0.070	—	0.078	—	0.078	—	0.078	—	0.078	—	0.085	—	0.093	—	0.093	—	0.093	—	0.104	—	0.109	—	0.109
10	L	CONC. END TAIL PIPES: B, F, H, J and K to be the same as for parallel spigots. Cone taper 9° (included angle 18°) Diameter of large end of cone.....	0.374	—	0.517	—	0.669	—	0.743	—	0.879	—	1.017	—	1.100	—	1.450	—	1.676	—	1.910	—	2.135	—	2.369	—	2.736	—
11	N	Axial length of cone.....	—	0.187	—	0.250	—	0.312	—	0.312	—	0.312	—	0.312	—	0.312	—	0.375	—	0.375	—	0.437	—	0.500	—	0.500	—	0.500
12	O	Gap between face of collar and face of internal cone.....	0.093	—	0.093	—	0.125	—	0.125	—	0.125	—	0.125	—	0.125	—	0.156	—	0.156	—	0.187	—	0.187	—	0.187	—	0.187	—
13	P	COUPLING NUTS: Diameter of opening in flange.....	0.320	—	0.452	—	0.591	—	0.662	—	0.795	—	0.940	—	1.029	—	1.362	—	1.582	—	1.806	—	2.025	—	2.253	—	2.614	—
14	Q	Thickness of flange.....	—	0.080	—	0.100	—	0.100	—	0.120	—	0.125	—	0.125	—	0.135	—	0.156	—	0.187	—	0.187	—	0.187	—	0.200	—	0.220
15	R	Axial length of nut (minimum engagement four full threads).....	—	0.546	—	0.593	—	0.625	—	0.656	—	0.687	—	0.718	—	0.781	—	0.875	—	1.000	—	1.062	—	1.125	—	1.125	—	1.250
16	S	Size over flats of hexagon.....	—	0.705	—	0.815	—	1.002	—	1.092	—	1.234	—	1.390	—	1.509	—	1.845	—	2.078	—	2.312	—	2.555	—	2.812	—	3.218
17	T	END OF TAP OR FITTING WITH EXTERNAL THREAD: Length of external thread B.S. Pipe (parallel)....	—	0.328	—	0.343	—	0.406	—	0.421	—	0.453	—	0.468	—	0.500	—	0.609	—	0.656	—	0.703	—	0.750	—	0.750	—	0.812
18	U	Diameter of parallel boring to take spigot.....	—	0.310	—	0.442	—	0.581	—	0.652	—	0.795	—	0.927	—	1.016	—	1.345	—	1.565	—	1.787	—	2.006	—	2.234	—	2.595
19	V	Axial length of parallel boring to take spigot..	—	0.218	—	0.281	—	0.281	—	0.281	—	0.281	—	0.281	—	0.281	—	0.343	—	0.406	—	0.406	—	0.406	—	0.406	—	0.406
20	W	Diameter of mouth of conical boring to take spigot	—	0.345	—	0.487	—	0.629	—	0.703	—	0.839	—	0.977	—	1.061	—	1.401	—	1.627	—	1.850	—	2.075	—	2.309	—	2.676
—	—	Eccentricity allowed on hot pressed tail pipes..	0.010	—	0.010	—	0.010	—	0.010	—	0.010	—	0.010	—	0.010	—	0.012	—	0.012	—	0.012	—	0.012	—	0.012	—	0.012	—

TABEL 15.—STANDAARDWATERKRANE.
GEBUIGDE INLAATPYPE VIR BOLKRANE.
(Alle afmetings in duime en desimale breuke van duime.)

1	2	3	4	5	6	7	8	9
Reël-no.	Verw.-letter op diag.	Afmeting.	Gebuigde inlaatpyp vir bolkrane waarvan groottes hieronder verstrek word.					
			$\frac{1}{2}$		$\frac{3}{4}$		1	
			Maks.	Min.	Maks.	Min.	Maks.	Min.
1	A	Kaliber.....	—	$\frac{1}{2}$	—	$\frac{3}{4}$	—	1
2	B	Puntstuk met skroefdraad (parallel).....	Almal B.S.-pypskroefdraad (parallel) (B.S.-spesifikasie 84) (vrye speling).					
3	C	Lengte van skroefdraad.....	—	0-8125	—	0-875	—	1-125
4	D	Flensvlak tot middelpunt van inlaat.....	—	1-25	—	1-312	—	1-55
5	E	Lengte van gewone puntstuk.....	—	2-312	—	2-312	—	2-70
6	F	Wanddikte—						
		Warmgepers.....	—	0-0625	—	0-07	—	0-0781
7	F1	Gietstuk.....	—	0-0781	—	0-08	—	0-0937
8	G	Middellyn van flens.....	—	1-375	—	1-50	—	1-875
9	H	Flensdikte.....	—	0-125	—	0-125	—	0-156

TABLE 15.—STANDARD WATER TAPS.

BENT TAIL PIPES FOR GLOBE TAPS.
(All sizes in inches, and decimal parts of an inch.)

1	2	3	4	5	6	7	8	9
Line No.	Reference Letter on Diagram.	Dimension.	Bent Tail Pipe for use on size of Globe Tap in line below.					
			$\frac{1}{2}$		$\frac{3}{4}$		1	
			Max.	Min.	Max.	Min.	Max.	Min.
1	A	Bore.....	—	$\frac{1}{2}$	—	$\frac{3}{4}$	—	1
2	B	Parallel screwed end.....	All B.S. Pipe (Parallel) threads (B.S. Specification No. 84) (free fit)					
3	C	Length of thread.....	—	0-8125	—	0-875	—	1-125
4	D	Face of flange to inlet centre.....	—	1-25	—	1-312	—	1-55
5	E	Length of plain tail.....	—	2-312	—	2-312	—	2-70
6	F	Thickness of wall—						
		Hotpressed.....	—	0-0625	—	0-07	—	0-0781
7	F1	Casting.....	—	0-0781	—	0-08	—	0-0937
8	G	Diameter of flange.....	—	1-375	—	1-50	—	1-875
9	H	Thickness of flange.....	—	0-125	—	0-125	—	0-156

TABEL 16.—VLOTTERKRANE.

Kaliber van skag.....	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	1 $\frac{1}{2}$ "	2"	2 $\frac{1}{2}$ "
Middellyn van watergang deur sitting.....	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	1 $\frac{1}{2}$ "	2"
Wydte en dikte van hefboomarm van getrokke koper.....	$\frac{3}{8}$ " x $\frac{1}{4}$ "	$\frac{1}{2}$ " x $\frac{3}{8}$ "	$\frac{3}{4}$ " x $\frac{3}{8}$ "	$\frac{1}{2}$ " x $\frac{1}{2}$ "	$\frac{3}{4}$ " x $\frac{3}{4}$ "	$\frac{1}{2}$ " x 1"
Minimum-lengte van hefboom (van steunpunt af tot by middel van vlotter).....	13 $\frac{3}{4}$ "	17"	22"	26"	30"	35"
Lengte van hefboom (van steunpunt af tot by middel van suier).....	13 $\frac{3}{4}$ "	17"	22"	26"	30"	35"
Middellyn van suier.....	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	$\frac{1}{2}$ "	$\frac{3}{8}$ "
Middellyn van pen met skroefdraad en 'n geriefde kop of vleuelmoer.....	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	1 $\frac{1}{2}$ "	2"
Middellyn van bolvlotter.....	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	$\frac{1}{2}$ "	$\frac{3}{8}$ "
Lengte van puntstuk.....	2 $\frac{1}{4}$ "	2 $\frac{1}{2}$ "	3"	3 $\frac{1}{2}$ "	4"	4 $\frac{1}{2}$ "
Gewig van puntstuk.....	1 $\frac{1}{2}$ ons	3 ons	4 ons	6 ons	7 ons	11 ons
Gewig van koppelhoer.....	1 $\frac{1}{2}$ ons	2 $\frac{1}{2}$ ons	4 ons	5 $\frac{1}{2}$ ons	7 $\frac{1}{2}$ ons	13 $\frac{1}{2}$ ons
Gewig van kontra-moer.....	1 ons	1 $\frac{1}{2}$ ons	2 ons	2 $\frac{1}{2}$ ons	3 ons	4 $\frac{1}{2}$ ons
Slegs gewig van klephuis en suier.....	9 $\frac{1}{2}$ ons	14 ons	1 lb. 11 ons	2 lb. 6 ons	3 lb. 5 ons	6 lb.

KOPER-BOLVLOTTERS.

Middellyn, duim.....	4 $\frac{1}{2}$ "	5"	6"	6 $\frac{1}{2}$ "	8"	10"	12"
Gewig van vlotter.....	6 $\frac{1}{2}$ ons	7 $\frac{1}{2}$ ons	11 ons	13 ons	1 lb. 8 ons	2 lb. 5 ons	3 lb. 6 ons
Gewig van naaf.....	$\frac{3}{4}$ ons	$\frac{3}{4}$ ons	1 ons	1 $\frac{1}{2}$ ons	1 $\frac{1}{2}$ ons	2 ons	2 $\frac{1}{2}$ ons
Gewig, volledig met naaf.....	7 ons	8 $\frac{1}{2}$ ons	12 ons	14 $\frac{1}{2}$ ons	1 lb. 9 $\frac{1}{2}$ ons	2 lb. 7 ons	3 lb. 8 $\frac{1}{2}$ ons

Koper met blink afwerking, wat gebruik word om vlotters mee te maak, moet 'n minimum-dikte van Imperiale Standaarddraadmaat No. 26 hê as die middellyn van die vlotter 6 $\frac{1}{2}$ duim is, en 'n minimum-dikte van Imperiale Standaarddraadmaat No. 24 indien die middellyn groter is.

Indien die skagte met skroefdraad, langer gemaak word om by groter krane of in hout-, porselein- of erde-bakke te pas, moet die gewigte na verhouding, as volg, verhoog word:—

Gewig: $\frac{1}{2}$ duim-skag, met skroefdraad = 1 $\frac{1}{2}$ ons per duim; $\frac{3}{4}$ duim = 1 $\frac{1}{2}$ ons; 1 duim = 2 $\frac{1}{2}$ ons; 1 $\frac{1}{2}$ duim = 4 ons; 1 $\frac{1}{2}$ duim = 4 $\frac{1}{2}$ ons; en 2 duim = 5 ons per lengte-duim.

TABLE 16.—BALL TAPS.

Bore of Shank.....	$\frac{1}{8}$ "	$\frac{3}{8}$ "	1"	1 $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	2"
Diameter of Waterway through Seating.....	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"
Breadth and thickness of Lever of Drawn Copper.....	$\frac{3}{8}$ " x $\frac{1}{4}$ "	$\frac{1}{2}$ " x $\frac{3}{8}$ "	$\frac{3}{8}$ " x $\frac{3}{8}$ "	$\frac{3}{8}$ " x $\frac{1}{2}$ "	$\frac{3}{8}$ " x $\frac{3}{4}$ "	$\frac{3}{8}$ " x 1"
Minimum length of Leverage (from fulcrum to centre of float).....	13 $\frac{1}{2}$ "	17"	22"	26"	30"	35"
Length of Leverage from fulcrum to centre of piston.....	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{7}{8}$ "	1 $\frac{1}{8}$ "	1 $\frac{1}{8}$ "	1 $\frac{1}{2}$ "
Diameter of Piston.....	$\frac{11}{16}$ "	$\frac{7}{8}$ "	1 $\frac{1}{8}$ "	1 $\frac{3}{8}$ "	1 $\frac{3}{8}$ "	2"
Diameter of Pin to be screwed and have milled head or fly nut.....	$\frac{1}{16}$ "	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Diameter of Spherical Ball.....	4 $\frac{1}{2}$ "	6"	6 $\frac{1}{2}$ "	8"	10"	12"
Length of Tail Piece.....	2 $\frac{1}{2}$ "	2 $\frac{1}{2}$ "	3"	3"	3"	3 $\frac{1}{2}$ "
Weight of Tail Piece.....	1 $\frac{1}{2}$ oz.	3 oz.	4 oz.	6 oz.	7 oz.	11 oz.
Weight of Cap.....	1 $\frac{1}{2}$ oz.	2 $\frac{1}{2}$ oz.	4 oz.	5 $\frac{1}{2}$ oz.	7 $\frac{1}{2}$ oz.	13 $\frac{1}{2}$ oz.
Weight of Back-nut.....	1 oz.	1 $\frac{1}{2}$ oz.	2 oz.	2 $\frac{1}{2}$ oz.	3 oz.	4 $\frac{1}{2}$ oz.
Weight of Valve Body and Piston only.....	9 $\frac{1}{2}$ oz.	14 oz.	1 lb. 11 oz.	2 lb. 6 oz.	3 lb. 5 oz.	6 lb.

SPHERICAL COPPER FLOATS.

Diameter in inches.....	4 $\frac{1}{2}$ "	5"	6"	6 $\frac{1}{2}$ "	8"	10"	12"
Weight of Ball.....	6 $\frac{1}{2}$ oz.	7 $\frac{1}{2}$ oz.	11 oz.	13 oz.	1 lb. 8 oz.	2 lb. 5 oz.	3 lb. 6 oz.
Weight of Boss.....	$\frac{3}{4}$ oz.	$\frac{1}{2}$ oz.	1 oz.	1 $\frac{1}{2}$ oz.	1 $\frac{1}{2}$ oz.	2 oz.	2 $\frac{1}{2}$ oz.
Weight complete with Boss.....	7 oz.	8 $\frac{1}{2}$ oz.	12 oz.	14 $\frac{1}{2}$ oz.	1 lb. 9 $\frac{1}{2}$ oz.	2 lb. 7 oz.	3 lb. 8 $\frac{1}{2}$ oz.

The minimum thickness of copper used in making the ball to be 26 Imperial Standard Wire Gauge, when finished bright for balls up to 6 $\frac{1}{2}$ inches diameter, and 24 Imperial Standard Wire Gauge beyond this diameter.

If the lengths of threaded shank are increased to suit larger sizes of taps, or to fix in wood, porcelain, earthenware or stoneware cisterns, the weights shall be increased proportionately as follows:—

Weights: $\frac{1}{4}$ inch threaded shank to be 1 $\frac{1}{2}$ ounces per inch; $\frac{1}{2}$ inch = 1 $\frac{1}{2}$ ounces; 1 inch = 2 $\frac{1}{2}$ ounces; 1 $\frac{1}{2}$ inch = 4 ounces; 1 $\frac{1}{2}$ inch = 4 $\frac{1}{2}$ ounces; and 2 inch = 5 ounces per inch in length.

TABEL 17.—DESIMAAL-EKWIVALENTE.
(Juiste desimaal-ekwivalente vir breuke van-duime.)

Desimale.	Breuke.				Desimale.	Breuke.			
0.015625	$\frac{1}{64}$	—	—	—	0.515625	$\frac{33}{64}$	—	—	—
0.03125	$\frac{1}{32}$	—	—	—	0.53125	$\frac{17}{32}$	—	—	—
0.046875	$\frac{3}{64}$	—	—	—	0.546875	$\frac{35}{64}$	—	—	—
0.0625	—	—	$\frac{1}{16}$	—	0.5625	—	$\frac{9}{16}$	—	—
0.078125	$\frac{5}{64}$	—	—	—	0.578125	$\frac{37}{64}$	—	—	—
0.09375	$\frac{3}{32}$	—	—	—	0.59375	$\frac{19}{32}$	—	—	—
0.109375	$\frac{7}{64}$	—	—	—	0.609375	$\frac{39}{64}$	—	—	—
0.125	—	—	—	$\frac{1}{8}$	0.625	—	—	—	$\frac{5}{8}$
0.140625	$\frac{9}{64}$	—	—	—	0.640625	$\frac{41}{64}$	—	—	—
0.15625	—	$\frac{5}{32}$	—	—	0.65625	$\frac{21}{32}$	—	—	—
0.171875	$\frac{11}{64}$	—	—	—	0.671875	$\frac{43}{64}$	—	—	—
0.1875	—	—	$\frac{3}{16}$	—	0.6875	—	$\frac{11}{16}$	—	—
0.203125	$\frac{13}{64}$	—	—	—	0.703125	$\frac{45}{64}$	—	—	—
0.21875	—	$\frac{7}{32}$	—	—	0.71875	$\frac{23}{32}$	—	—	—
0.234375	$\frac{15}{64}$	—	—	—	0.734375	$\frac{47}{64}$	—	—	$\frac{3}{4}$
0.25	—	—	—	$\frac{1}{4}$	0.75	—	—	—	—
0.265625	$\frac{17}{64}$	—	—	—	0.765625	$\frac{49}{64}$	—	—	—
0.28125	—	$\frac{9}{32}$	—	—	0.78125	$\frac{25}{32}$	—	—	—
0.296875	$\frac{19}{64}$	—	—	—	0.796875	$\frac{51}{64}$	—	—	—
0.3125	—	—	$\frac{5}{16}$	—	0.8125	—	$\frac{13}{16}$	—	—
0.328125	$\frac{21}{64}$	—	—	—	0.828125	$\frac{53}{64}$	—	—	—
0.34375	—	$\frac{11}{32}$	—	—	0.84375	$\frac{27}{32}$	—	—	—
0.359375	$\frac{23}{64}$	—	—	—	0.859375	$\frac{55}{64}$	—	—	—
0.375	—	—	—	$\frac{3}{8}$	0.875	—	—	—	$\frac{7}{8}$
0.390625	$\frac{25}{64}$	—	—	—	0.890625	$\frac{57}{64}$	—	—	—
0.40625	—	$\frac{13}{32}$	—	—	0.90625	$\frac{29}{32}$	—	—	—
0.421875	$\frac{27}{64}$	—	—	—	0.921875	$\frac{59}{64}$	—	—	—
0.4375	—	—	$\frac{7}{16}$	—	0.9375	—	$\frac{15}{16}$	—	—
0.453125	$\frac{29}{64}$	—	—	—	0.953125	$\frac{61}{64}$	—	—	—
0.46875	—	$\frac{15}{32}$	—	—	0.96875	$\frac{31}{32}$	—	—	—
0.484375	$\frac{31}{64}$	—	—	—	0.984375	$\frac{63}{64}$	—	—	—
0.5	—	—	—	$\frac{1}{2}$	1.00	—	—	—	1

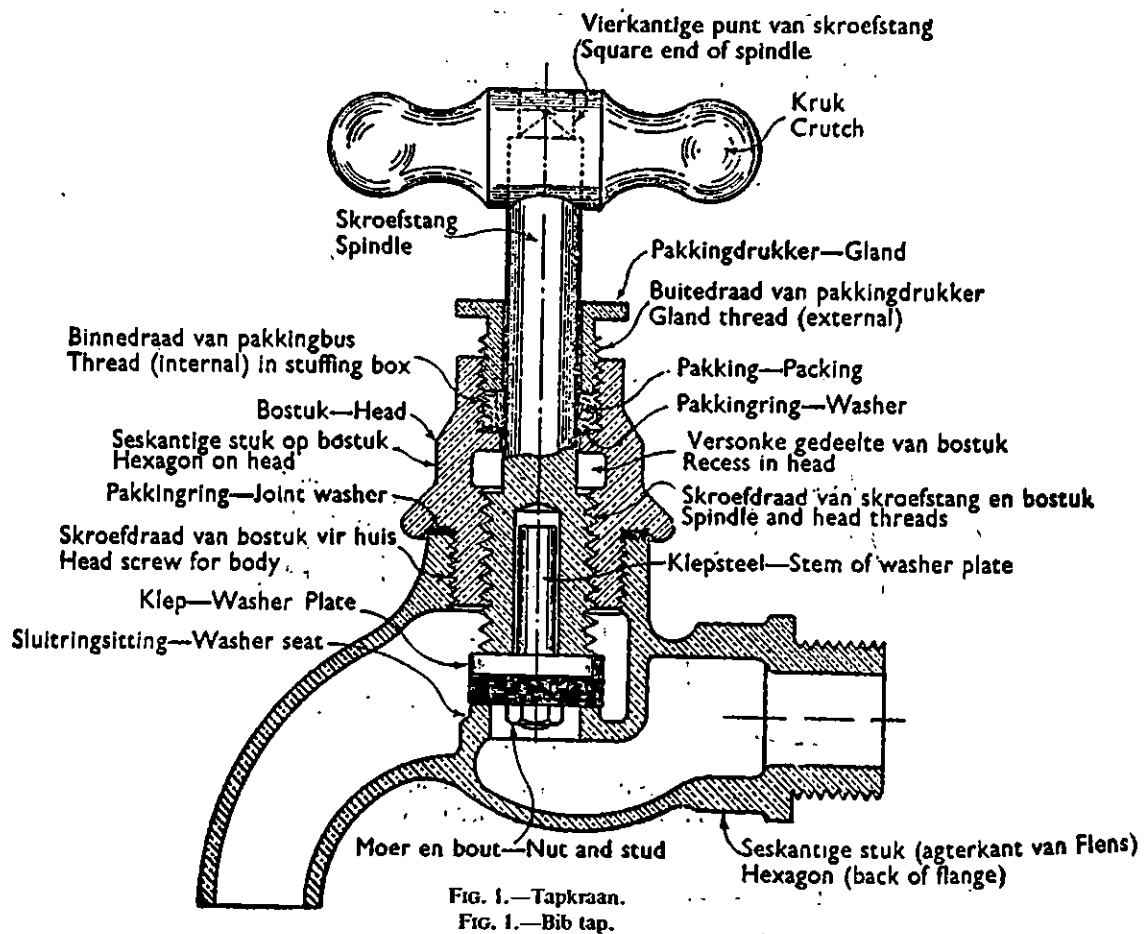
TABLE 17.—DECIMAL EQUIVALENTS.
(Exact decimal equivalents of fractions of an inch.)

Decimals.	Fractions.				Decimals.	Fractions.			
0.015625	$\frac{1}{64}$	—	—	—	0.515625	$\frac{25}{64}$	—	—	—
0.03125	—	$\frac{1}{32}$	—	—	0.53125	—	$\frac{17}{32}$	—	—
0.046875	$\frac{3}{64}$	—	—	—	0.546875	$\frac{25}{64}$	—	—	—
0.0625	—	—	$\frac{1}{16}$	—	0.5625	—	—	$\frac{9}{16}$	—
0.078125	$\frac{5}{64}$	—	—	—	0.578125	$\frac{27}{64}$	—	—	—
0.09375	—	$\frac{3}{32}$	—	—	0.59375	—	$\frac{19}{32}$	—	—
0.109375	$\frac{7}{64}$	—	—	—	0.609375	$\frac{39}{64}$	—	—	—
0.125	—	—	—	$\frac{1}{8}$	0.625	—	—	—	$\frac{5}{8}$
0.140625	$\frac{9}{64}$	—	—	—	0.640625	$\frac{41}{64}$	—	—	—
0.15625	—	$\frac{5}{32}$	—	—	0.65625	—	$\frac{21}{32}$	—	—
0.171875	$\frac{11}{64}$	—	—	—	0.671875	$\frac{43}{64}$	—	—	—
0.1875	—	—	$\frac{3}{16}$	—	0.6875	—	—	$\frac{11}{16}$	—
0.203125	$\frac{13}{64}$	—	—	—	0.703125	$\frac{45}{64}$	—	—	—
0.21875	—	$\frac{7}{32}$	—	—	0.71875	—	$\frac{23}{32}$	—	—
0.234375	$\frac{15}{64}$	—	—	—	0.734375	$\frac{47}{64}$	—	—	—
0.25	—	—	—	$\frac{1}{4}$	0.75	—	—	—	$\frac{3}{4}$
0.265625	$\frac{17}{64}$	—	—	—	0.765625	$\frac{49}{64}$	—	—	—
0.28125	—	$\frac{9}{32}$	—	—	0.78125	—	$\frac{25}{32}$	—	—
0.296875	$\frac{19}{64}$	—	—	—	0.796875	$\frac{51}{64}$	—	—	—
0.3125	—	—	$\frac{5}{16}$	—	0.8125	—	—	$\frac{13}{16}$	—
0.328125	$\frac{21}{64}$	—	—	—	0.828125	$\frac{53}{64}$	—	—	—
0.34375	—	$\frac{11}{32}$	—	—	0.84375	—	$\frac{27}{32}$	—	—
0.359375	$\frac{23}{64}$	—	—	—	0.859375	$\frac{55}{64}$	—	—	—
0.375	—	—	—	$\frac{3}{8}$	0.875	—	—	—	$\frac{7}{8}$
0.390625	$\frac{25}{64}$	—	—	—	0.890625	$\frac{57}{64}$	—	—	—
0.40625	—	$\frac{13}{32}$	—	—	0.90625	—	$\frac{29}{32}$	—	—
0.421875	$\frac{27}{64}$	—	—	—	0.921875	$\frac{59}{64}$	—	—	—
0.4375	—	—	$\frac{7}{16}$	—	0.9375	—	—	$\frac{15}{16}$	—
0.453125	$\frac{29}{64}$	—	—	—	0.953125	$\frac{61}{64}$	—	—	—
0.46875	—	$\frac{15}{32}$	—	—	0.96875	—	$\frac{31}{32}$	—	—
0.484375	$\frac{31}{64}$	—	—	—	0.984375	$\frac{63}{64}$	—	—	—
0.5	—	—	—	$\frac{1}{2}$	1.00	—	—	—	1

BYLAE 2.—SCHEDULE 2.

Tipiese tekeninge.—Typical Drawings.

Standaardkrane.—Standard Type Taps.



Tipiese deursnee, $\frac{1}{4}$ dm.-grootte.
Typical section of $\frac{1}{4}$ in. size.

LET WEL.—Hierdie tekening dui die name en juiste ligging van die verskillende onderdele aan.
NOTE.—This illustration shows the names and relative positions of the various parts.

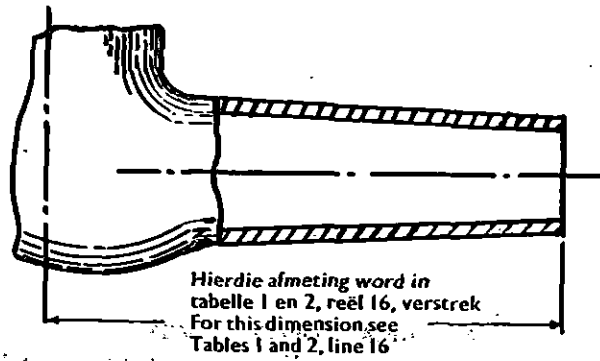


FIG. 2.—Gewone puntstuk vir loodpyp (tap- en afsluitkrane).
FIG. 2.—Plain tail for lead pipe (bib or stoptaps).

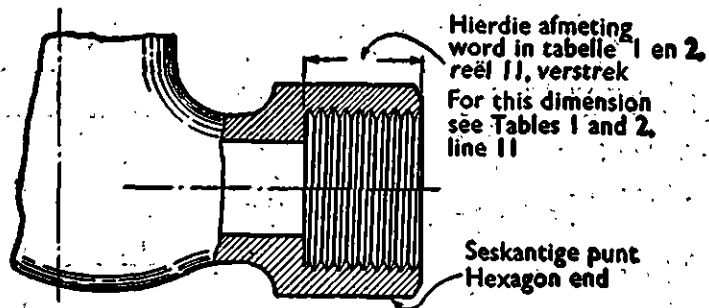


FIG. 3.—Binne-B.S.-pydraad (parallel).
FIG. 3.—B.S. Pipe (Parallel) internal thread.

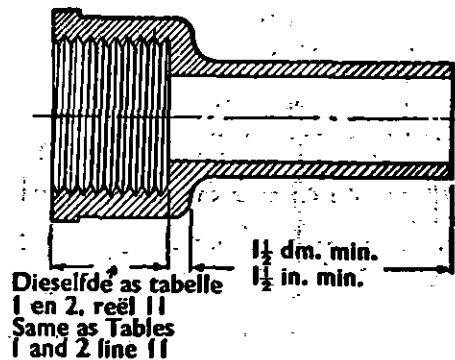


FIG. 4.—Naaf van inlaatpyp met binne-B.S.-pydraad (parallel).
FIG. 4.—Boss for lead pipe with internal B.S. Pipe (Parallel) thread.

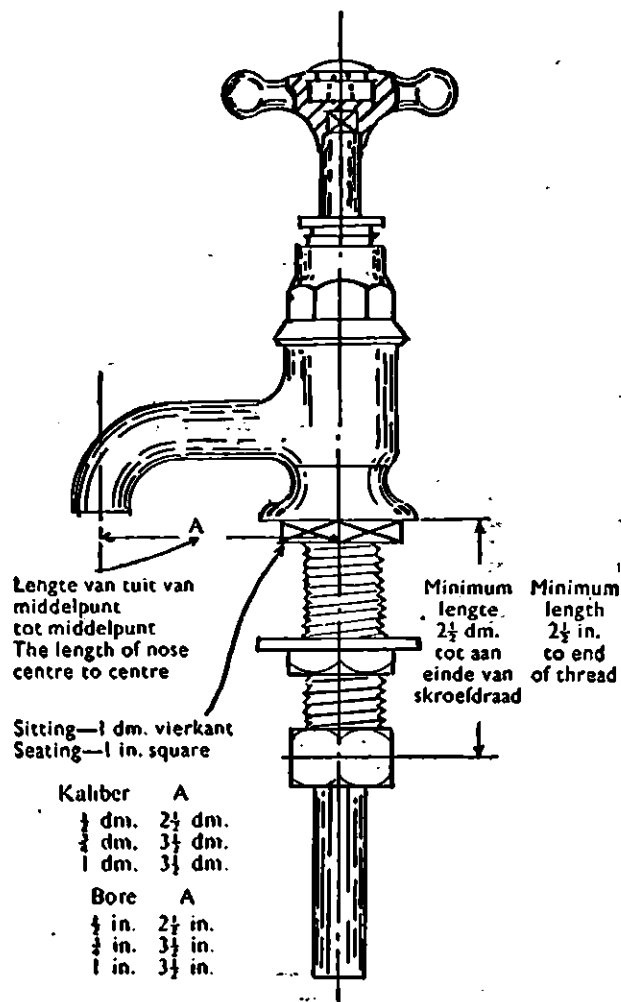


FIG. 5.—Staankrane, $\frac{1}{4}$ dm. tot 1 dm. vir gebruik in wasbakke en baddens.
 FIG. 5.—Pillar taps, sizes $\frac{1}{4}$ in. to 1 in. for use in lavatory basins and baths.

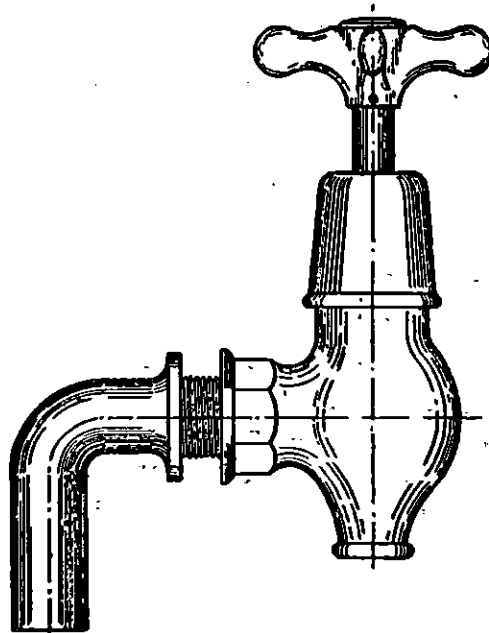


FIG. 6.—Bolkrane vir baddens.
 FIG. 6.—Globe taps for baths.

LET WEL.—Die afmetings van onderdele moet ooreenkomstig tabelle 1 tot 12 en 15 wees. Die tekening toon 'n tipiese sierkop aan.

NOTE.—Dimensions of component parts to be in accordance with Tables 1 to 12 and 15. This illustration shows a typical easy-clean cover.

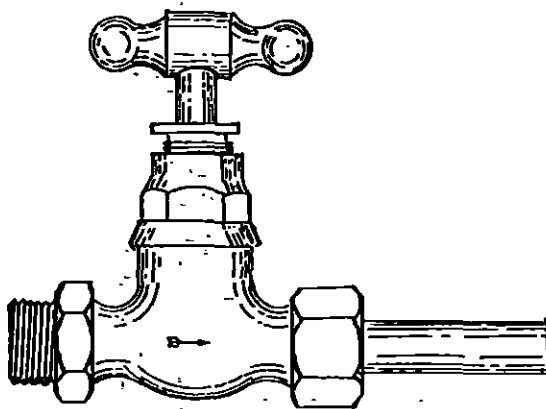


FIG. 7.—Afsluitkraan.
FIG. 7.—Stoptap.

Buite-B.S.-pydraad (parallel) op inlaatstuk, koppelmoer aan uitlaatstuk vir uitlaattyp.

B.S. Pipe (Parallel) thread (external) on inlet, Union for lead on outlet.

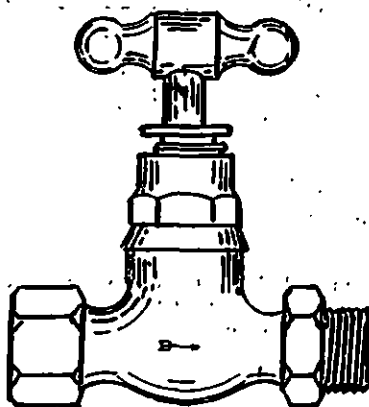


FIG. 8.—Afsluitkraan.
FIG. 8.—Stoptap.

Binne-B.S.-pydraad (parallel) aan inlaatstuk en buitedraad aan uitlaatstuk.

B.S. Pipe (Parallel) thread (internal) on inlet and external thread on outlet.

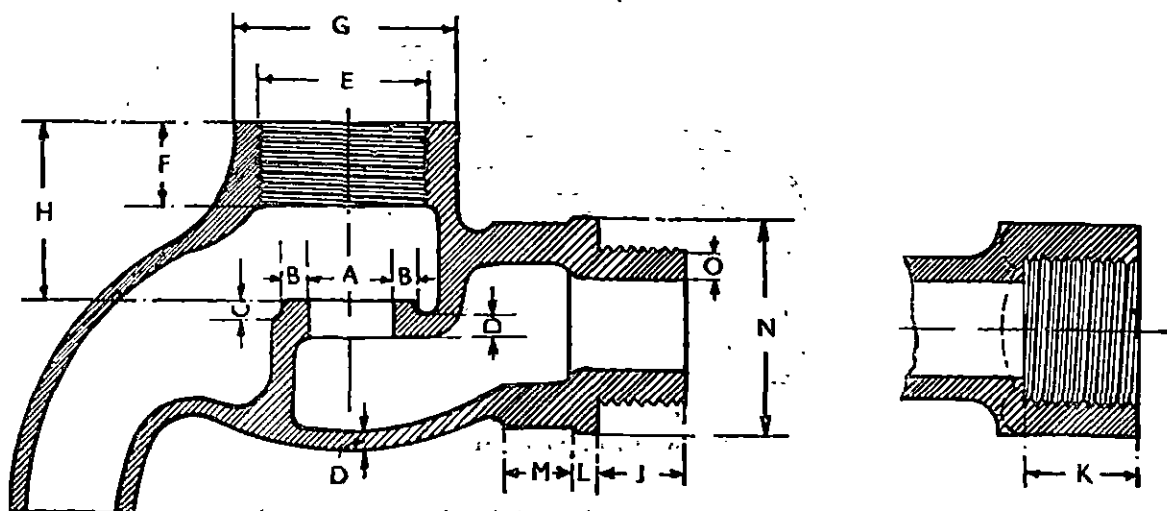


FIG. 9.—Diagram van kraanhuis.
FIG. 9.—Tap body diagram.

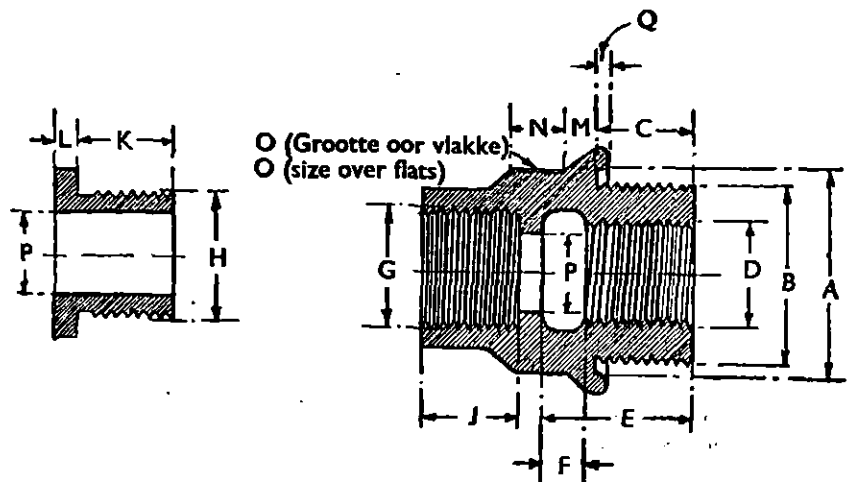


FIG. 10.—Diagram van bostuk en pakkingdrukker.
FIG. 10.—Head and gland diagram.

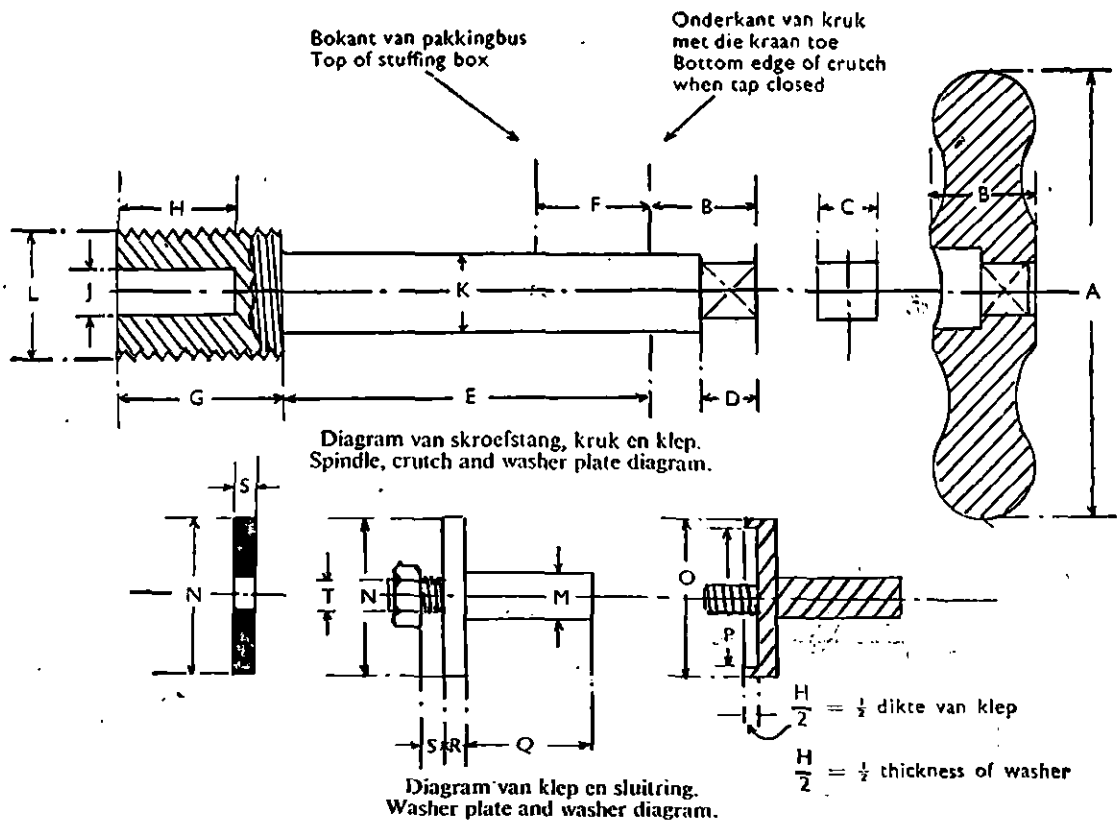


FIG. 11.

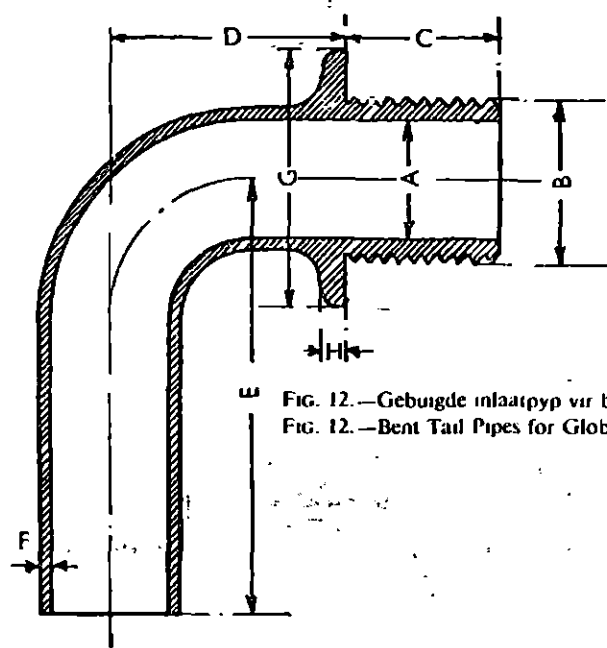


FIG. 12.—Gebuigde inlaatpyp vir bolkrane.
FIG. 12.—Bent Tail Pipes for Globe Taps.

VLOTTERKRAAN—BALL TAP

'N TIPIESE DEURSNEE VAN DIE HORIZONTAL SUIERTYPE.
TYPICAL SECTION OF HORIZONTAL PISTON TYPE.

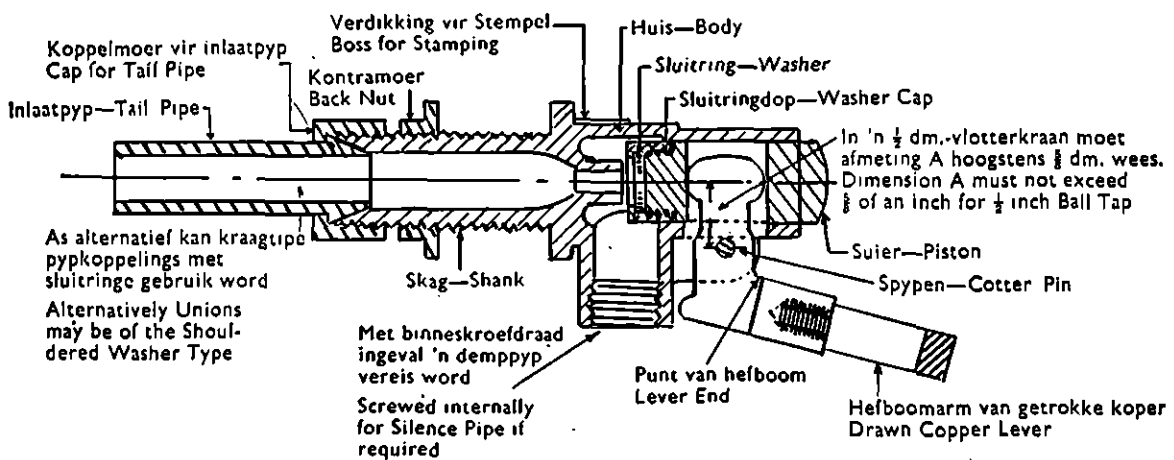


FIG. 13.

WARMGEPERSTE ONDERDELE.
HOT PRESSED FITTINGS.

VLOTTERKRAAN—BALL TAP

'N TIPIESE DEURSNEE VAN DIE HORIZONTAL SUIERTYPE.
TYPICAL SECTION OF HORIZONTAL PISTON TYPE.

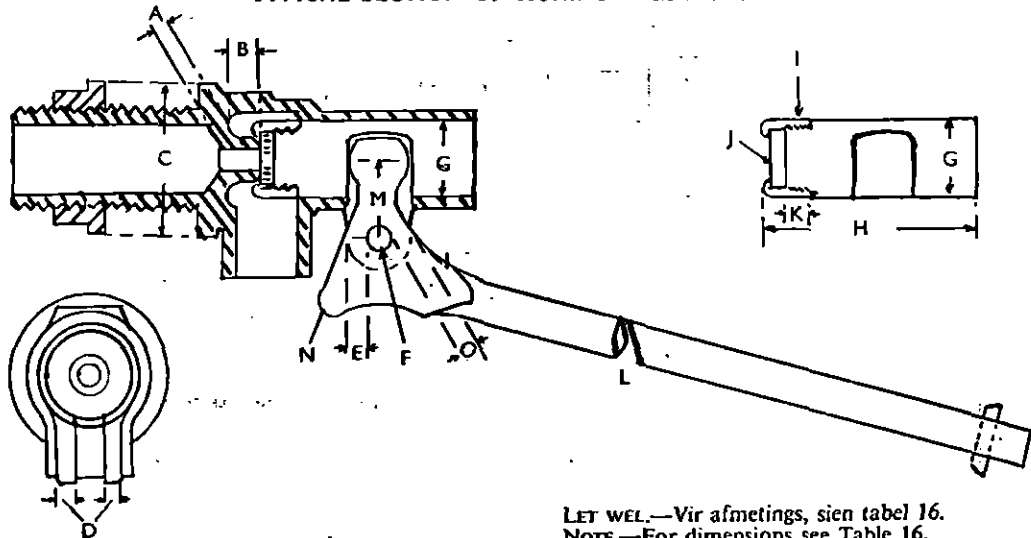


FIG. 14.

LET WEL.—Vir afmetings, sien tabel 16.
NOTE.—For dimensions see Table 16.

Kopervlotters vir Vlotterkrane—Copper Floats for Ball Taps

TIPIESE DEURSNEË.—TYPICAL SECTIONS.

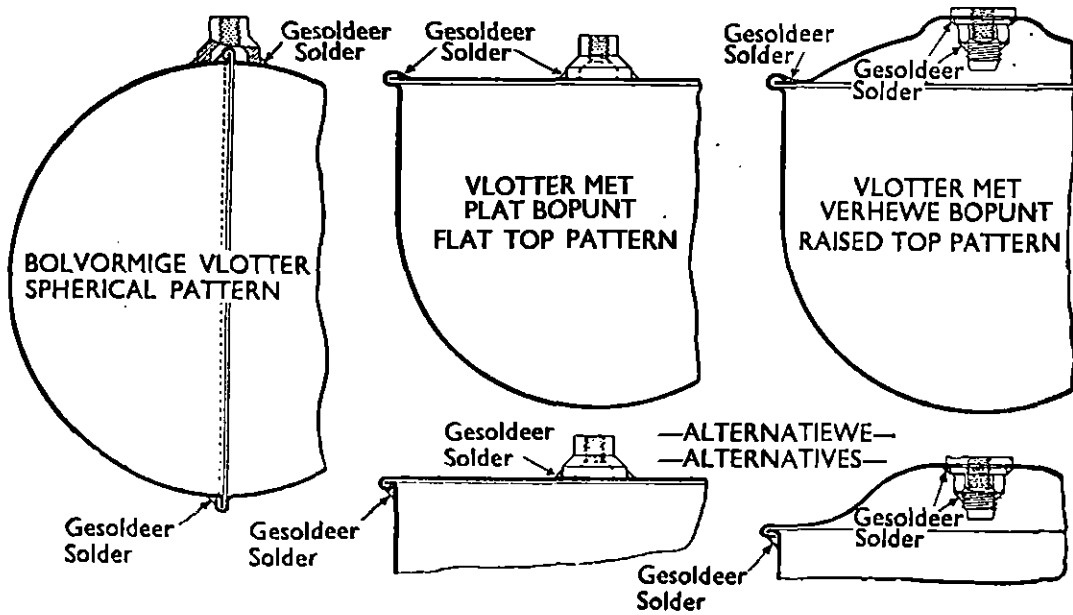
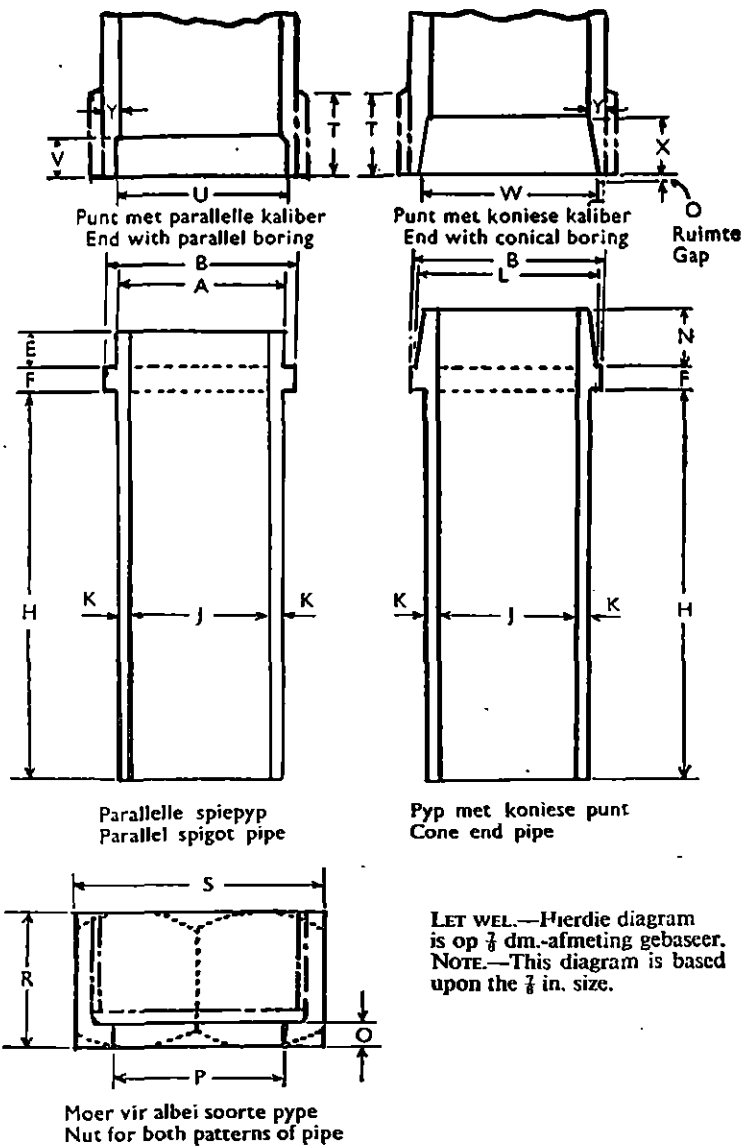


FIG. 15

AANWYSINGSDIAGRAM TEN OPSIGTE VAN PUNTE, PYPE EN MOERE.

REFERENCE DIAGRAM FOR ENDS, PIPES AND NUTS.



LET WEL.—Hierdie diagram is op $\frac{7}{8}$ dm.-afmeting gebaseer.
NOTE.—This diagram is based upon the $\frac{7}{8}$ in. size.