The Lucas proportionating and monitoring unit for haemodialysis in use with a disposable dialyser (at side) by a patient in her own home.

The unit continuously produces dialysate from concentrate and mains water; it also monitors dialysate conductivity and temperature, dialysate and venous pressure, and the presence of blood in the dialysate effluent, during the dialysis. Full fail safe interlocking prevents continuation of the dialysis if any of the parameters pass outside predetermined limits, and audible and visible alarms indicate this situation. Blood and heparin pumps are normally incorporated, but can be omitted to customers' specification.

The machine may be used with a Kiil dialyser and with most types of disposable dialyser.

The theme of the design is simplicity, reliability, and flexibility.

The unit is compact, easily moved and simple to understand and use.

In use, a normal domestic power supply, a cold water tap and a drain are required. The equipment is sterilized with a suitable cold chemical agent.

Several hundreds of units are now in use in the U.K., France, Germany, Italy, Portugal and other European countries as well as several other countries throughout the world.

Further details may be obtained from:

Medical Equipment Group,
G. & E. Bradley Limited,
Electral House,
Neasden Lane,
LONDON, N.W.10

A subsidiary of the Joseph Lucas Group of Industries.