

... in heat

PRIMUS *for safe cooking everywhere*

Ever since the Swede S. A. Andrée set out in 1897 on his intrepid voyage by balloon to the North Pole, PRIMUS wickless oil stoves have formed an obvious part of the equipment for every important research expedition.

In the difficult conditions of such expeditions — in a dry hot desert wind or an icy polar blast — PRIMUS wickless oil stoves have been thoroughly tested and have emerged from these tests with flying colours.

The name of PRIMUS has become synonymous throughout the world with quality — a quality which is maintained by constant inspection tests and development at the modern industrial plants of the PRIMUS Factories.

The Regd Trade Mark
PRIMUS
the Hall Mark of Quality

Glimpses of Primus' Production



Whenever a special finish is required, the parts are electrolytically processed. This important surface treatment takes place in the "merry-go-round" on the right.

Left: Tanks for Primus stoves are shaped in latest-design pressing and stamping machines.

Below: Materials undergo continuous tests in the laboratory. A special cabinet is used to test reactions to tropical climates.

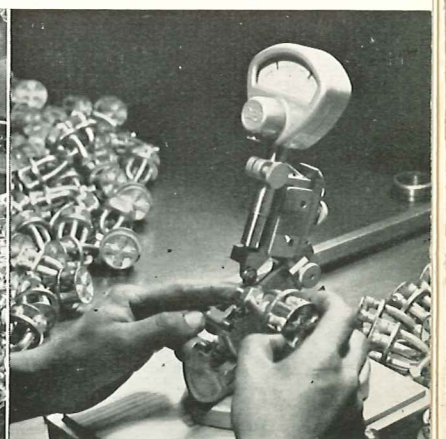
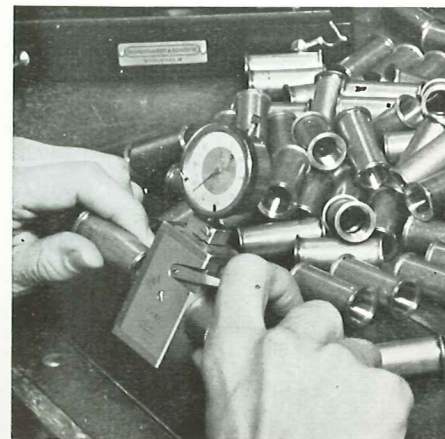
Inspection Tests and Quality go hand in hand

From left to right below:

Dial indicator for internal thread measurement. Picture shows burner connection tubes being checked.

A plug gauge is used to check burners for exact fit.

Burner thread diameter is checked with a micrometer gauge with readings down to thousandths of a millimetre.



Household
Stoves
and
Ranges

Camper's
Stoves

Blow
Lamps
for
Kerosene

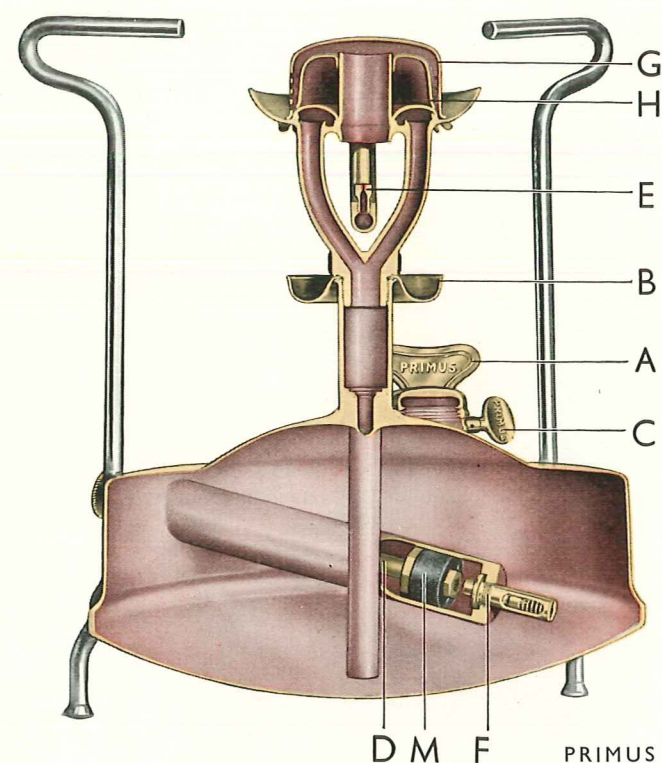
Blow
Lamps
for
Gasoline

Incandescent
Lanterns

PRIMUS

Regd Trade Mark · Sweden

how it works



- A Tank lid
- B Spirit cup
- C Air valve
- D Pump rod
- E Nipple
- F Pump valve
- G Outer cap
- H Inner cap
- M Piston

PRIMUS No. 5 IN SECTION

The function of Primus stove No. 5 is described here, by referring to the diagram above. **All pressure stoves work on entirely the same principle.**

When filling, use only best kerosene (paraffin) and preferably a funnel with strainer. Do not forget to leave sufficient space for the air pressure (at least 1/4 of total capacity of the tank). Screw on tank lid "A" tightly and open air valve "C". Fill spirit cup "B" with methylated spirit (alcohol) and light it. When the spirit has almost burnt out, close air valve "C" and pump four to six full strokes.

The kerosene (paraffin) becomes gasified during its circulation through the previously heated burner, issues through the nipple "E" and mixes with air. The air-mixed gas issues through the small holes of the outer cap "G", ignites and burns with an intensely hot, blue atmospheric flame. The flame is increased by means of pumping. To reduce the flame, open air valve "C" and close it immediately when the flame is sufficiently low. To extinguish, open air valve "C" and leave it open. Whenever the stove is not in use the air valve must always be left open.



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Household Stoves
and Ranges
Yachting Ranges

Household
Stoves
and
Ranges

Camper's
Stoves

Blow
Lamps
for
Kerosene

Blow
Lamps
for
Gasoline

Incandescent
Lanterns

kerosene
paraffin

PRIMUS

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household stoves

1
1 S:or

- roarer burner
- polished brass tank



PRIMUS No. 1

- quick and reliable
- economical
- durable

Primus No. 1 is the original wickless oil stove — the prototype of all others, and still the world's best; its quality and reliable performance have made the name Primus world-renowned.

The only difference between No. 1 and No. 1 S:or is that No. 1 has a sunken filling hole.

Each stove is supplied with one packet of cleaning needles.

Primus No.	1, 1 S:or
Total capacity of tank, pints	2 ¹ / ₈
Suitable filling (³ / ₄ of total capacity) will last, hours	4*
Will boil one quart of water in minutes	3—5*
Height, ins.	8 ¹ / ₂
Weight, lbs.**	2 ³ / ₈

* depending on pressure ** excl. cardboard box

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Camper's
Stoves

Blow
Lamps
for
Kerosene

Blow
Lamps
for
Gasoline

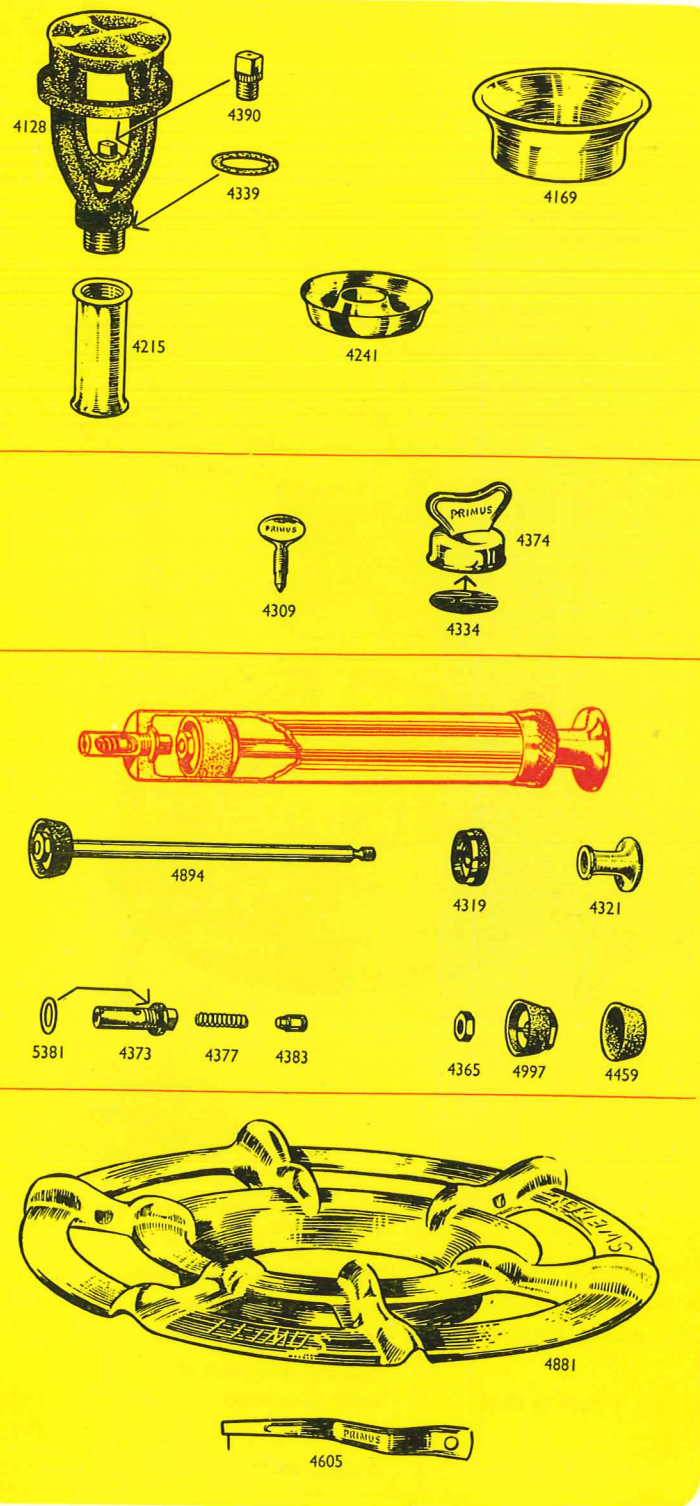
Incandescent
Lanterns

PRIMUS

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spare parts

1 1 S:or



Description	Part No.
Burner	4128
Nipple	4390
Washer	4339
Flame ring	4169
Spirit cup	4241
Burner connection tube	4215
Tank lid	4374
Washer	4334
Air valve screw	4309
Pump rod complete	4894
Piston complete	4997
Leather	4459
Nut	4365
Pump handle	4321
Pump cap	4319
Pump valve complete	4373
Washer	5381
Spring	4377
Cone with washer	4383
Top ring	4881
Cleaning needle	4605

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household stoves

kerosene
paraffin

2 3

- roarer burner
- polished brass tank



PRIMUS No. 2

*For rapid boiling
and heating
of large quantities
of liquids*

These stoves have bigger and more powerful burners than the standard models, and have a correspondingly larger tank. They are therefore specially suitable for large households, restaurants, canteens etc., where bulk quantities must be heated quickly.

Each stove is supplied with one packet of cleaning needles.

Primus No.	2	3
Total capacity of tank, pints	4 ³ / ₈	7
Suitable filling (³ / ₄ of total capacity) will last, hours	3 ¹ / ₂ —4*	3*
Will boil 1 gallon of water in minutes	7—9*	6—7*
Height, ins.	11 ¹ / ₄	13 ¹ / ₈
Weight, lbs.**	5 ³ / ₄	10

*depending on pressure **excl. cardboard box

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REGD. TRADE MARK

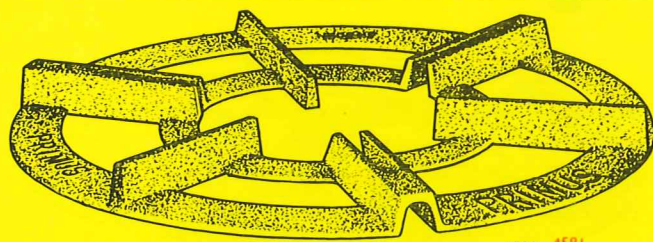
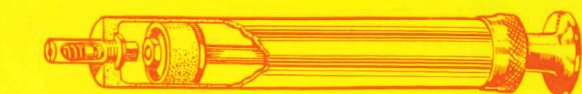
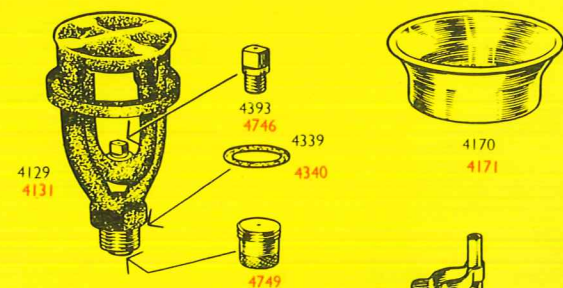
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PRIMUS

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spare parts

2
3*



Description	2	3
Part No.		
Burner	4129	4131
Nipple	4393	4746
Washer	4339	4340
Inlet nipple	—	4749
Flame ring	4170	4171
Spirit cup	4241	4247
Lighter	4274	4275
Tank lid	4374	4374
Washer	4334	4334
Air valve screw	4309	4309
Pump rod complete	4895	4896
Piston complete	4997	4997
Leather	4459	4459
Nut	4365	4365
Spring f. pump rod	—	4788
Pump handle	4322	4322
Pump cap	4319	4319
Pump valve complete	4373	4373
Washer	5381	5381
Spring	4377	4377
Cone with washer	4383	4383
Top ring	4580	4581
Cleaning needle	4607	4751

* Red figures of illustration

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PRIMUS

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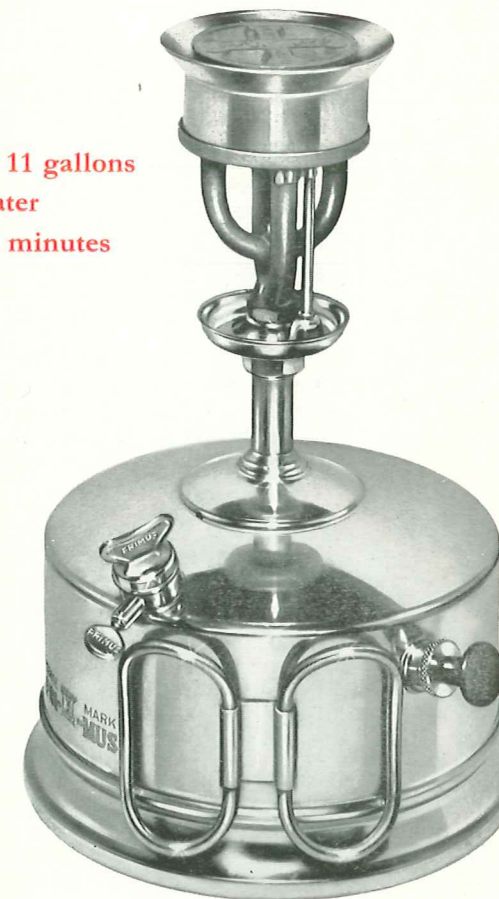
household stoves

kerosene
paraffin

85

- roarer burner
- polished brass tank

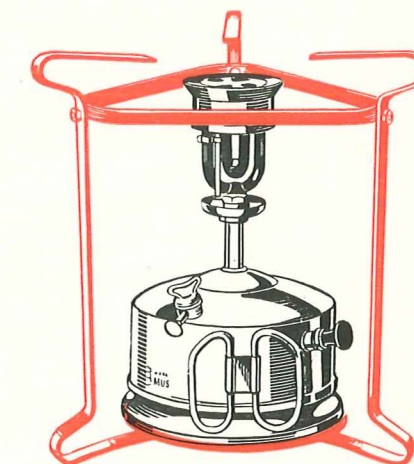
Boils 11 gallons
of water
in 30 minutes



PRIMUS No. 85

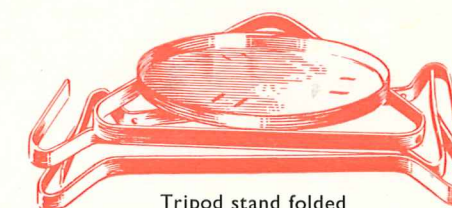
This stove is equipped with an exceptionally powerful burner giving a widely spread flame of intense heat. This makes it very suitable for heating cooking utensils etc. with large base area. Fitted with folding handle. The practical tripod stand No. 1137 — easy to erect and easy to pack — is available separately.

Each stove is supplied with one packet of cleaning needles.



Tripod stand assembled

PRIMUS No. 1137



Tripod stand folded

Primus No.	85
Total capacity of tank, pints	5 5/8
Suitable filling (3/4 of total capacity) will last, hours	1 1/2*
Will boil 11 gallons of water in minutes	30-35*
Height, ins.	13
Weight, lbs.**	5 1/2

*depending on pressure **excl. cardboard box

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Camper's
Stoves

Blow
Lamps
for
Kerosene

Blow
Lamps
for
Gasoline

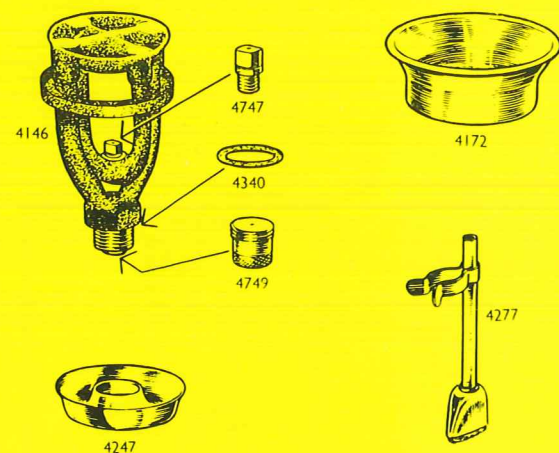
Incandescent
Lantern

PRIMUS

Regd Trade Mark • Sweden

spare parts

85



Description	Part No.
Burner	4146
Nipple	4747
Washer	4340
Inlet nipple	4749
Flame ring	4172
Spirit cup	4247
Lighter	4277
Tank lid	4374
Washer	4334
Air valve screw	4309
Pump rod complete	4896
Piston complete	4997
Leather	4459
Nut	4365
Spring for pump rod	4788
Pump handle	4322
Pump cap	4319
Pump valve complete	4373
Washer	5381
Spring	4377
Cone with washer	4383
Cleaning needle	5798

PRIMUS

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household stoves

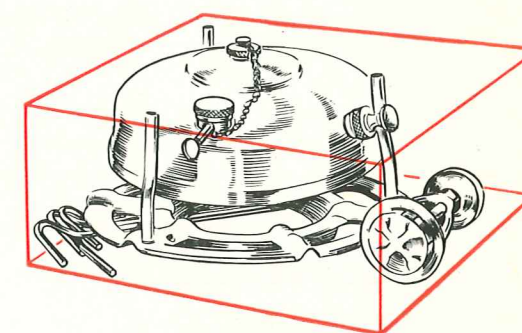
kerosene
paraffin

50 51

- roarer burner
- No. 50 – dull nickered steel-plate tank
- No. 51 – polished brass tank
- collapsible



PRIMUS No. 51



Easy to pack —
easy to carry

Primus No. 51 is a quick boiling, dependable and robust stove, which is easy to dismantle and packs into a very small space. The tank is made of polished brass. By fitting burner hole lid No. 4311, the stove can be used for camping etc. Fuel is then carried in the tank without risk of leakage.

Primus No. 50 is similar to No. 51 but with tank of steel-plate, effectively protected against corrosion and dull nickered.

Each stove is supplied with one packet of cleaning needles.

(These stoves are of same size and design as Primus Nos. 53 and 54 except that they are equipped with roarer burners)

Primus No.	50, 51
Total capacity of tank, pints	1 3/4
Suitable filling (3/4 of total capacity) will last, hours	3 1/2—3 3/4*
Will boil one quart of water in minutes	3—5*
Height, mounted, ins.	8 1/8
Weight, lbs.**	2 3/16

*depending on pressure **excl. cardboard box

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Camper's
Stoves

Blow
Lamps
for
Kerosene

Blow
Lamps
for
Gasoline

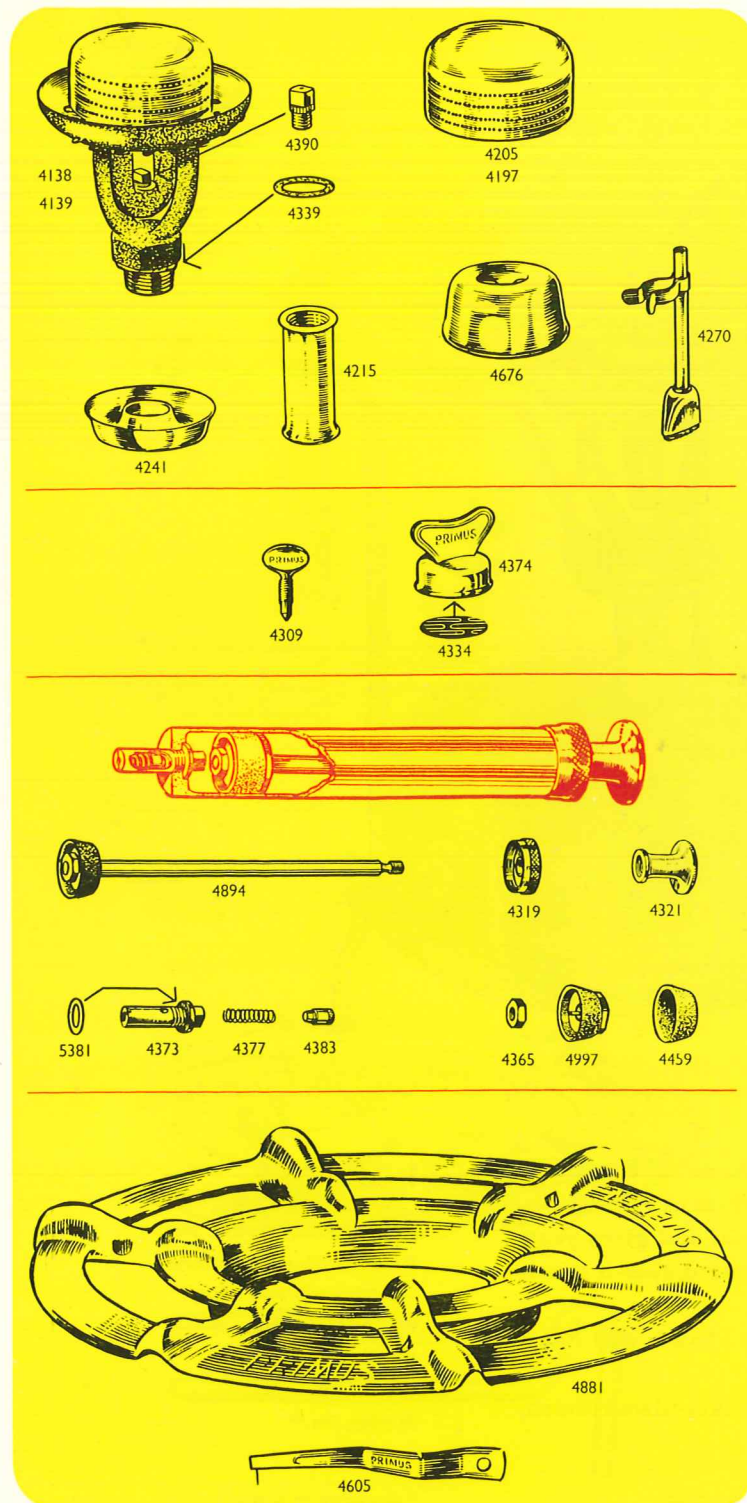
Incandescent
Lanterns

PRIMUS

Regd Trade Mark • Sweden

spare parts

5
5 S:or



Description	Part No.
Burner	4138 *
Nipple	4390
Washer	4339
Inner cap	4676
Outer cap (Primus Metal)	4205 *
Spirit cup	4241
Lighter	4270
Burner connection tube	4215
Tank lid	4374
Washer	4334
Air valve screw	4309
Pump rod complete	4894
Piston complete	4997
Leather	4459
Nut	4365
Pump handle	4321
Pump cap	4319
Pump valve complete	4373
Washer	5381
Spring	4377
Cone with washer	4383
Top ring	4881
Cleaning needle	4605

* A burner No. 4139 with outer cap of brass No. 4197 is also available. The stoves are not equipped, however, with this burner as standard.

PRIMUS

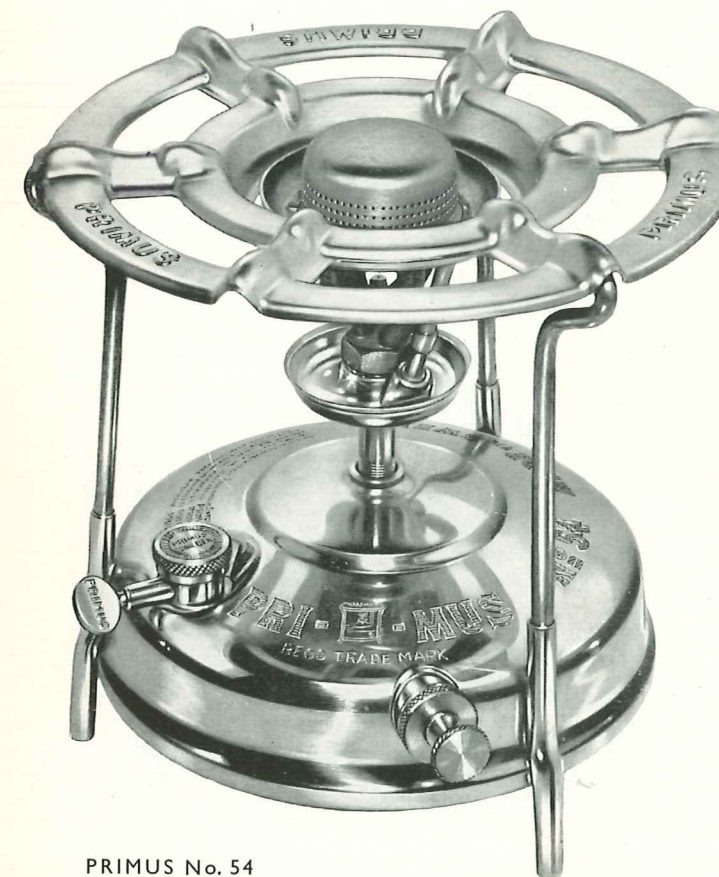
Regd Trade Mark • Sweden

household stoves

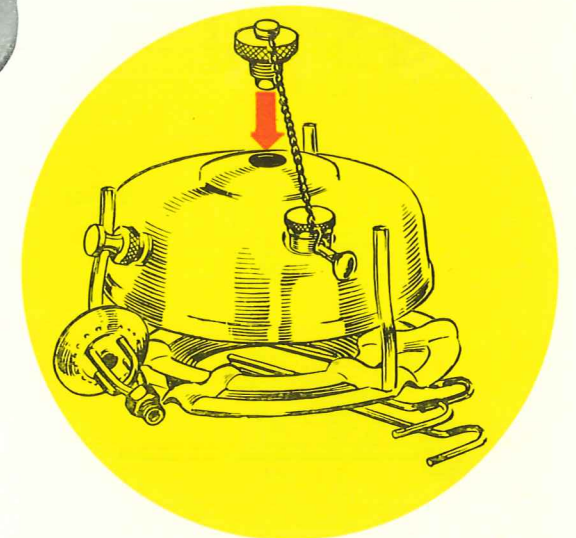
kerosene
paraffin

53
54

- silent burner
- No. 53 – dull nickeled steel-plate tank
- No. 54 – polished brass tank
- collapsible



PRIMUS No. 54



Easy to pack –
takes very little space
Suitable for camping etc.

Primus No. 54 is a very dependable stove, economical in fuel and easy to dismantle for packing. By fitting burner hole lid No. 4311 it lends itself very well to camping etc. Fuel can then be carried in the tank without risk of leakage. Primus No. 53 is similar to No. 54 but has tank of steel-plate, anti-corrosion protected and dull nickeled.

Each stove is supplied with one packet of cleaning needles.

(These stoves are of same size and design as Primus Nos. 50 and 51 except that they are equipped with silent burners)

Primus No.	53, 54
Total capacity of tank, pints	1 3/4
Suitable filling (3/4 of total capacity) will last, hours	3 1/2–3 3/4*
Will boil one quart of water in minutes	3–5*
Height, mounted, ins.	8 1/8
Weight, lbs.**	2 3/8

*depending on pressure **excl. cardboard box

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PRIMUS
REGD TRADE MARK

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PRIMUS

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spare parts

100

kerosene
paraffin

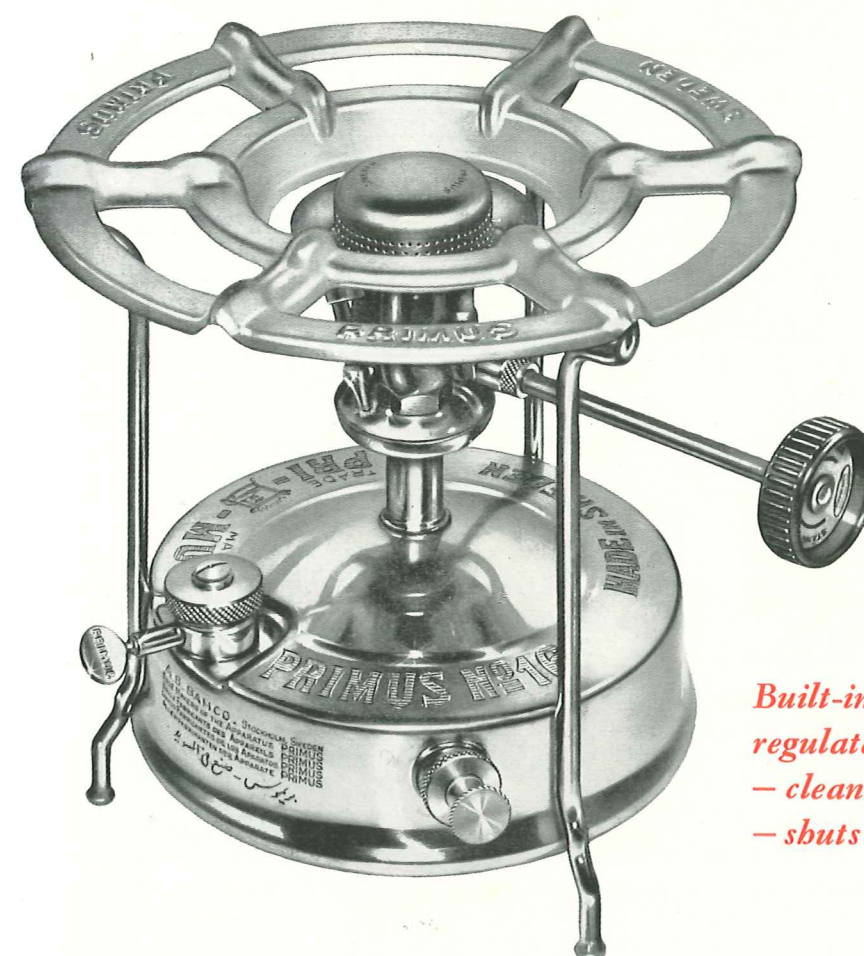
16 16N

household stoves

PRIMUS

Regd Trade Mark • Sweden

- regulating silent burner
- No. 16 – polished brass tank
- No. 16N – nickel-plated brass tank



*Built-in device
regulates flame
— cleans nipple
— shuts off burner*

Primus No. 16 is an efficient and easily managed stove suitable for many household purposes. The burner has a built-in mechanical nipple-cleaning device and shut-off valve which also acts as a flame regulator. Tank lid is fitted with safety valve. Cleaning needles are quickly and easily replaced.

Primus No. 16N is the same stove but with nickel-plated brass tank.

Each stove is supplied with a combined nipple and box key.

Primus No.	16, 16N
Total capacity of tank, pints	2 1/4
Suitable filling (3/4 of total capacity) will last, hours	4 1/2*
Will boil one quart of water in minutes	3-5*
Height, ins.	8 1/2
Weight, lbs.**	3

*depending on pressure **excl. cardboard box

Description	Part No.
Burner head	4003
Burner plate	4004
Silencer	4005
Spirit cup	4235
Lighter	4272
Vaporizing tube	4000
Gauze	4007
Washer f. vaporizing tube	4001
Tank lid	4030
Washer	4337
Burner hole lid	4314
Air valve screw	4309
Pump rod complete	4894
Piston complete	4997
Leather	4459
Nut	4365
Pump handle	4321
Pump cap	4319
Pump valve complete	4373
Washer	5381
Spring	4377
Cone with washer	4383
Top ring	4880
Cleaning needle	4606
Leg	4575

PRIMUS
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Camper's
Stoves

Blow
Lamps
for
Kerosene

Blow
Lamps
for
Gasoline

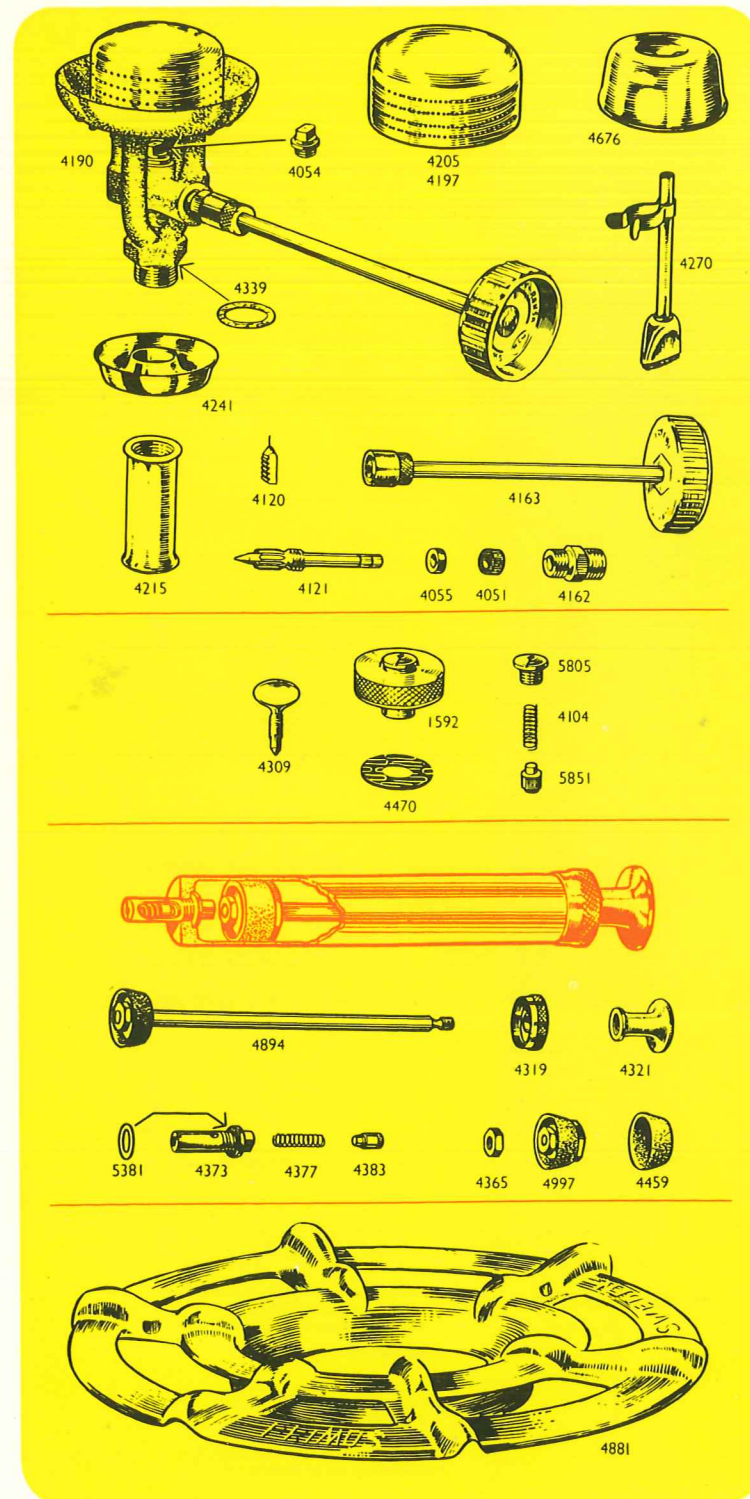
Incandescent
Lanterns

PRIMUS

Regd Trade Mark • Sweden

spare parts

16 16N



Description	16, 16 N Part No.
Burner	4190
Nipple	4054
Washer	4339
Inner cap	4676
Outer cap (Primus Metal)	4205*
Cleaning needle with rack	4120
Valve spindle	4121
Ring for spindle	4055
Washer	4051
Stuffing box screw	4162
Wheel with outer spindle	4163
Spirit cup	4241
Lighter	4270
Burner connection tube	4215
Tank lid	1592
Washer	4470
Nut	5805
Spring	4104
Cone with washer	5851
Air valve screw	4309
Pump rod complete	4894
Piston complete	4997
Leather	4459
Nut	4365
Pump handle	4321
Pump cap	4319
Pump valve complete	4373
Washer	5381
Spring	4377
Cone with washer	4383
Top ring	4881

* An outer cap of brass No. 4197 is also available. The stove is not equipped, however, with this cap as standard.

PRIMUS
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PRIMUS

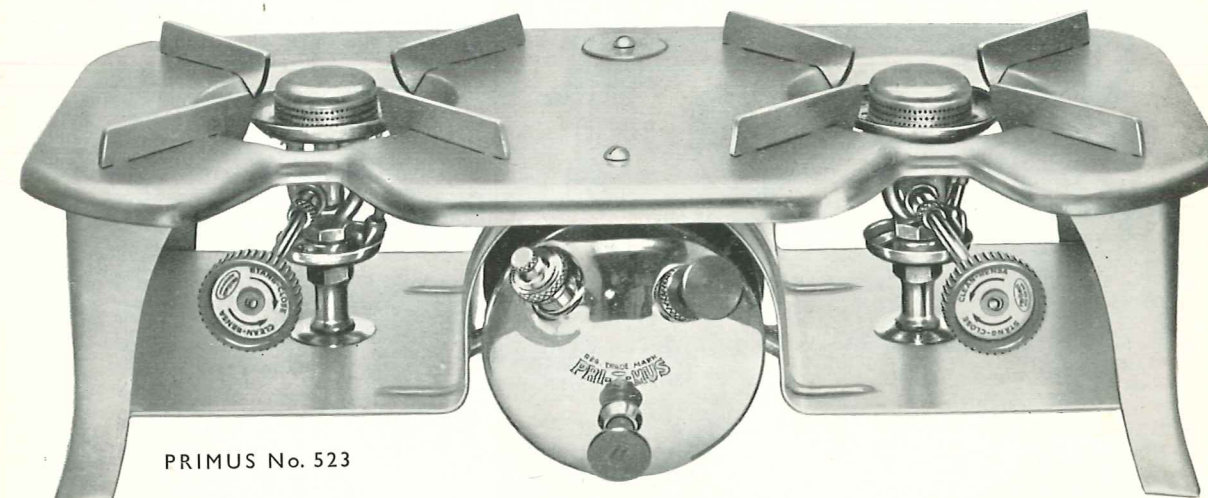
Regd Trade Mark • Sweden

household ranges

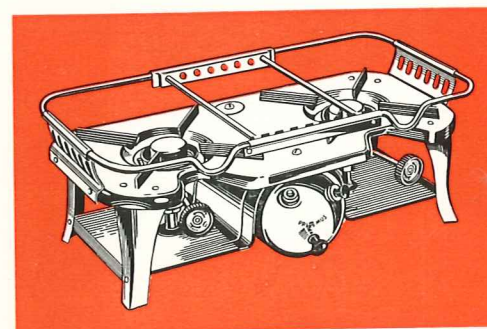
kerosene
paraffin

523 527

- regulating silent burners
- nickel-plated brass tank
- No. 523 – Dull nickel-plated frame
- No. 527 – Hot dipped galvanised frame



PRIMUS No. 523



- built-in nipple cleaning device – regulating and shut-off valve
- smooth finish – simple to clean

Primus No. 527 is the same stove as No. 523 but specially designed for use on yachts and other small vessels. The framework and top rail are hot dipped galvanised as an extra protection against the action of sea water and salt laden air.

Primus No. 523 is fitted with a single fuel tank serving both burners, each of which is fitted with an internal nipple cleaning device and a regulating and shut-off valve – all operated by the one knob. An extra, fixed handle is provided on the tank to help steady the range when pumping. An anodised aluminium plate is fitted over the tank and under the burners to act as a heat deflector and to catch boiled-over liquids, etc. The framework is sturdily constructed and its smooth finish ensures easy cleaning.

Each range is supplied with filter funnel, safety spirit can and combined nipple and box key.

Primus No.	523	527
Total capacity of tank, pints	4	4
Suitable filling (3/4 of total capacity) will last – with both burners on – hours	4*	4*
Will boil one quart of water in minutes	3–5*	3–5*
Length and width, ins.	19 1/4 x 9 1/2	20 1/2 x 10 1/2
Height, ins.	6	7
Weight, lbs.**	8	12

*depending on pressure **excl. cardboard box

PRIMUS
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Camper's
Stoves

Blow
Lamps
for
Kerosene

Blow
Lamps
for
Gasoline

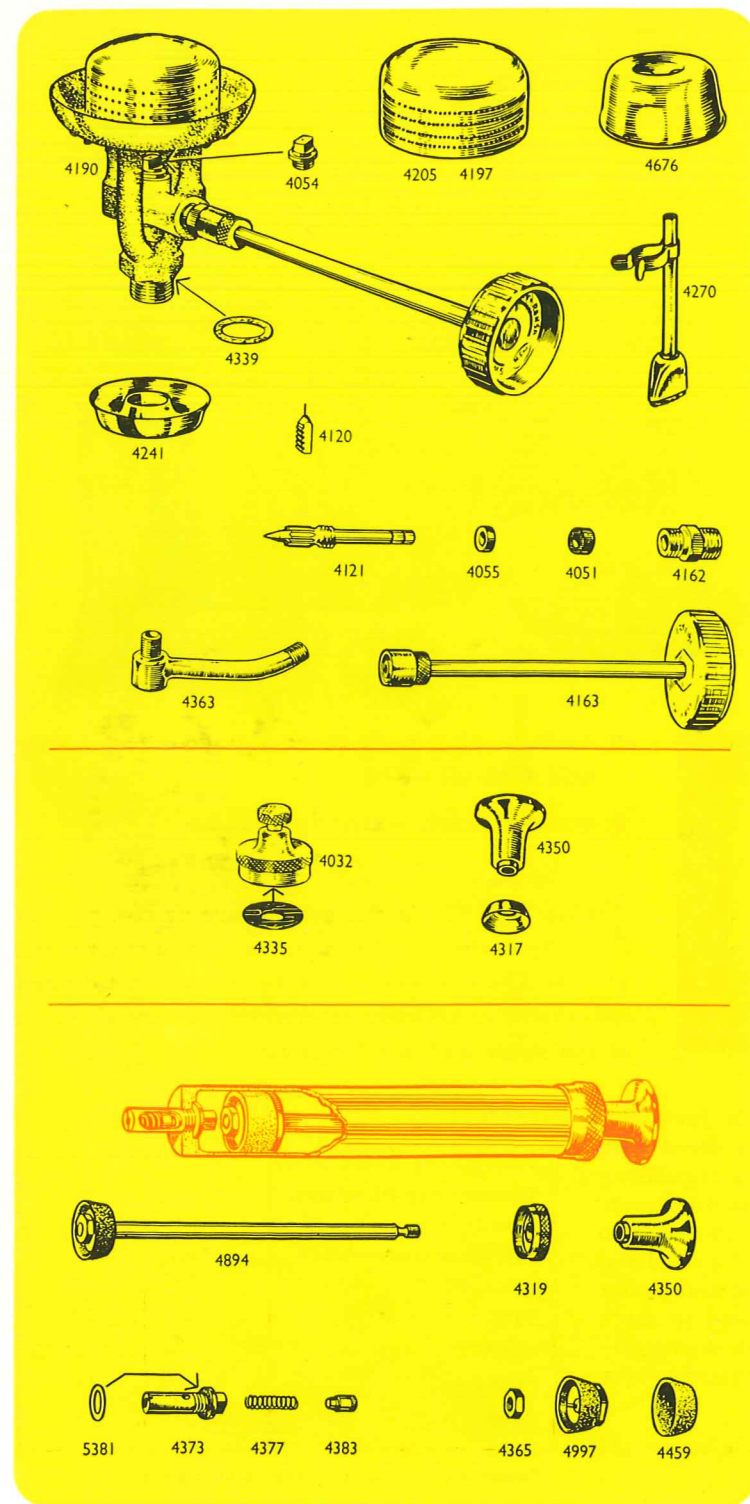
Incandescent
Lanterns

PRIMUS

Regd Trade Mark • Sweden

spare parts

523
527



Description	Part No.
Burner	4190
Nipple	4054
Washer	4339
Inner cap	4676
Outer cap (Primus Metal)	4205*
Cleaning needle with rack	4120
Valve spindle	4121
Ring for spindle	4055
Washer	4051
Stuffing box screw	4162
Wheel with outer spindle	4163
Spirit cup	4241
Lighter	4270
Supply tube	4363
Tank lid	4032
Washer	4335
Handle	4350
Ring for handle	4317
Pump rod complete	4894
Piston complete	4997
Leather	4459
Nut	4365
Pump handle	4350
Pump cap	4319
Pump valve complete	4373
Washer	5381
Spring	4377
Cone with washer	4383

* An outer cap of brass No. 4197 is also available. The range is not equipped, however, with this cap as standard.

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PRIMUS

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household ranges

kerosene
paraffin

535

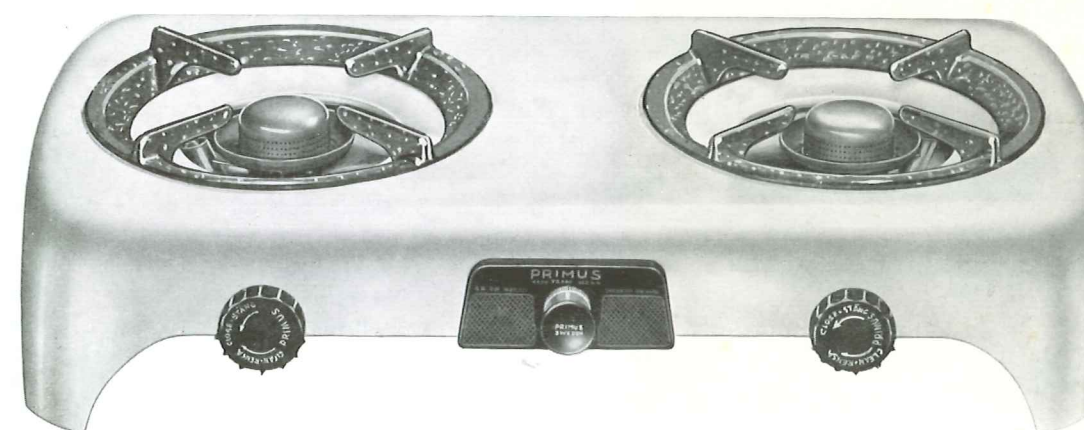
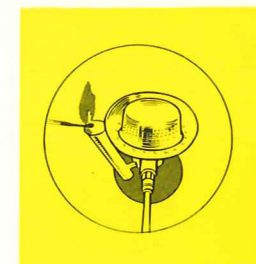
- regulating silent burner
- white enamelled frame
- easy to keep clean

For the modern kitchen

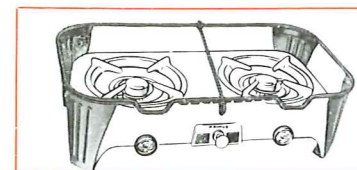
The cast iron top rings are enamelled — easily lifted off for cleaning.



Preheating spirit quickly filled and lit at tube leading down to cup.



PRIMUS 535 has two powerful burners set by handwheels which also clean the nipples. The frame is white enamelled and fitted with large-capacity spill cups around the burners. Straight forward design and uncluttered surfaces make the range easy to clean. The well-insulated brass tank is concealed underneath at the back. If it should happen that a burner has to be removed for overhaul, the range can be used in the meantime if sealing cap No. 4389 is screwed on over the hole.



Primus No. 535 for yachting is fitted with top rail No. 1135. The rail is galvanized and provided with an adjusting bar to keep utensils steady even in the roughest seas. Available as extra.

The range comes with strainer funnel, safety can, wrench and sealing cap.

PRIMUS
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Primus No.	535
Total capacity of tank, pints	37/8
Suitable filling (3/4 of total capacity) will last — with both burners on — hours	4*
Will boil one quart of water in minutes	3—5*
Total length and width, ins.	20 1/2 x 12 3/8
Height, ins.	5 1/8
Weight, lbs.**	10 3/4

* depending on pressure
** excl. cardboard box

Camper's
Stoves

Blow
Lamps
for
Kerosene

Blow
Lamps
for
Gasoline

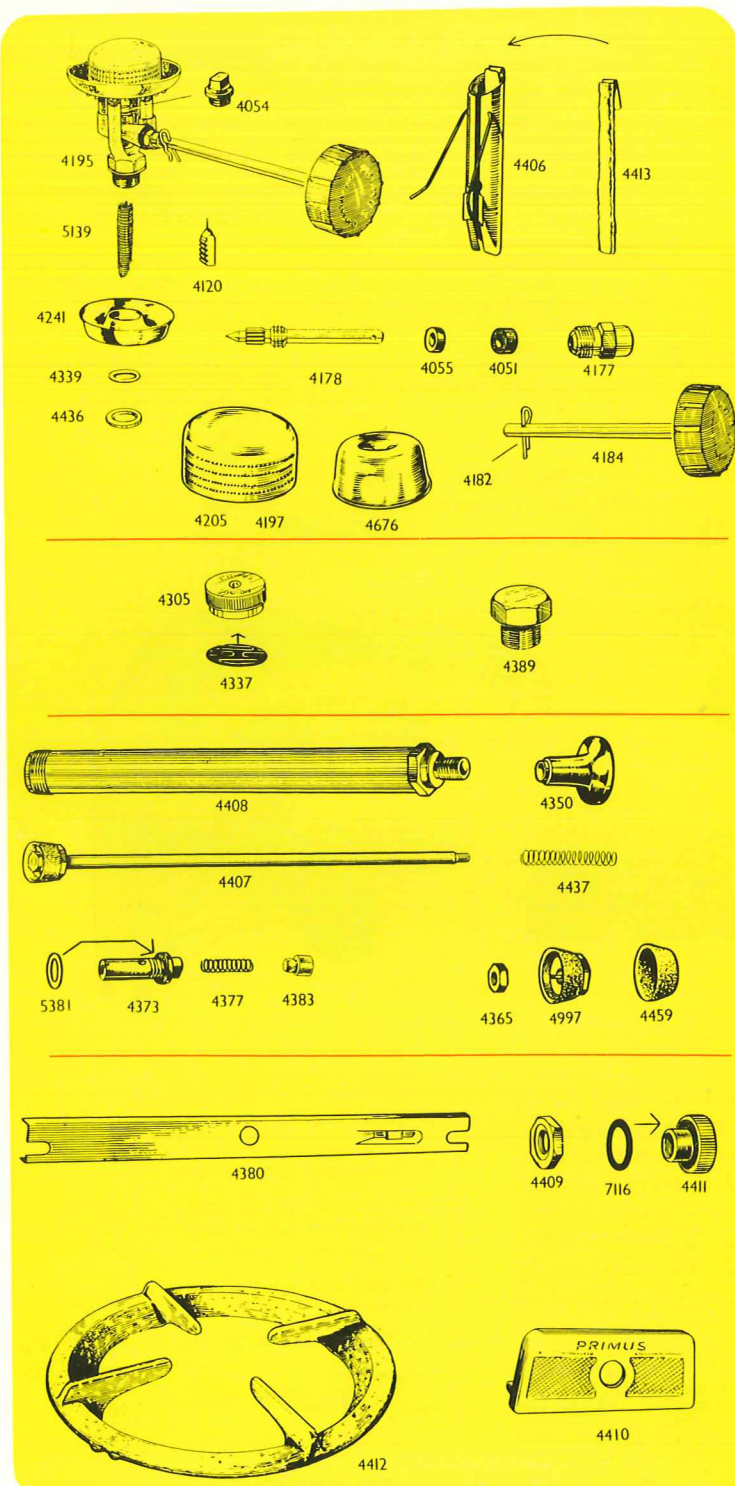
Incandescent
Lanterns

PRIMUS

Regd Trade Mark • Sweden

spare parts

535



Description	Part No.
Burner complete	4195
Burner without outer spindle	4193
Nipple	4054
Washer	4339
Inner cap	4676
Outer cap	4205*
Cleaning needle with rack	4120
Valve spindle	4178
Ring for spindle	4055
Washer	4051
Stuffing box screw	4177
Washer	4436
Wheel with outer spindle	4184
Pin	4182
Spirit cup	4241
Lighter	4406
Wick with holder	4413
Gauze	5139
Tank lid	4305
Washer	4337
Burner hole lid	4389
Pump tube	4408
Pump rod complete	4407
Piston complete	4997
Leather	4459
Nut	4365
Spring for pump rod	4437
Pump handle	4350
Pump valve complete	4373
Washer	5381
Spring	4377
Rubber cone	4383
Supporting bar	4380
Nut for support bar	4409
Front plate	4411
Lock nut	4411
Washer	7116
Top ring	4412

* An outer cap of brass No. 4197 is also available. The range is not equipped, however, with this cap as standard.

Camper's Stoves

PRIMUS
REGD TRADE MARK

AB BAHCO • P. O. BOX 245 • STOCKHOLM • SWEDEN

Printed in Sweden. No. 519 Eng 5909

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Stoves

Blow
Lamps
for
Kerosene

Blow
Lamps
for
Gasoline

Incandescent
Lanterns